



NASA SP-7039(28)
Section 2
Indexes

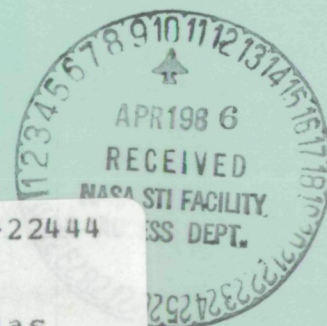
NASA

PATENT ABSTRACTS BIBLIOGRAPHY

A CONTINUING BIBLIOGRAPHY

Section 2 • Indexes

JANUARY 1986



{NASA-SP-7039 (28)} NASA PATENT ABSTRACTS
BIBLIOGRAPHY: A CONTINUING BIBLIOGRAPHY.
SECTION 2: INDEXES (SUPPLEMENT 28)
{National Aeronautics and Space
Administration} 478 p HC A21

N86-22444

Unclas

CSCL 05B 00/82 04137

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

ACCESSION NUMBER RANGES

<i>Bibliography Number</i>	<i>STAR Accession Numbers</i>
NASA SP-7039(04) SEC 1	N69-20701 – N73-33931
NASA SP-7039(12) SEC 1	N74-10001 – N77-34042
NASA SP-7039(13) SEC 1	N78-10001 – N78-22018
NASA SP-7039(14) SEC 1	N78-22019 – N78-34034
NASA SP-7039(15) SEC 1	N79-10001 – N79-21993
NASA SP-7039(16) SEC 1	N79-21994 – N79-34158
NASA SP-7039(17) SEC 1	N80-10001 – N80-22254
NASA SP-7039(18) SEC 1	N80-22255 – N80-34339
NASA SP-7039(19) SEC 1	N81-10001 – N81-21997
NASA SP-7039(20) SEC 1	N81-21998 – N81-34139
NASA SP-7039(21) SEC 1	N82-10001 – N82-22140
NASA SP-7039(22) SEC 1	N82-22141 – N82-34341
NASA SP-7039(23) SEC 1	N83-10001 – N83-23266
NASA SP-7039(24) SEC 1	N83-23267 – N83-37053
NASA SP-7039(25) SEC 1	N84-10001 – N84-22526
NASA SP-7039(26) SEC 1	N84-22527 – N84-35284
NASA SP-7039(27) SEC 1	N85-10001 – N85-22341
NASA SP-7039(28) SEC 1	N85-22342 – N85-36162

This bibliography was prepared by the NASA Scientific and Technical Information Facility operated for the National Aeronautics and Space Administration by RMS Associates.

NASA

**PATENT
ABSTRACTS
BIBLIOGRAPHY**

A CONTINUING BIBLIOGRAPHY

Section 2 • Indexes

Indexes for the annotated references to NASA-owned inventions covered by U.S. patents and applications for patent that were announced in *Scientific and Technical Aerospace Reports (STAR)* between May 1969 and December 1985. This issue supersedes all previous Index Sections.



This supplement is available as NASA SP-7039(28) SEC 2 from the National Technical Information Service (NTIS), Springfield, Virginia 22161. For information regarding the purchase price (which is subject to change), please write or call NTIS at (703) 487-4650.

INTRODUCTION

Several thousand inventions result each year from the aeronautical and space research supported by the National Aeronautics and Space Administration. The inventions having important use in government programs or significant commercial potential are usually patented by NASA. These inventions cover practically all fields of technology and include many that have useful and valuable commercial application.

NASA inventions best serve the interests of the United States when their benefits are available to the public. In many instances, the granting of nonexclusive or exclusive licenses for the practice of these inventions may assist in the accomplishment of this objective. This bibliography is published as a service to companies, firms, and individuals seeking new, licensable products for the commercial market.

The *NASA Patent Abstracts Bibliography (NASA PAB)* is a semiannual NASA publication containing comprehensive abstracts and indexes of NASA-owned inventions covered by U.S. patents and applications for patent. The citations included in *NASA PAB* were originally published in NASA's *Scientific and Technical Aerospace Reports (STAR)* and cover *STAR* announcements made since May 1969.

For the convenience of the user, each issue of *NASA PAB* has a separately bound Abstract Section (Section 1) and Index Section (Section 2). Although each Abstract Section covers only the indicated six-month period, the Index Section is cumulative covering all NASA-owned inventions announced in *STAR* since 1969. Thus a complete set of *NASA PAB* would consist of the Abstract Sections of Issue 04 (January 1974) and Issue 12 (January 1978) and the Abstract Section for all subsequent issues and the Index Section for the most recent issue.

The 109 citations published in this issue of the Abstract Section cover the period July 1985 through December 1985. The Index Section references over 4800 citations covering the period May 1969 through December 1985.

ABSTRACT SECTION (SECTION 1)

This *PAB* issue incorporates the 1975 *STAR* category revisions which include 10 major subdivisions divided into 74 specific categories and one general category/division. (See Table of Contents for the scope note of each category under which are grouped appropriate NASA inventions.) This new scheme was devised in lieu of the 34 category divisions which were utilized in *PAB* supplements (01) through (06) covering *STAR* abstracts from May 1969 through January 1974. Each entry in the Abstract Section consists of a *STAR* citation accompanied by an abstract and a key illustration taken from the patent or application for patent drawing. Entries are arranged in subject category in order of the ascending NASA Accession Number originally assigned in *STAR* to the invention. The range of NASA Accession Numbers within each issue is printed on the inside front cover.

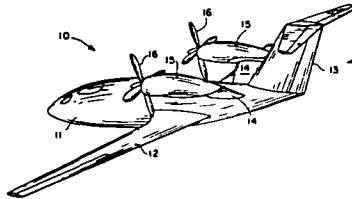
Abstract Citation Data Elements: Each of the abstract citations has several data elements useful for identification and indexing purposes, as follows:

- NASA Accession Number
- NASA Case Number
- Inventor's Name
- Title of Invention
- U.S. Patent Application Serial Number
- U.S. Patent Number (for issued patents only)
- U.S. Patent Office Classification Number(s)
(for issued patents only)

These data elements in the citation of the abstract are depicted in the Typical Citation and Abstract reproduced on the following page and are also used in the indexes.

TYPICAL CITATION AND ABSTRACT

NASA SPONSORED DOCUMENT → **N85-19980*#** National Aeronautics and Space Administration.
NASA ACCESSION NUMBER → Langley Research Center, Hampton, Va. ← **SOURCE**
TITLE → **OVER THE WING PROPELLER Patent Application**
INVENTORS → J L. JOHNSON, JR. and E. R. WHITE, inventors (to NASA)
 (Kentron International, Inc., Hampton, Va.) 16 Oct. 1984 12 p
NASA CASE NUMBER → (NASA-CASE-LAR-13134-1; NAS 1.71.LAR-13134-1, US-PATENT-APPL-SN-661478) ← **US PATENT APPLICATIONS SERIAL NUMBER**
ABSTRACT → CSCL 01C ← **AVAILABILITY**
 An aircraft system for increasing the lift drag ratio over a broad range of operating conditions is described. The system positions the engines and nacelles over the wing in such a position that gains in propeller efficiency is achieved simultaneously with increases in wing lift and a reduction in wing drag. Adverse structural and torsional effects on the wings are avoided by fuselage mounted pylons which attach to the upper portion of the fuselage aft of the wings. Similarly, pylon wing interference is eliminated by moving the pylons to the fuselage. Further gains are achieved by locating the pylon surface area aft of the aircraft center of gravity, thereby augmenting both directional and longitudinal stability. This augmentation has the further effect of reducing the size, weight and drag of empennage components. The combination of design changes results in improved cruise performance and increased climb performance while reducing fuel consumption and drag and weight penalties. NASA
COSATI CODE



KEY ILLUSTRATION

INDEX SECTION (SECTION 2)

The Index Section is divided into five indexes which are cross-indexed and are useful in locating a single invention or groups of inventions.

Each of the five indexes utilizes basic data elements: (1) Subject Category Number, (2) NASA Accession Number, and (3) NASA Case Number, in addition to other specific index terms.

Subject Index: Lists all inventions according to appropriate alphabetized technical term and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Inventor Index: Lists all inventions according to alphabetized names of inventors and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Source Index: Lists all inventions according to alphabetized source of invention (i.e., name of contractor or government installation where invention was made) and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Number Index: Lists inventions in order of ascending (1) NASA Case Number, (2) U.S. Patent Application Serial Number, (3) U.S. Patent Classification Number, and (4) U.S. Patent Number and indicates the related Subject Category Number and the NASA Accession Number.

Accession Number Index: Lists all inventions in order of ascending NASA Accession Number and indicates the related Subject Category Number, the NASA Case Number, the U.S. Patent Application Serial Number, the U.S. Patent Classification Number, and the U.S. Patent Number

HOW TO USE THIS PUBLICATION TO IDENTIFY NASA INVENTIONS

To identify one or more NASA inventions within a specific technical field or subject, several techniques are possible when using the flexibility incorporated into the *NASA PAB*.

(1) *Using Subject Category:* To identify all NASA inventions in any one of the subject categories in this issue of *NASA PAB*, select the desired Subject Category in the Abstract Section (Section 1) and find the inventions abstracted thereunder.

(2) *Using Subject Index:* To identify all NASA inventions listed under a desired technical subject index term, (A) turn to the cumulative Subject Index in the Index Section and find the invention(s) listed under the desired technical subject term. (B) Note the indicated Accession Number and the Subject Category Number. (C) Using the indicated Accession Number, turn to the inside front cover of the Index Section to determine which issue of the Abstract Section includes the Accession Number desired. (D) To find the abstract of the particular invention in the issue of the Abstract Section selected, (i) use the Subject Category Number to locate the Subject Category and (ii) use the Accession Number to locate the desired invention within the Subject Category listing.

(3) *Using Patent Classification Index:* To identify all inventions covered by issued NASA patents (does not include applications for patent) within a desired Patent Classification, (A) turn to the Patent Classification Number in the Number Index of Section 2 and find the associated invention(s), and (B) follow the instructions outlined in (2)(B), and (D) above.

PUBLIC AVAILABILITY OF COPIES OF PATENTS AND PATENT APPLICATIONS

Copies of U.S. patents may be purchased directly from the U.S. Patent and Trademark Office, Washington, D.C. 20231. When ordering patents, the U.S. Patent Number should be used, and payment must be remitted in advance, preferably by money order or check payable to the Commissioner of Patents and Trademarks. Prepaid purchase coupons for ordering are also available from the Patent and Trademark Office.

NASA *patent application specifications* are sold in paper copy by the National Technical Information Service at price code A02. Microfiche are sold at price code A01. The US-Patent-AppI-SN-number should be used in ordering either paper copy or microfiche from NTIS.

LICENSES FOR COMMERCIAL USE: INQUIRIES AND APPLICATIONS FOR LICENSE

NASA inventions, abstracted in *NASA PAB*, are available for nonexclusive or exclusive licensing in accordance with the NASA Patent Licensing Regulations. It is significant that all licenses for NASA inventions shall be by express written instruments and that no license will be granted or implied in a NASA invention except as provided in the NASA Patent Licensing Regulations.

Inquiries concerning the NASA Patent Licensing Program or the availability of licenses for the commercial use of NASA-owned inventions covered by U.S. patents or pending applications for patent should be forwarded to the NASA Patent Counsel of the NASA installation having cognizance of the specific invention, or the Assistant General Counsel for Patent Matters, Code GP, National Aeronautics and Space Administration, Washington, D.C. 20546. Inquiries should refer to the NASA Case Number, the Title of the Invention, and the U.S. Patent Number or the U.S. Application Serial Number assigned to the invention as shown in *NASA PAB*.

The NASA Patent Counsel having cognizance of the invention is determined by the first three letters or prefix of the NASA Case Number assigned to the invention. The addresses of NASA Patent Counsels are listed alongside the NASA Case Number prefix letters in the following table.

**NASA Case
Number
Prefix Letters**

**Address of Cognizant
NASA Patent Counsel**

ARC-xxxxx
XAR-xxxxx

Ames Research Center
Mail Code: 200-11A
Moffett Field, California 94035
Telephone: (415) 965-5104

ERC-xxxxx
XER-xxxxx
HQN-xxxxx
XHQ-xxxxx

NASA Headquarters
Mail Code GP-4
Washington, D.C. 20546
Telephone: (202) 755-3954

GSC-xxxxx
XGS-xxxxx

Goddard Space Flight Center
Mail Code: 204
Greenbelt, Maryland 20771
Telephone: (301) 344-7351

KSC-xxxxx
XKS-xxxxx

John F. Kennedy Space Center
Mail Code: PT-PAT
Kennedy Space Center, Florida 32899
Telephone: (305) 867-2544

LAR-xxxxx
XLA-xxxxx

Langley Research Center
Mail Code: 279
Hampton, Virginia 23365
Telephone: (804) 827-8725

LEW-xxxxx
XLE-xxxxx

Lewis Research Center
Mail Code: 500-318
21000 Brookpark Road
Cleveland, Ohio 44135
Telephone: (216) 433-6346

MSC-xxxxx
XMS-xxxxx

Lyndon B. Johnson Space Center
Mail Code: AL3
Houston, Texas 77058
Telephone: (713) 483-4871

MFS-xxxxx
XMF-xxxxx

George C Marshall Space Flight Center
Mail Code: CC01
Huntsville, Alabama 35812
Telephone: (205) 453-0020

NPO-xxxxx
XNP-xxxxx
FRC-xxxxx
XFR-xxxxx
WOO-xxxxx

NASA Resident Legal Office
Mail Code: 180-801
4800 Oak Grove Drive
Pasadena, California 91103
Telephone: (213)354-2700

PUBLIC COLLECTIONS OF NASA DOCUMENTS

DOMESTIC: NASA and NASA-sponsored documents and a large number of aerospace publications are available to the public for reference purposes at the library maintained by the American Institute of Aeronautics and Astronautics, Technical Information Service, 555 West 57th Street, 12th Floor, New York, New York 10019.

EUROPEAN: An extensive collection of NASA and NASA-sponsored publications is maintained by the British Library Lending Division, Boston Spa, Wetherby, Yorkshire, England for public access. The British Library Lending Division also has available many of the non-NASA publications cited in *STAR*. European requesters may purchase facsimile copy or microfiche of NASA and NASA-sponsored documents, those identified by both the symbols # and * from ESA — Information Retrieval Service European Space Agency, 8-10 rue Mario-Nikis, 75738 CEDEX 15, France.

FEDERAL DEPOSITORY LIBRARY PROGRAM

In order to provide the general public with greater access to U.S. Government publications, Congress established the Federal Depository Library Program under the Government Printing Office (GPO), with 50 regional depositories responsible for permanent retention of material, inter-library loan, and reference services. Over 1,300 other depositories also exists. A list of the regional GPO libraries appears on the inside back cover.

PATENT LICENSING REGULATIONS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

14 CFR Part 1245

Licensing of NASA Inventions

AGENCY: National Aeronautics and Space Administration.

ACTION: Interim regulation with comments requested.

SUMMARY: The National Aeronautics and Space Administration (NASA) is revising its patent licensing regulations to conform with Pub. L. 96-517. This interim regulation provides policies and procedures applicable to the licensing of federally owned inventions in the custody of the National Aeronautics and Space Administration, and implements Pub. L. 96-517. The object of this subpart is to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

EFFECTIVE DATE: July 1, 1981. Comments must be received in writing by December 2, 1981. Unless a notice is published in the *Federal Register* after the comment period indicating changes to be made, this interim regulation shall become a final regulation.

ADDRESS: Mr. John G. Mannix, Director of Patent Licensing, GP-4, NASA, Washington, D.C. 20546.

FOR FURTHER INFORMATION CONTACT: Mr. John G. Mannix, (202) 755-3954

SUPPLEMENTARY INFORMATION:

PART 1245—PATENTS AND OTHER INTELLECTUAL PROPERTY RIGHTS

Subpart 2 of Part 1245 is revised to read as follows:

Subpart 2—Licensing of NASA Inventions

Sec.	
1245.200	Scope of subpart
1245.201	Policy and objective
1245.202	Definitions
1245.203	Authority to grant licenses

Restrictions and Conditions

1245.204	All licenses granted under this subpart
----------	---

Types of Licenses

1245.205	Nonexclusive licenses
1245.206	Exclusive and partially exclusive licenses

Procedures

1245.207	Application for a license
1245.208	Processing applications
1245.209	Notice to Attorney General
1245.210	Modification and termination of licenses
1245.211	Appeals
1245.212	Protection and administration of inventions

1245.213	Transfer of custody
1245.214	Confidentiality of information

Authority: 35 U.S.C. Section 207 and 208, 94 Stat. 3023 and 3024.

Subpart 2—Licensing of NASA Inventions

§ 1245.200 Scope of subpart.

This subpart prescribes the terms, conditions, and procedures upon which a NASA invention may be licensed. It does not affect licenses which (a) were in effect prior to July 1, 1981; (b) may exist at the time of the Government's acquisition of title to the invention, including those resulting from the allocation of rights to inventions made under Government research and development contracts; (c) are the result of an authorized exchange of rights in the settlement of patent disputes; or (d) are otherwise authorized by law or treaty.

§ 1245.201 Policy and objective.

It is the policy and objective of this subpart to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

§ 1245.202 Definitions.

(a) "Federally owned invention" means an invention, plant, or design which is covered by a patent, or patent application in the United States, or a patent, patent application, plant variety protection, or other form of protection, in a foreign country, title to which has been assigned to or otherwise vested in the United States Government.

(b) "Federal agency" means an executive department, military department, Government corporation, or independent establishment, except the Tennessee Valley Authority, which has custody of a Federally owned invention.

(c) "NASA invention" means a Federally owned invention with respect to which NASA maintains custody and administration, in whole or in part, of the right title or interest in such invention on behalf of the United States Government.

(d) "Small business firm" means a small business concern as defined at section 2 of Pub. L. 85-536 (15 U.S.C. 632) and implementing regulations of the Administrator of the Small Business Administration. For the purpose of these regulations, the size standard for small business concerns involved in Government procurement, contained in 13 CFR 121.3-8, and in subcontracting, contained in 13 CFR 121.3-12, will be used.

(e) "Practical application" means to manufacture in the case of a composition or product, to practice in the case of a process or method, or to

operate in the case of a machine or system; and, in each case, under such conditions as to establish that the invention is being utilized and that its benefits are to the extent permitted by law or Government regulations available to the public on reasonable terms.

(f) "United States" means the United States of America, its territories and possessions, the District of Columbia, and the Commonwealth of Puerto Rico.

§ 1245.203 Authority to grant licenses.

NASA inventions shall be made available for licensing as deemed appropriate in the public interest. NASA may grant nonexclusive, partially exclusive, or exclusive licenses thereto under this subpart on inventions in its custody.

Restrictions and Conditions

§ 1245.204 All licenses granted under this subpart.

(a) *Restrictions.* (1) A license may be granted only if the applicant has supplied NASA with a satisfactory plan for development or marketing of the invention, or both, and with information about the applicant's capability to fulfill the plan.

(2) A license granting rights to use or sell under a NASA invention in the United States shall normally be granted only to a licensee who agrees that any products embodying the invention or produced through the use of the invention will be manufactured substantially in the United States.

(b) *Conditions.* Licenses shall contain such terms and conditions as NASA determines are appropriate for the protection of the interests of the Federal Government and the public and are not in conflict with law or this subpart. The following terms and conditions apply to any license:

(1) The duration of the license shall be for a period specified in the license agreement, unless sooner terminated in accordance with this subpart.

(2) The license may be granted for all or less than all fields of use of the invention or in specified geographical areas, or both.

(3) The license may extend to subsidiaries of the licensee or other parties if provided for in the license but shall be nonassignable without approval of NASA, except to the successor of that part of the licensee's business to which the invention pertains.

(4) The license may provide the licensee the right to grant sublicenses under the license, subject to the approval of NASA. Each sublicense shall make reference to the license, including the rights retained by the Government, and a copy of such

sublicense shall be furnished to NASA.

(5) The license shall require the licensee to carry out the plan for development or marketing of the invention, or both, to bring the invention to practical application within a period specified in the license, and to continue to make the benefits of the invention reasonably accessible to the public.

(6) The license shall require the licensee to report periodically on the utilization or efforts at obtaining utilization that are being made by the licensee, with particular reference to the plan submitted.

(7) All licenses shall normally require royalties or other consideration.

(8) Where an agreement is obtained pursuant to § 1245.204(a)(2) that any products embodying the invention or produced through use of the invention will be manufactured substantially in the United States, the license shall recite such agreement.

(9) The license shall provide for the right of NASA to terminate the license, in whole or in part, if:

(i) NASA determines that the licensee is not executing the plan submitted with its request for a license and the licensee cannot otherwise demonstrate to the satisfaction of NASA that it has taken or can be expected to take within a reasonable time effective steps to achieve practical application of the invention;

(ii) NASA determines that such action is necessary to meet requirements for public use specified by Federal regulations issued after the date of the license and such requirements are not reasonably satisfied by the licensee;

(iii) The licensee has willfully made a false statement of or willfully omitted a material fact in the license application or in any report required by the license agreement; or

(iv) The licensee commits a substantial breach of a covenant or agreement contained in the license.

(10) The license may be modified or terminated, consistent with this subpart, upon mutual agreement of NASA and the licensee.

(11) Nothing relating to the grant of a license, nor the grant itself, shall be construed to confer upon any person any immunity from or defenses under the antitrust laws or from a charge of patent misuse, and the acquisition and use of rights pursuant to this subpart shall not be immunized from the operation of state or Federal law by reason of the source of the grant.

Types of Licenses

§ 1245.205 Nonexclusive licenses.

(a) *Availability of licenses.* Nonexclusive licenses may be granted under NASA inventions without publication of availability or notice of a prospective license.

(b) *Conditions.* In addition to the provisions of § 1245.204, the nonexclusive license may also provide that, after termination of a period specified in the license agreement, NASA may restrict the license to the fields of use or geographic areas, or both, in which the licensee has brought the invention to practical application and continues to make the benefits of the invention reasonably accessible to the public. However, such restriction shall be made only in order to grant an exclusive or partially exclusive license in accordance with this subpart.

§ 1245.206 Exclusive and partially exclusive licenses.

(a) Domestic licenses.

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on NASA inventions: (i) 3 months after notice of the invention's availability has been announced in the Federal Register; or (ii) without such notice where NASA determines that expeditious granting of such a license will best serve the interests of the Federal Government and the public; and (iii) in either situation, specified in (a)(1)(i) or (ii) of this section only if:

(A) Notice of a prospective license, identifying the invention and the prospective licensee, has been published in the Federal Register, providing opportunity for filing written objections within a 60-day period;

(B) After expiration of the period in § 1245.206(a) (1)(iii)(A) and consideration of any written objections received during the period, NASA has determined that:

(1) The interests of the Federal Government and the public will best be served by the proposed license, in view of the applicant's intentions, plans, and ability to bring the invention to practical application or otherwise promote the invention's utilization by the public;

(2) The desired practical application has not been achieved, or is not likely expeditiously to be achieved, under any nonexclusive license which has been granted, or which may be granted, on the invention;

(3) Exclusive or partially exclusive licensing is a reasonable and necessary incentive to call forth the investment of risk capital and expenditures to bring the invention to practical application or

otherwise promote the invention's utilization by the public; and

(4) The proposed terms and scope of exclusivity are not greater than reasonably necessary to provide the incentive for bringing the invention to practical application or otherwise promote the invention's utilization by the public;

(C) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the country in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with the antitrust laws; and

(D) NASA has given first preference to any small business firms submitting plans that are determined by the agency to be within the capabilities of the firms and as equally likely, if executed, to bring the invention to practical application as any plans submitted by applicants that are not small business firms.

(2) *Conditions.* In addition to the provisions of § 1245.204, the following terms and conditions apply to domestic exclusive and partially exclusive licenses:

(i) The license shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall reserve to NASA the right to require the licensee to grant sublicenses to responsible applicants, on reasonable terms, when necessary to fulfill health or safety needs.

(iii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iv) The license may grant the licensee the right of enforcement of the licensed patent pursuant to the provisions of Chapter 29 of Title 35, United States Code, or other statutes, as determined appropriate in the public interest.

(b) Foreign licenses.

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on a NASA invention covered by a foreign patent, patent application, or other form of protection, provided that:

(i) Notice of a prospective license, identifying the invention and prospective licensee, has been published in the Federal Register, providing opportunity for filing written objections

PATENT LICENSING REGULATIONS

within a 60-day period and following consideration of such objections;

(ii) NASA has considered whether the interests of the Federal Government or United States industry in foreign commerce will be enhanced; and

(iii) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the United States in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with antitrust laws.

(2) *Conditions.* In addition to the provisions of § 1245.204, the following terms and conditions apply to foreign exclusive and partially exclusive licenses:

(i) The license shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iii) The license may grant the licensee the right to take any suitable and necessary actions to protect the licensed property, on behalf of the Federal Government.

(c) *Record of determinations.* NASA shall maintain a record of determinations to grant exclusive or partially exclusive licenses.

Procedures

§ 1245.207 Application for a license.

An application for a license should be addressed to the Patent Counsel at the NASA installation having responsibility for the invention and shall normally include:

(a) Identification of the invention for which the license is desired, including the patent application serial number or patent number, title, and date, if known;

(b) Identification of the type of license for which the application is submitted;

(c) Name and address of the person, company, or organization applying for the license and the citizenship or place of incorporation of the applicant;

(d) Name, address, and telephone number of representative of applicant to whom correspondence should be sent;

(e) Nature and type of applicant's business, identifying products or services which the applicant has successfully commercialized, and

approximate number of applicant's employees;

(f) Source of information concerning the availability of a license on the invention;

(g) A statement indicating whether applicant is a small business firm as defined in § 1245.202(c);

(h) A detailed description of applicant's plan for development or marketing of the invention, or both, which should include:

(1) A statement of the time, nature and amount of anticipated investment of capital and other resources which applicant believes will be required to bring the invention to practical application;

(2) A statement as to applicant's capability and intention to fulfill the plan, including information regarding manufacturing, marketing, financial, and technical resources;

(3) A statement of the fields of use for which applicant intends to practice the invention; and

(4) A statement of the geographic areas in which applicant intends to manufacture any products embodying the invention and geographic areas where applicant intends to use or sell the invention, or both;

(i) Identification of licenses previously granted to applicant under Federally owned inventions;

(j) A statement containing applicant's best knowledge of the extent to which the invention is being practiced by private industry or Government, or both, or is otherwise available commercially; and

(k) Any other information which applicant believes will support a determination to grant the license to applicant.

§ 1245.208 Processing applications.

(a) Applications for licenses will be initially reviewed by the Patent Counsel of the NASA installation having responsibility for the invention. The Patent Counsel shall make a preliminary recommendation to the Director of Licensing, NASA Headquarters, whether to: (1) grant the license as requested, (2) grant the license with modification after negotiation with the licensee, or (3) deny the license. The Director of Licensing shall review the preliminary recommendation of the Patent Counsel and make a final recommendation to the NASA Assistant General Counsel for Patent Matters. Such review and final recommendation may include, and be based on, any additional information obtained from applicant and other sources that the Patent Counsel and the Director of Licensing deem relevant to

the license requested. The determination to grant or deny the license shall be made by the Assistant General Counsel for Patent Matters based on the final recommendation of the Director of Licensing.

(b) When notice of a prospective exclusive or partially exclusive license is published in the Federal Register in accordance with § 1245.206(a)(1)(iii)(A) or § 1245.206(b)(1)(i), any written objections received in response thereto will be considered by the Director of Licensing in making the final recommendation to the Assistant General Counsel for Patent Matters.

(c) If the requested license, including any negotiated modifications, is denied by the Assistant General Counsel for Patent Matters, the applicant may request reconsideration by filing a written request for reconsideration within 30 days after receiving notice of denial. This 30-day period may be extended for good cause.

(d) In addition to, or in lieu of requesting reconsideration, the applicant may also appeal the denial of the license in accordance with § 1245.211.

§ 1245.209 Notice to Attorney General.

A copy of the notice provided for in §§ 1245.206(a)(1)(iii)(A), and 1245.206(b)(1)(i) will be sent to the Attorney General.

§ 1245.210 Modification and termination of licenses.

Before modifying or terminating a license, other than by mutual agreement, NASA shall furnish the licensee and any sublicensee of record a written notice of intention to modify or terminate the license, and the licensee and any sublicensee shall be allowed 30 days after such notice to remedy any breach of the license or show cause why the license should not be modified or terminated.

§ 1245.211 Appeals.

(a) The following parties may appeal to the NASA Administrator or designee any decision or determination concerning the grant, denial, interpretation, modification, or termination of a license:

(1) A person whose application for a license has been denied;

(2) A licensee whose license has been modified or terminated, in whole or in part; or

(3) A person who timely filed a written objection in response to the notice required by § 1245.208(a)(1)(iii)(A) or

PATENT LICENSING REGULATIONS

1245.206(b)(1)(i) and who can demonstrate to the satisfaction of NASA that such person may be damaged by the Agency action.

(b) Written notice of appeal must be filed within 30 days (or such other time as may be authorized for good cause shown) after receiving notice of the adverse decision or determination; including, an adverse decision following the request for reconsideration under § 1245.208(c). The notice of appeal, along with all supporting documentation should be addressed to the Administrator, National Aeronautics and Space Administration, Washington, DC 20546. Should the appeal raise a genuine dispute over material facts, fact-finding will be conducted by the NASA Inventions and Contributions Board. The person filing the appeal shall be

afforded an opportunity to be heard and to offer evidence in support of the appeal. The Chairperson of the Inventions and Contributions Board shall prepare written findings of fact and transmit them to the Administrator or designee. The decision on the appeal shall be made by the NASA Administrator or designee. There is no further right of administrative appeal from the decision of the Administrator or designee.

§ 1245.212 Protection and administration of inventions.

NASA may take any suitable and necessary steps to protect and administer rights to NASA inventions, either directly or through contract.

§ 1245.213 Transfer of custody.

NASA having custody of certain Federally owned inventions may transfer custody and administration in whole or in part, to another Federal agency, of the right, title, or interest in any such invention.

§ 1245.214 Confidentiality of information.

Title 35, United States Code, section 209, provides that any plan submitted pursuant to § 1245.207(h) and any report required by § 1245.204(b)(6) may be treated by NASA as commercial and financial information obtained from a person and privileged and confidential and not subject to disclosure under section 552 of Title 5 of the United States Code.

James M. Beggs,

Administrator.

October 15, 1981.

[FR Doc. 81-31609 Filed 10-30-81. 8:45 am.]

BILLING CODE 7510-01-M

Subject Categories

(1969 – 1973)

01 Aerodynamics

Includes aerodynamics of bodies, combinations, internal flow in ducts and turbomachinery; wings, rotors, and control surfaces. For applications see: 02 Aircraft and 32 Space Vehicles. For related information see also: 12 Fluid Mechanics; and 33 Thermodynamics and Combustion.

02 Aircraft

Includes fixed-wing airplanes, helicopters, gliders, balloons, ornithopters, etc.; and specific types of complete aircraft (e.g., ground effect machines, STOL, and VTOL); flight tests; operating problems (e.g., sonic boom); safety and safety devices; economics; and stability and control. For basic research see: 01 Aerodynamics. For related information see also: 31 Space Vehicles; and 32 Structural Mechanics.

03 Auxiliary Systems

Includes fuel cells, energy conversion cells, and solar cells; auxiliary gas turbines; hydraulic, pneumatic and electrical systems; actuators; and inverters. For related information see also: 09 Electronic Equipment; 22 Nuclear Engineering; and 28 Propulsion Systems.

04 Biosciences

Includes aerospace medicine, exobiology, radiation effects on biological systems; physiological and psychological factors. For related information see also: 05 Biotechnology.

05 Biotechnology

Includes life support systems, human engineering, protective clothing and equipment, crew training and evaluation, and piloting. For related information see also 04 Biosciences

06 Chemistry

Includes chemical analysis and identification (e.g., spectroscopy). For applications see: 17 Materials, Metallic; 18 Materials, Nonmetallic; and 27 Propellants.

07 Communications

Includes communications equipment and techniques; noise; radio and communications blackout; modulation telemetry; tracking radar and optical observation; and wave propagation. For basic research see: 23 Physics, General; and 21 Navigation.

08 Computers

Includes computer operation and programming; and data processing. For applications, see specific categories. For related information see also: 19 Mathematics.

09 Electronic Equipment

Includes electronic test equipment and maintainability, component parts, e.g., electron tubes, tunnel diodes, transistors, integrated circuitry; microminiaturization. For basic research see: 10 Electronics. For related information see also: 07 Communications and 21 Navigation.

10 Electronics

Includes circuit theory; and feedback and control theory. For applications see: 09 Electronic Equipment. For related information see specific Physics categories.

11 Facilities, Research and Support

Includes airports; lunar and planetary bases including associated vehicles; ground support systems; related logistics; simulators; test facilities (e.g., rocket engine test stands, shock tubes, and wind tunnels); test ranges; and tracking stations.

12 Fluid Mechanics

Includes boundary-layer flow; compressible flow; gas dynamics; hydrodynamics; and turbulence. For related information see also: 01 Aerodynamics; and 33 Thermodynamics and Combustion

13 Geophysics

Includes aeronomy; upper and lower atmosphere studies; oceanography; cartography; and geodesy. For related information see also: 20 Meteorology, 29 Space Radiation, and 30 Space Sciences.

14 Instrumentation and Photography

Includes design, installation, and testing of instrumentation systems; gyroscopes; measuring instruments and gages; recorders, transducers; aerial photography; and telescopes and cameras.

15 Machine Elements and Processes

Includes bearings, seals, pumps, and other mechanical equipment; lubrication, friction, and wear; manufacturing processes and quality control; reliability; drafting; and materials fabrication, handling, and inspection.

16 Masers

Includes applications of masers and lasers. For basic research see: 26 Physics, Solid-State.

17 Materials, Metallic

Includes cermets; corrosion; physical and mechanical properties of materials; metallurgy; and applications as structural materials. For basic research see: 06 Chemistry. For related information see also: 18 Materials, Nonmetallic; and 32 Structural Mechanics

18 Materials, Nonmetallic

Includes corrosion; physical and mechanical properties of materials (e.g., plastics); and elastomers, hydraulic fluids, etc. For basic research see: 06 Chemistry. For related information see also: 17 Materials, Metallic; 27 Propellants; and 32 Structural Mechanics.

19 Mathematics

Includes calculation methods and theory; and numerical analysis. For applications see specific categories. For related information see also: 08 Computers.

20 Meteorology

Includes climatology; weather forecasting; and visibility studies. For related information see also: 13 Geophysics; and 30 Space Sciences.

21 Navigation

Includes guidance; autopilots; star and planet tracking; inertial platforms; and air traffic control. For related information see also: 07 Communications.

22 Nuclear Engineering

Includes nuclear reactors and nuclear heat sources used for propulsion and auxiliary power. For basic research see: 24 Physics, Atomic, Molecular, and Nuclear. For related information see also: 03 Auxiliary Systems; and 28 Propulsion Systems.

23 Physics, General

Includes acoustics, cryogenics, mechanics, and optics. For astrophysics see: 30 Space Sciences. For geophysics and related information see also: 13 Geophysics, 20 Meteorology, and 29 Space Radiation.

24 Physics, Atomic, Molecular, and Nuclear

Includes atomic, molecular and nuclear physics. For applications see: 22 Nuclear Engineering. For related information see also: 29 Space Radiation.

25 Physics, Plasma

Includes magnetohydrodynamics. For applications see: 28 Propulsion Systems.

26 Physics, Solid-State

Includes semiconductor theory; and superconductivity. For applications see: 16 Masers. For related information see also: 10 Electronics.

27 Propellants

Includes fuels; igniters; and oxidizers. For basic research see: 06 Chemistry; and 33 Thermodynamics and Combustion. For related information see also 28 Propulsion Systems.

28 Propulsion Systems

Includes air breathing, electric, liquid, solid, and magnetohydrodynamic propulsion. For nuclear propulsion see: 22 Nuclear Engineering. For basic research see: 23 Physics, General; and 33 Thermodynamics and Combustion. For applications see: 31 Space Vehicles. For related information see also: 27 Propellants.

29 Space Radiation

Includes cosmic radiation; solar flares; solar radiation; and Van Allen radiation belts. For related information see also: 13 Geophysics, and 24 Physics, Atomic, Molecular, and Nuclear.

30 Space Sciences

Includes astronomy and astrophysics; cosmology; lunar and planetary flight and exploration; and theoretical analysis of orbits and trajectories. For related information see also: 11 Facilities, Research and Support; and 31 Space Vehicles.

31 Space Vehicles

Includes launch vehicles; manned space capsules; clustered and multistage rockets; satellites; sounding rockets and probes, and operating problems. For basic research see: 30 Space Sciences. For related information see also: 28 Propulsion Systems; and 32 Structural Mechanics.

32 Structural Mechanics

Includes structural element design and weight analysis; fatigue; thermal stress; impact phenomena; vibration; flutter; inflatable structures; and structural tests. For related information see also: 17 Materials, Metallic; and 18 Materials, Nonmetallic.

33 Thermodynamics and Combustion

Includes ablation, cooling, heating, heat transfer, thermal balance, and other thermal effects; and combustion theory. For related information see also: 12 Fluid Mechanics; and 27 Propellants.

34 General

Includes information of a broad nature related to industrial applications and technology, and to basic research; defense aspects; information retrieval; management; law and related legal matters; and legislative hearings and documents.

TABLE OF CONTENTS

Subject Categories (1974 –)

AERONAUTICS

Includes aeronautics (general), aerodynamics, air transportation and safety; aircraft communications and navigation; aircraft design, testing and performance; aircraft instrumentation; aircraft propulsion and power; aircraft stability and control; and research and support facilities (air)

For related information see also *Astronautics*.

01 AERONAUTICS (GENERAL)

02 AERODYNAMICS

Includes aerodynamics of bodies, combinations, wings, rotors, and control surfaces, and internal flow in ducts and turbomachinery.

For related information see also *34 Fluid Mechanics and Heat Transfer*

03 AIR TRANSPORTATION AND SAFETY

Includes passenger and cargo air transport operations; and aircraft accidents.

For related information see also *16 Space Transportation* and *85 Urban Technology and Transportation*.

04 AIRCRAFT COMMUNICATIONS AND NAVIGATION

Includes digital and voice communication with aircraft; air navigation systems (satellite and ground based); and air traffic control.

For related information see also *17 Spacecraft Communications, Command and Tracking* and *32 Communications*.

05 AIRCRAFT DESIGN, TESTING AND PERFORMANCE

Includes aircraft simulation technology.

For related information see also *18 Spacecraft Design, Testing and Performance* and *39 Structural Mechanics*.

06 AIRCRAFT INSTRUMENTATION

Includes cockpit and cabin display devices; and flight instruments.

For related information see also *19 Spacecraft Instrumentation* and *35 Instrumentation and Photography*

07 AIRCRAFT PROPULSION AND POWER

Includes prime propulsion systems and systems components, e.g., gas turbine engines and compressors; and on-board auxiliary power plants for aircraft.

For related information see also *20 Spacecraft Propulsion and Power*, *28 Propellants and Fuels*, and *44 Energy Production and Conversion*.

08 AIRCRAFT STABILITY AND CONTROL

Includes aircraft handling qualities; piloting; flight controls; and autopilots.

09 RESEARCH AND SUPPORT FACILITIES (AIR)

Includes airports, hangars and runways, aircraft repair and overhaul facilities; wind tunnels; shock tube facilities; and engine test blocks.

For related information see also *14 Ground Support Systems and Facilities (Space)*.

ASTRONAUTICS

Includes astronautics (general), astrodynamics; ground support systems and facilities (space), launch vehicles and space vehicles, space transportation; spacecraft communications, command and tracking; spacecraft design, testing and performance, spacecraft instrumentation, and spacecraft propulsion and power

For related information see also *Aeronautics*

12 ASTRONAUTICS (GENERAL)

For extraterrestrial exploration see *91 Lunar and Planetary Exploration*

13 ASTRODYNAMICS

Includes powered and free-flight trajectories; and orbit and launching dynamics

14 GROUND SUPPORT SYSTEMS AND FACILITIES (SPACE)

Includes launch complexes, research and production facilities; ground support equipment, e.g., mobile transporters; and simulators.

For related information see also *09 Research and Support Facilities (Air)*

15 LAUNCH VEHICLES AND SPACE VEHICLES

Includes boosters; manned orbital laboratories; reusable vehicles; and space stations.

16 SPACE TRANSPORTATION

Includes passenger and cargo space transportation, e.g., shuttle operations; and rescue techniques

For related information see also *03 Air Transportation and Safety* and *85 Urban Technology and Transportation*.

17 SPACECRAFT COMMUNICATION, COMMAND AND TRACKING

Includes telemetry, space communications networks; astronavigation; and radio blackout.

For related information see also *04 Aircraft Communications and Navigation* and *32 Communications*

18 SPACECRAFT DESIGN, TESTING AND PERFORMANCE

Includes spacecraft thermal and environmental control; and attitude control.

For life support systems see *54 Man/System Technology and Life Support*. For related information see also *05 Aircraft Design, Testing and Performance* and *39 Structural Mechanics*

19 SPACECRAFT INSTRUMENTATION

For related information see also *06 Aircraft Instrumentation* and *35 Instrumentation and Photography*.

20 SPACECRAFT PROPULSION AND POWER

Includes main propulsion systems and components, e.g., rocket engines; and spacecraft auxiliary power sources

For related information see also *07 Aircraft Propulsion and Power*, *28 Propellants and Fuels*, and *44 Energy Production and Conversion*

CHEMISTRY AND MATERIALS

Includes chemistry and materials (general); composite materials; inorganic and physical chemistry; metallic materials; nonmetallic materials; and propellants and fuels.

23 CHEMISTRY AND MATERIALS (GENERAL)

Includes biochemistry and organic chemistry.

24 COMPOSITE MATERIALS

Includes laminates.

25 INORGANIC AND PHYSICAL CHEMISTRY

Includes chemical analysis, e.g., chromatography; combustion theory; electrochemistry; and photochemistry.

For related information see also *77 Thermodynamics and Statistical Physics*.

26 METALLIC MATERIALS

Includes physical, chemical, and mechanical properties of metals, e.g., corrosion; and metallurgy.

27 NONMETALLIC MATERIALS

Includes physical, chemical, and mechanical properties of plastics, elastomers, lubricants, polymers, textiles, adhesives, and ceramic materials.

28 PROPELLANTS AND FUELS

Includes rocket propellants, igniters, and oxidizers; storage and handling; and aircraft fuels.

For related information see also *07 Aircraft Propulsion and Power*, *20 Spacecraft Propulsion and Power*, and *44 Energy Production and Conversion*.

ENGINEERING

Includes engineering (general); communications; electronics and electrical engineering; fluid mechanics and heat transfer; instrumentation and photography; lasers and masers; mechanical engineering; quality assurance and reliability; and structural mechanics.

For related information see also *Physics*.

31 ENGINEERING (GENERAL)

Includes vacuum technology; control engineering; display engineering; and cryogenics.

32 COMMUNICATIONS

Includes land and global communications; communications theory; and optical communications.

For related information see also *04 Aircraft Communications and Navigation* and *17 Spacecraft Communications, Command and Tracking*.

33 ELECTRONICS AND ELECTRICAL ENGINEERING

Includes test equipment and maintainability; components, e.g., tunnel diodes and transistors; microminiaturization; and integrated circuitry.

For related information see also *60 Computer Operations and Hardware* and *76 Solid-State Physics*.

34 FLUID MECHANICS AND HEAT TRANSFER

Includes boundary layers; hydrodynamics; fluidics; mass transfer; and ablation cooling.

For related information see also *02 Aerodynamics* and *77 Thermodynamics and Statistical Physics*.

35 INSTRUMENTATION AND PHOTOGRAPHY

Includes remote sensors; measuring instruments and gages; detectors; cameras and photographic supplies; and holography.

For aerial photography see *43 Earth Resources*. For related information see also *06 Aircraft Instrumentation* and *19 Spacecraft Instrumentation*.

36 LASERS AND MASERS

Includes parametric amplifiers.

37 MECHANICAL ENGINEERING

Includes auxiliary systems (non-power); machine elements and processes; and mechanical equipment.

38 QUALITY ASSURANCE AND RELIABILITY

Includes product sampling procedures and techniques; and quality control.

39 STRUCTURAL MECHANICS

Includes structural element design and weight analysis; fatigue; and thermal stress.

For applications see *05 Aircraft Design, Testing and Performance* and *18 Spacecraft Design, Testing and Performance*.

GEOSCIENCES

Includes geosciences (general); earth resources; energy production and conversion; environment pollution; geophysics; meteorology and climatology; and oceanography.

For related information see also *Space Sciences*.

42 GEOSCIENCES (GENERAL)

43 EARTH RESOURCES

Includes remote sensing of earth resources by aircraft and spacecraft; photogrammetry; and aerial photography.

For instrumentation see *35 Instrumentation and Photography*.

44 ENERGY PRODUCTION AND CONVERSION

Includes specific energy conversion systems, e.g., fuel cells and batteries; global sources of energy; fossil fuels; geophysical conversion; hydroelectric power; and wind power.

For related information see also *07 Aircraft Propulsion and Power*, *20 Spacecraft Propulsion and Power*, *28 Propellants and Fuels*, and *85 Urban Technology and Transportation*.

45 ENVIRONMENT POLLUTION

Includes air, noise, thermal and water pollution; environment monitoring; and contamination control.

46 GEOPHYSICS

Includes aeronomy; upper and lower atmosphere studies; ionospheric and magnetospheric physics; and geomagnetism.

For space radiation see *93 Space Radiation*.

47 METEOROLOGY AND CLIMATOLOGY

Includes weather forecasting and modification.

48 OCEANOGRAPHY

Includes biological, dynamic and physical oceanography; and marine resources.

LIFE SCIENCES

Includes sciences (general); aerospace medicine; behavioral sciences; man/system technology and life support; and planetary biology.

51 LIFE SCIENCES (GENERAL)

Includes genetics.

52 AEROSPACE MEDICINE

Includes physiological factors; biological effects of radiation; and weightlessness.

53 BEHAVIORAL SCIENCES

Includes psychological factors; individual and group behavior; crew training and evaluation; and psychiatric research.

54 MAN/SYSTEM TECHNOLOGY AND LIFE SUPPORT

Includes human engineering; biotechnology; and space suits and protective clothing.

55 PLANETARY BIOLOGY

Includes exobiology; and extraterrestrial life.

MATHEMATICAL AND COMPUTER SCIENCES

Includes mathematical and computer sciences (general); computer operations and hardware; computer programming and software; computer systems; cybernetics; numerical analysis; statistics and probability; systems analysis; and theoretical mathematics.

59 MATHEMATICAL AND COMPUTER SCIENCES (GENERAL)

60 COMPUTER OPERATIONS AND HARDWARE

Includes computer graphics and data processing.
For components see *33 Electronics and Electrical Engineering*.

61 COMPUTER PROGRAMMING AND SOFTWARE

Includes computer programs, routines, and algorithms.

62 COMPUTER SYSTEMS

Includes computer networks.

63 CYBERNETICS

Includes feedback and control theory.

For related information see also *54 Man/System Technology and Life Support*.

64 NUMERICAL ANALYSIS

Includes iteration, difference equations, and numerical approximation.

65 STATISTICS AND PROBABILITY

Includes data sampling and smoothing; Monte Carlo method; and stochastic processes.

66 SYSTEMS ANALYSIS

Includes mathematical modeling; network analysis; and operations research.

67 THEORETICAL MATHEMATICS

Includes topology and number theory.

PHYSICS

Includes physics (general); acoustics; atomic and molecular physics; nuclear and high-energy physics; optics; plasma physics; solid-state physics; and thermodynamics and statistical physics.

For related information see also *Engineering*.

70 PHYSICS (GENERAL)

For geophysics see *46 Geophysics*. For astrophysics see *90 Astrophysics*. For solar physics see *92 Solar Physics*.

71 ACOUSTICS

Includes sound generation, transmission, and attenuation.

For noise pollution see *45 Environment Pollution*.

72 ATOMIC AND MOLECULAR PHYSICS

Includes atomic structure and molecular spectra.

73 NUCLEAR AND HIGH-ENERGY PHYSICS

Includes elementary and nuclear particles; and reactor theory.

For space radiation see *93 Space Radiation*.

74 OPTICS

Includes light phenomena.

75 PLASMA PHYSICS

Includes magnetohydrodynamics and plasma fusion.

For ionospheric plasmas see *46 Geophysics*. For space plasmas see *90 Astrophysics*.

76 SOLID-STATE PHYSICS

Includes superconductivity.

For related information see also *33 Electronics and Electrical Engineering* and *36 Lasers and Masers*.

77 THERMODYNAMICS AND STATISTICAL PHYSICS

Includes quantum mechanics; and Bose and Fermi statistics.

For related information see also *25 Inorganic and Physical Chemistry* and *34 Fluid Mechanics and Heat Transfer*.

SOCIAL SCIENCES

Includes social sciences (general); administration and management; documentation and information science; economics and cost analysis; law and political science; and urban technology and transportation.

80 SOCIAL SCIENCES (GENERAL)

Includes educational matters.

81 ADMINISTRATION AND MANAGEMENT

Includes management planning and research.

82 DOCUMENTATION AND INFORMATION SCIENCE

Includes information storage and retrieval technology; micrography; and library science.

For computer documentation see 61 *Computer Programming and Software*.

83 ECONOMICS AND COST ANALYSIS

Includes cost effectiveness studies.

84 LAW AND POLITICAL SCIENCE

Includes space law; international law; international cooperation; and patent policy.

85 URBAN TECHNOLOGY AND TRANSPORTATION

N.A.

Includes applications of space technology to urban problems; technology transfer; technology assessment; and surface and mass transportation.

For related information see 03 *Air Transportation and Safety*, 16 *Space Transportation*, and 44 *Energy Production and Conversion*.

SPACE SCIENCES

Includes space sciences (general); astronomy; astrophysics; lunar and planetary exploration; solar physics; and space radiation.

For related information see also *Geosciences*.

86 SPACE SCIENCES (GENERAL)

89 ASTRONOMY

Includes radio and gamma-ray astronomy; celestial mechanics; and astrometry.

90 ASTROPHYSICS

Includes cosmology; and interstellar and interplanetary gases and dust.

91 LUNAR AND PLANETARY EXPLORATION

Includes planetology; and manned and unmanned flights.

For spacecraft design see 18 *Spacecraft Design, Testing and Performance*. For space stations see 15 *Launch Vehicles and Space Vehicles*.

92 SOLAR PHYSICS

Includes solar activity, solar flares, solar radiation and sunspots.

93 SPACE RADIATION

Includes cosmic radiation; and inner and outer earth's radiation belts.

For biological effects of radiation see 52 *Aerospace Medicine*. For theory see 73 *Nuclear and High-Energy Physics*.

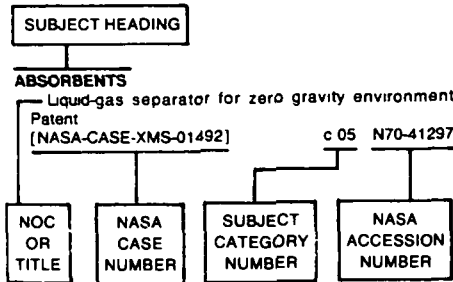
GENERAL

99 GENERAL

Section 2 • Indexes

SUBJECT INDEX	A-1
INVENTOR INDEX	B-1
SOURCE INDEX	C-1
CONTRACT NUMBER INDEX	D-1
NUMBER INDEX	E-1
ACCESSION NUMBER INDEX	F-1

Typical Subject Index Listing



The subject heading is a key to the subject content of the document. A brief description of the document, e.g., title, title plus a title extension, or Notation of Content (NOC), is included for each subject entry to indicate the subject heading context, these descriptions are arranged under each subject heading in ascending accession number order. The NASA Case Number serves as the prime access number to the patent documents. The Subject Category Number indicates the category in Section 1 (Abstracts) in which the patent citation and abstract are located. The NASA accession number denotes the number by which the citation is identified within the subject category.

A

ABERRATION
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

ABILITIES
Kinesimetric method and apparatus
[NASA-CASE-MS-C-18929-1] c 39 N83-20280

ABLATION
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911

ABLATIVE MATERIALS
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100
Stand-off type ablative heat shield
[NASA-CASE-MS-C-12143-1] c 33 N72-17947

Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911
Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376
Thermal protection system
[NASA-CASE-MS-C-18796-1] c 24 N82-26389

ABORT APPARATUS
Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846

ABRASION
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

ABRASION RESISTANCE
Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MS-C-18382-1] c 27 N82-16238
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MS-C-18382-2] c 27 N84-14324

ABSORBENTS
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308
Absorbent product and articles made therefrom
[NASA-CASE-MS-C-18223-2] c 54 N84-11758

ABSORBERS (EQUIPMENT)
Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544
Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MS-C-18223-1] c 24 N82-29362

ABSORBERS (MATERIALS)
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

ABSORPTION
Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867

Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1] c 31 N85-20154

ABSORPTION COOLING
Ten degree Kelvin hydride refrigerator
[NASA-CASE-NPO-16393-1-CU] c 31 N85-29084

ABSORPTION CROSS SECTIONS
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MS-C-12280] c 27 N71-16348

ABSORPTION SPECTRA
Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

ABSORPTION SPECTROSCOPY
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264

ABSORPTIVITY
Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551
Improved heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N84-32425

AC GENERATORS
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660

ACCELERATION
Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699

ACCELERATION (PHYSICS)
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

ACCELERATION PROTECTION
Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268

ACCELERATION STRESSES (PHYSIOLOGY)
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881

ACCELERATION TOLERANCE
Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185

ACCELERATORS
Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

ACCELEROMETERS
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969

SUBJECT

- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
- Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
- Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094
- Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
- ACCEPTABILITY**
Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395
- ACCEPTOR MATERIALS**
III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- ACCIDENT PREVENTION**
CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- ACCOMMODATION**
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193
- ACCUMULATORS**
Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319
- Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
- Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
- Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
- Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- Method for fabricating solar cells having integrated collector grnts
[NASA-CASE-LEW-12819-2] c 44 N79-18444
- Urne collection device
[NASA-CASE-MS-16433-1] c 52 N81-24711
- Urne collection apparatus --- feminine hygiene
[NASA-CASE-MS-18381-1] c 52 N81-28740
- Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415
- Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489
- ACETALS**
Synthesis of polymenc schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- ACETATES**
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
- ACETYL COMPOUNDS**
Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom
[NASA-CASE-LAR-13262-1] c 23 N85-28973
- ACETYLENE**
Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- ACOUSTIC ATTENUATION**
Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- ACOUSTIC DUCTS**
Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
- ACOUSTIC EXCITATION**
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
- ACOUSTIC IMPEDANCE**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- Improved impact tolerant material
[NASA-CASE-LAR-12887-1] c 24 N84-20649
- Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
- Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- ACOUSTIC LEVITATION**
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] c 71 N84-16948
- Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
- ACOUSTIC MEASUREMENT**
Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232
- Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
- Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
- ACOUSTIC PROPAGATION**
Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
- Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753
- ACOUSTIC PROPERTIES**
Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
- Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390
- ACOUSTICAL HOLOGRAPHY**
Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
- ACOUSTICS**
Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
- Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
- ACOUSTO-OPTICS**
Apparatus for testing wing harness by vibration generating means
[NASA-CASE-MS-15158-1] c 14 N72-17325
- Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
- Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- ACRYLATES**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
- ACRYLONITRILES**
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- ACTIVATED CARBON**
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- ACTIVATION ENERGY**
Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
- Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
- ACTUATION**
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- ACTUATOR DISKS**
Cryogenic gyroscope housing --- with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323
- ACTUATORS**
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
- Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929
- Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
- Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
- Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
- Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
- Radiator deployment actuator Patent
[NASA-CASE-MS-11817-1] c 15 N71-26611
- Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
- Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
- Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
- Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
- Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371
- Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
- Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
- Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
- Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
- Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
- Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
- Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
- Pressure limiting propellant actuating system
[NASA-CASE-MS-18179-1] c 20 N80-18097
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- Memory metal actuator --- for use in electromechanical servocontrol systems
[NASA-CASE-NPO-15960-1] c 37 N83-36485
- Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 18 N84-16250
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- Slow opening valve --- valve design for shuttle portable oxygen system
[NASA-CASE-MS-20112-1] c 37 N85-20338
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
- ADAPTERS**
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Self-indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N84-20860
- ADAPTIVE CONTROL**
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
- Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
- Adaptive voting computer system
[NASA-CASE-MS-C-13932-1] c 62 N74-14920
- Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- ADAPTIVE FILTERS**
- Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- ADAPTIVE OPTICS**
- Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900
- ADDING CIRCUITS**
- Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
- Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
- ADDITION RESINS**
- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- ADDITIVES**
- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- ADDRESSING**
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- ADENOSINE TRIPHOSPHATE**
- Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- ADHESION**
- Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- ADHESION TESTS**
- Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
- High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
- ADHESIVE BONDING**
- Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MS-C-12619-2] c 27 N79-12221
- Surface finishing
[NASA-CASE-MS-C-12631-3] c 27 N81-14077
- Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- Hot melt recharge system --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- ADHESIVES**
- Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
- Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
- Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Thermal protection system
[NASA-CASE-MS-C-18796-1] c 24 N82-26389
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
- Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
- Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349
- ADJUSTING**
- Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
- Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
- Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
- Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- AERIAL RUDDERS**
- Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130
- AEROACOUSTICS**
- Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- AERODYNAMIC BRAKES**
- Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
- Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034
- AERODYNAMIC CHARACTERISTICS**
- Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
- Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- Space shuttle vehicle and system
[NASA-CASE-MS-C-12433] c 31 N73-14854
- Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- AERODYNAMIC CONFIGURATIONS**
- Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
- Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
- Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
- Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
- Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907
- Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
- Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- AERODYNAMIC DRAG**
- Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- AERODYNAMIC HEATING**
- Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Stand-off type ablative heat shield
[NASA-CASE-MS-C-12143-1] c 33 N72-17947
- AERODYNAMIC LOADS**
- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
- Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- AERODYNAMIC NOISE**
- Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
- Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- AERODYNAMIC STABILITY**
- Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
- Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
- Emergency earth orbital escape device
[NASA-CASE-MS-C-13281] c 31 N72-18859
- High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- AERODYNAMIC STALLING**
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- AEROELASTICITY**
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- AERONAUTICAL ENGINEERING**
- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- AEROSOLS**
- Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
- Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- AEROSPACE ENGINEERING**
- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
- Installing fiber insulation
[NASA-CASE-MS-C-16973-1] c 37 N81-14317
- AEROSPACE ENVIRONMENTS**
- Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
- Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
- Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

- Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
Automatic biowaste sampling
[NASA-CASE-MS-C-14640-1] c 54 N76-14804
Wobble gear drive mechanism --- for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913
Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MS-C-14331-3] c 27 N78-32262
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Coated flexible laminate and method of its production
[NASA-CASE-GSC-12913-1] c 27 N84-24807
Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MS-C-18852-1] c 37 N85-29283
- AEROSPACE MEDICINE**
Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- AEROSPACE VEHICLES**
Landing arrangement for aenal vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 18 N84-20628
- AEROSPACEPLANES**
Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907
- AFTERBODIES**
Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231
- AFTERBURNING**
Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374
- AGGLOMERATION**
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
- AGING (MATERIALS)**
Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
- AGRICULTURE**
Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701
- AILERONS**
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
- AIR**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
- AIR BREATHING ENGINES**
Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
- AIR CONDITIONING**
Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- AIR CONDITIONING EQUIPMENT**
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
- Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
- AIR COOLING**
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
- AIR FILTERS**
Gas filter mounting structure
[NASA-CASE-MS-C-12297] c 14 N72-23457
- AIR FLOW**
Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- AIR INTAKES**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Reversed cowl flap inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- AIR JETS**
Improved silicon grinding method and apparatus
[NASA-CASE-NPO-16336-1-CU] c 31 N85-21407
- AIR LOCKS**
Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840
Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900
- AIR NAVIGATION**
Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
- AIR POLLUTION**
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- AIR PURIFICATION**
High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Cell and method for electrolysis of water and anode
[NASA-CASE-MS-C-16394-1] c 28 N81-24280
- AIR SAMPLING**
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
Solid sorbent air sampler
[NASA-CASE-MS-C-20653-1] c 35 N85-20301
- AIR START**
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- AIR TRAFFIC CONTROL**
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 33 N84-15395
- AIRBORNE EQUIPMENT**
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
- AIRBORNE/SPACEBORNE COMPUTERS**
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914
- AIRCRAFT**
System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
- AIRCRAFT ACCIDENTS**
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
- AIRCRAFT ANTENNAS**
Spiral slotted phased antenna array
[NASA-CASE-MS-C-18532-1] c 32 N82-27558
- AIRCRAFT COMPARTMENTS**
Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- AIRCRAFT CONFIGURATIONS**
Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Television simulation for aircraft and space flight
[NASA-CASE-XFR-03107] c 09 N71-19449
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
Over the wing propeller
[NASA-CASE-LAR-13134-1] c 05 N85-19980
- AIRCRAFT CONSTRUCTION MATERIALS**
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
- AIRCRAFT CONTROL**
Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038
Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
Flight control system
[NASA-CASE-MS-C-13397-1] c 21 N72-25595

- Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
- Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
- Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985
- AIRCRAFT DESIGN**
- Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
- Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907
- High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
- Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086
- Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092
- Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
- AIRCRAFT DETECTION**
- Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
- Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
- AIRCRAFT ENGINES**
- Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
- Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- Over the wing propeller
[NASA-CASE-LAR-13134-1] c 05 N85-19980
- AIRCRAFT EQUIPMENT**
- Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
- Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 35 N84-32782
- AIRCRAFT FUEL SYSTEMS**
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- AIRCRAFT GUIDANCE**
- Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- AIRCRAFT HAZARDS**
- Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
- AIRCRAFT HYDRAULIC SYSTEMS**
- Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
- Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- AIRCRAFT INSTRUMENTS**
- Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
- Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
- Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
- Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692
- G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
- Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
- AIRCRAFT LANDING**
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
- Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
- Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
- Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- AIRCRAFT LAUNCHING DEVICES**
- Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- AIRCRAFT MANEUVERS**
- G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
- AIRCRAFT MODELS**
- Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
- Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246
- Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014
- AIRCRAFT NOISE**
- Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232
- AIRCRAFT PERFORMANCE**
- Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- AIRCRAFT PILOTS**
- Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
- AIRCRAFT SAFETY**
- Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
- Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
- Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
- AIRCRAFT SPIN**
- Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
- Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200
- AIRCRAFT STABILITY**
- Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- AIRCRAFT STRUCTURES**
- Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
- Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
- Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N84-20859
- Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349
- AIRCRAFT TIRES**
- Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402
- Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
- AIRCRAFT WAKES**
- System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- AIRFOIL PROFILES**
- Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
- AIRFOILS**
- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
- Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
- Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
- AIRFRAMES**
- Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
- Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- AIRSPEED**
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
- Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
- Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
- Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- ALCOHOLS**
- Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
- Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- ALDEHYDES**
- Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
- Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
- Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
- Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
- Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- ALIGNMENT**
- Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39698
- Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

- Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
Method of constructing dished ion thruster grnds to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
Precision alinement apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
Simulator scene display evaluation
[NASA-CASE-ARC-11504-1] c 09 N84-16221
Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523
Low loss splicing method for single-mode optical fiber
[NASA-CASE-NPO-16294-1] c 74 N84-33179
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289
- ALIPHATIC COMPOUNDS**
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- ALKALI HALIDES**
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- ALKALI METALS**
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- ALKALINE BATTERIES**
Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728
Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
Electrocatalyst for oxygen reduction
[NASA-CASE-HON-10537-1] c 06 N72-10138
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- ALKALINE EARTH OXIDES**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- ALKYL COMPOUNDS**
Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- ALKYNES**
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- ALLOYS**
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- ALPHA PARTICLES**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- ALPHANUMERIC CHARACTERS**
X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
- ALTERNATING CURRENT**
Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886
Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660
Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- ALTIMETERS**
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- ALTITUDE**
Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- ALTITUDE CONTROL**
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- ALUMINUM**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- ALUMINUM ALLOYS**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
Niral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
- ALUMINUM COATINGS**
Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Method of protecting the surface of a substrate --- by applying aluminate coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261
Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Silicon-slurry/aluminate coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- ALUMINUM COMPOUNDS**
Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- ALUMINUM OXIDES**
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262
- ALUMINUM SILICATES**
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- AMBIENT TEMPERATURE**
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- AMIDES**
Preparation of heterocyclic block copolymer omega-diamidoxams
[NASA-CASE-ARC-11060-1] c 27 N79-22300

- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- AMINES**
Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
Synthesis of polymenc schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
Metal (2) 4,4',4'',4''' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-NPC-11424-1] c 27 N85-34281
- AMINO ACIDS**
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- AMMONIA**
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
- AMMONIUM NITRATES**
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
- AMMONIUM PERCHLORATES**
Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- AMORPHOUS MATERIALS**
Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- AMPLIFICATION**
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410
Pseudonoise code tracking loop
[NASA-CASE-MS-C-18035-1] c 32 N81-15179
Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356
- AMPLIFIER DESIGN**
Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Measurement amplifier
[NASA-CASE-MFS-25868-1] c 33 N84-32680
Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145
- AMPLIFIERS**
Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N85-30201
- AMPLITUDE DISTRIBUTION ANALYSIS**
System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- AMPLITUDE MODULATION**
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
Stark-effect modulation of CO2 laser with NH2D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
Chopped molecular beam multiplexing system
[NASA-CASE-LAR-13174-1] c 72 N84-25431
- AMPLITUDES**
Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- AMPOULES**
Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633
Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- ANALGESIA**
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- ANALOG CIRCUITS**
Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
- ANALOG COMPUTERS**
Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- ANALOG DATA**
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Analog Signal to Discrete Time Interval Converter (ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
- ANALOG SIMULATION**
Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
- ANALOG TO DIGITAL CONVERTERS**
Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501
Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
Analog-to-digital converter
[NASA-CASE-MS-C-13110-1] c 08 N72-22163
Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166
Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701
- ANALYZERS**
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Cosmic dust analyzer
[NASA-CASE-MS-C-13802-2] c 35 N76-15431
Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- ANEMOMETERS**
Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292
- ANGIOGRAPHY**
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- ANGLE OF ATTACK**
Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

ANGLES (GEOMETRY)

ANGLES (GEOMETRY)

- Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
- Angular measurement system
[NASA-CASE-MFS-25825-1] c 35 N85-20298

ANGULAR ACCELERATION

- Angular accelerometer Patent
[NASA-CASE-XMS-05936] c 14 N70-41682

ANGULAR CORRELATION

- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490

ANGULAR DISTRIBUTION

- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707

ANGULAR MOMENTUM

- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

ANGULAR RESOLUTION

- Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179

ANGULAR VELOCITY

- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1-CU] c 35 N85-29219

ANHYDRIDES

- Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- The 1 - (dialkoxyphosphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697

ANILINE

- Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230

ANIMALS

- Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

ANISOTROPIC MEDIA

- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188

ANNEALING

- Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- CDS solid state phase insensitive ultrasonic transducer --- annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559

ANNULAR NOZZLES

- Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213

ANNULAR PLATES

- Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

ANNULI

- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017

ANODES

- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084

- Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693

- Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330
- Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

ANODIC COATINGS

- Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449

ANOMALIES

- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N84-32383

ANTENNA ARRAYS

- Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
- Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- Traxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
- Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
- Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
- Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493

ANTENNA COMPONENTS

- Digital servo controller --- for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

ANTENNA COUPLERS

- Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

ANTENNA DESIGN

- Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056
- Unfurlable structure including cooled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
- Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980
- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
- Dish antenna having switchable beamwidth --- with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516
- Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
- Furlable antenna --- antenna design
[NASA-CASE-NPO-13553-1] c 33 N76-32457
- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
- Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

ANTENNA FEEDS

- Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
- Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
- Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
- Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
- Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118

ANTENNA RADIATION PATTERNS

- Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
- Traxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
- Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187

ANTENNAS

- Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
- High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101

- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- Antenna groud replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
- Latching mechanism for deployable-restowable columns
[NASA-CASE-LAR-13169-1] c 37 N84-25063
- ANTIBIOTICS**
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- ANTIFRICTION BEARINGS**
Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
- Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
- High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
- Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383
- Method of making bearing materials -- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- ANTIGRAVITY**
Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- ANTIHISTAMINICS**
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- ANTIREFLECTION COATINGS**
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- ANVILS**
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
- APERTURES**
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
- Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
- On-film optical recording of camera lens settings
[NASA-CASE-MS-C-12363-1] c 14 N73-26431
- Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732
- Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- APOLLO PROJECT**
Space suit
[NASA-CASE-MS-C-12609-1] c 05 N73-32012
- APOLLO SPACECRAFT**
Energy absorbing structure Patent Application
[NASA-CASE-MS-C-12279-1] c 15 N70-35679
- Low onset rate energy absorber
[NASA-CASE-MS-C-12279] c 15 N72-17450
- APPLICATIONS OF MATHEMATICS**
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- APPROACH**
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- AQUATIC PLANTS**
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
- AQUEOUS SOLUTIONS**
Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MS-C-13530-2] c 23 N75-14834
- Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MS-C-18172-1] c 26 N80-19237
- Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- Electrolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MS-C-16497-1] c 25 N82-12166
- Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- ARC DISCHARGES**
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
- Method and apparatus for nondestructive testing --- using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395
- Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- ARC HEATING**
Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
- Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- ARC JET ENGINES**
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
- ARC LAMPS**
Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
- Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315
- Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330
- ARC SPRAYING**
Arc spray fabrication of metal matrix composite monotype
[NASA-CASE-LEW-13828-1] c 24 N85-30027
- ARC WELDING**
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
- Grain refinement control in TIG arc welding
[NASA-CASE-MS-C-19095-1] c 37 N75-19683
- ARCHITECTURE**
Foldable construction block
[NASA-CASE-MS-C-12233-2] c 32 N73-13921
- ARCHITECTURE (COMPUTERS)**
Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
- Distributed multipoint memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1-CU] c 04 N84-12151
- ARGON**
Liquid crystal light valve structures
[NASA-CASE-MS-C-20036-1] c 76 N85-33826
- ARM (ANATOMY)**
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
- Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
- Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
- ARMATURES**
Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
- Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
- AROMATIC COMPOUNDS**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Polymers foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- ARRAYS**
Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- ARTERIES**
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- ARTIFICIAL CLOUDS**
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
- ARTIFICIAL GRAVITY**
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
- Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
- Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750
- ARTIFICIAL SATELLITES**
Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
- Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
- ASBESTOS**
Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MS-C-12568-1] c 24 N76-14204
- ASPECT RATIO**
Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
- Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
- ASPHALT**
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
- ASSAYING**
Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- ASSEMBLIES**
Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
- Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
- Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299
- Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
- Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336

ASSEMBLING

Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289

ASTRONAUT LOCOMOTION
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651

ASTRONAUT MANEUVERING EQUIPMENT
Hand-held self-manuevering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

ASTRONAUT PERFORMANCE
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735

ASTRONAUT TRAINING
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474

ASTRONAUTS
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127

ASTRONAVIGATION
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

ASTRONOMICAL PHOTOGRAPHY
Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419

ASTRONOMICAL TELESCOPES
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969

ASYMMETRY
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361

ATMOSPHERIC COMPOSITION
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217

ATMOSPHERIC DENSITY
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443

ATMOSPHERIC ENTRY
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015

ATMOSPHERIC ENTRY SIMULATION

Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436

ATMOSPHERIC MOISTURE
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

ATMOSPHERIC PHYSICS
Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318

ATMOSPHERIC PRESSURE
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639

ATMOSPHERIC RADIATION
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432

ATMOSPHERIC REFRACTION
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344

ATMOSPHERIC SCATTERING
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

ATMOSPHERIC SOUNDING
Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

ATMOSPHERIC TEMPERATURE
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639

ATMOSPHERIC TURBULENCE
Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

ATOMIC EXCITATIONS
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N85-30779

ATOMIZERS
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406

ATOMS
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N85-30779

ATS
Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

ATTACHMENT
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150

ATTENUATORS
Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

ATTITUDE (INCLINATION)
Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391

ATTITUDE CONTROL
Visual target for retrofired attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130
Propulsion apparatus and method using boil-off gas from a cryogenic liquid --- controlling spacecraft attitude and drag
[NASA-CASE-MFS-25946-1] c 20 N84-15183
Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299

ATTITUDE GYROS
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113

ATTITUDE INDICATORS
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

ATTITUDE STABILITY
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064

AUDIO EQUIPMENT
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244

AUDIO FREQUENCIES

Signal path senses step biased multidevice high efficiency amplifier Patent
 [NASA-CASE-GSC-10668-1] c 07 N71-28430
 Audio frequency marker system
 [NASA-CASE-NPO-11147] c 14 N72-27408

AUDIO SIGNALS

A method and apparatus for operating on companded PCM voice data
 [NASA-CASE-KSC-11285-1] c 32 N85-29120

AUDITORY DEFECTS

Hearing aid malfunction detection system
 [NASA-CASE-MS-C-14916-1] c 33 N78-10375

AUDITORY PERCEPTION

Auditory display for the blind
 [NASA-CASE-HQN-10832-1] c 71 N74-21014

AUDITORY SIGNALS

Audio signal processor Patent
 [NASA-CASE-MS-C-12223-1] c 07 N71-26181
 Audio system with means for reducing noise effects
 [NASA-CASE-NPO-11631] c 10 N73-12244

AUDITORY STIMULI

Auditory display for the blind
 [NASA-CASE-HQN-10832-1] c 71 N74-21014

AUGER EFFECT

Apparatus for accurately preloading auger attachment means for frangible protective material
 [NASA-CASE-MS-C-18791-1] c 37 N83-36482

AUSTENITIC STAINLESS STEELS

Nickel aluminide coated low alloy stainless steel
 [NASA-CASE-LEW-11267-1] c 17 N73-32414
 Device for measuring the ferrite content in an austenitic stainless-steel weld
 [NASA-CASE-MFS-22907-1] c 26 N76-18257

AUTOCLAVES

System for sterilizing objects --- cleaning space vehicle systems
 [NASA-CASE-KSC-11085-1] c 54 N81-24724

AUTOCORRELATION

Linear three-tap feedback shift register Patent
 [NASA-CASE-NPO-10351] c 08 N71-12503
 Correlation function apparatus Patent
 [NASA-CASE-XNP-00746] c 07 N71-21476
 An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
 [NASA-CASE-NPO-14998-1] c 33 N81-15194

AUTOMATIC CONTROL

Bus voltage compensation circuit for controlling direct current motor
 [NASA-CASE-XMS-04215-1] c 09 N69-39987
 Optical alignment system Patent
 [NASA-CASE-XNP-02029] c 14 N70-41955
 Pulsed energy power system Patent
 [NASA-CASE-MS-C-13112] c 03 N71-11057
 Automatic balancing device Patent
 [NASA-CASE-LAR-10774] c 10 N71-13545
 Apparatus for welding torch angle and seam tracking control Patent
 [NASA-CASE-XMF-03287] c 15 N71-15607
 Leak detector Patent
 [NASA-CASE-LAR-10323-1] c 12 N71-17573
 Solar optical telescope dome control system Patent
 [NASA-CASE-MS-C-10966] c 14 N71-19568
 Automatic welding speed controller Patent
 [NASA-CASE-XMF-01730] c 15 N71-23050
 Indexing microwave switch Patent
 [NASA-CASE-XNP-06507] c 09 N71-23548
 Automatic pump Patent
 [NASA-CASE-XNP-04731] c 15 N71-24042
 Automatic fatigue test temperature programmer Patent
 [NASA-CASE-XLA-02059] c 33 N71-24276
 Automatic battery charger Patent
 [NASA-CASE-XNP-04758] c 03 N71-24605
 Transistor servo system including a unique differential amplifier circuit Patent
 [NASA-CASE-XMF-05195] c 10 N71-24861
 Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
 [NASA-CASE-NPO-10625] c 09 N71-26182
 Automatic signal range selector for metering devices Patent
 [NASA-CASE-XMS-06497] c 14 N71-26244
 Automated fluid chemical analyzer Patent
 [NASA-CASE-XNP-09451] c 06 N71-26754
 Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
 [NASA-CASE-MS-C-13917-1] c 05 N72-15098
 Optimal control system for an electric motor driven vehicle
 [NASA-CASE-NPO-11210] c 11 N72-20244
 Automated equipotential plotter
 [NASA-CASE-NPO-11134] c 09 N72-21246
 Ion thruster magnetic field control
 [NASA-CASE-LEW-10835-1] c 28 N72-22771

Temperature controller for a fluid cooled garment
 [NASA-CASE-AFC-10599-1] c 05 N73-26071
 Redundant speed control for brushless Hall effect motor
 [NASA-CASE-MFS-20207-1] c 09 N73-32107
 Programmable physiological infusion
 [NASA-CASE-ARC-10447-1] c 52 N74-22771
 Automatically operable self-leveling load table
 [NASA-CASE-MFS-22039-1] c 09 N75-12968
 Automatic focus control for facsimile cameras
 [NASA-CASE-LAR-11213-1] c 35 N75-15014
 Traffic survey system --- using optical scanners
 [NASA-CASE-MFS-22631-1] c 66 N76-19888
 Automatic visual inspection system for microelectronics
 [NASA-CASE-NPO-13282] c 38 N78-17396
 Automatic fluid dispenser
 [NASA-CASE-ARC-10820-1] c 35 N78-19466
 Method for producing solar energy panels by automation
 [NASA-CASE-LEW-12541-1] c 44 N78-25529
 Circuit for automatic load sharing in parallel converter modules
 [NASA-CASE-NPO-14056-1] c 33 N79-24257
 Method for forming a solar array strip
 [NASA-CASE-NPO-13652-3] c 44 N80-14474
 Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
 [NASA-CASE-NPO-14295-1] c 76 N80-32245
 Integrated control system for a gas turbine engine
 [NASA-CASE-LEW-12594-2] c 07 N81-19116
 Solar energy control system --- temperature measurement
 [NASA-CASE-MFS-25287-1] c 44 N82-18686
 Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
 [NASA-CASE-LAR-12412-1] c 08 N82-24205
 Automatic weld torch guidance control system
 [NASA-CASE-MFS-25807] c 37 N83-20154
 Automatic thermal switch --- spacecraft applications
 [NASA-CASE-GSC-12553-1] c 34 N83-28356
 Automatic oscillator frequency control system
 [NASA-CASE-GSC-12804-1] c 33 N83-35228
 Self-indexing latch system
 [NASA-CASE-MFS-25956-1] c 37 N84-20860
 Linear magnetic bearings
 [NASA-CASE-GSC-12582-2] c 37 N85-20337
 Jet pump-drive system for heat removal
 [NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

AUTOMATIC CONTROL VALVES

Check valve assembly for a probe Patent
 [NASA-CASE-XLA-00128] c 15 N70-37925
 Metal valve pintle with encapsulated elastomeric body Patent
 [NASA-CASE-MS-C-12116-1] c 15 N71-17648
 Semitoroidal diaphragm cavitating valve Patent
 [NASA-CASE-XNP-09704] c 12 N71-18615
 Valving device for automatic refilling in cryogenic liquid systems
 [NASA-CASE-NPO-11177] c 15 N72-17453
 Combined pressure regulator and shutoff valve
 [NASA-CASE-NPO-13201-1] c 37 N75-15050
 Iodine generator for reclaimed water purification
 [NASA-CASE-MS-C-14632-1] c 54 N78-14784
 Automatic compression adjusting mechanism for internal combustion engines
 [NASA-CASE-MS-C-18807-1] c 37 N83-36483

AUTOMATIC FREQUENCY CONTROL

Automatic acquisition system for phase-lock loop
 [NASA-CASE-XGS-04994] c 09 N69-21543
 Audio signal processor Patent
 [NASA-CASE-MS-C-12223-1] c 07 N71-26181
 Automatic frequency control loop including synchronous switching circuits
 [NASA-CASE-KSC-10393] c 09 N72-21247
 Self-tuning bandpass filter
 [NASA-CASE-ARC-10264-1] c 09 N73-20231

AUTOMATIC GAIN CONTROL

Automatic gain control system
 [NASA-CASE-XMS-05307] c 09 N69-24330
 Amplifier drift tester
 [NASA-CASE-XMS-05562-1] c 09 N69-39986
 Self-tuning bandpass filter
 [NASA-CASE-ARC-10264-1] c 09 N73-20231
 Digital automatic gain amplifier
 [NASA-CASE-KSC-11008-1] c 33 N79-22373
 Automatic level control circuit
 [NASA-CASE-KSC-11170-1] c 33 N83-36356

AUTOMATIC TEST EQUIPMENT

Visual examination apparatus
 [NASA-CASE-ARC-10329-1] c 05 N73-26072
 Automatic microbial transfer device
 [NASA-CASE-LAR-11354-1] c 35 N75-27330
 Visual examination apparatus
 [US-PATENT-RE-28,921] c 52 N76-30793

Automated clinical system for chromosome analysis
 [NASA-CASE-NPO-13913-1] c 52 N79-12694
 Automatic flowmeter calibration system
 [NASA-CASE-KSC-11076-1] c 34 N81-26402
 Pressure suit joint analyzer
 [NASA-CASE-ARC-11314-1] c 54 N82-26987

AUTOMATION

Automated multi-level vehicle parking system
 [NASA-CASE-NPO-13058-1] c 37 N77-22480

AUTOMOBILE ENGINES

Automotive gas turbine fuel control
 [NASA-CASE-LEW-12785-1] c 37 N78-24545
 Controller for computer control of brushless dc motors --- automobile engines
 [NASA-CASE-NPO-13970-1] c 33 N81-20352

AUTOMOBILE FUELS

Hydrogen rich gas generator
 [NASA-CASE-NPO-13342-2] c 44 N76-29700

AUTONOMOUS NAVIGATION

Autonomous navigation system --- gyroscopic pendulum for air navigation
 [NASA-CASE-ARC-11257-1] c 04 N81-21047

AUXILIARY POWER SOURCES

Independent power generator
 [NASA-CASE-LAR-11208-1] c 44 N78-32539
 Electrical power generating system
 [NASA-CASE-MFS-25302-1] c 33 N83-28319

AVERAGE

Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
 [NASA-CASE-MFS-25319-1] c 60 N85-33701

AVIONICS

Aircraft control position indicator
 [NASA-CASE-LAR-12984-1] c 06 N84-20522

AXES (REFERENCE LINES)

Moment of inertia test fixture Patent
 [NASA-CASE-XGS-01023] c 14 N71-22992
 Universal restrainer and joint Patent
 [NASA-CASE-XNP-02278] c 15 N71-28951
 Focal axis resolver for offset reflector antennas
 [NASA-CASE-GSC-12630-1] c 33 N83-36355

AXES OF ROTATION

Three axis controller Patent
 [NASA-CASE-XFR-00181] c 21 N70-33279
 Proportional controller Patent
 [NASA-CASE-XAC-03392] c 03 N70-41954
 Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
 [NASA-CASE-XMF-00684] c 21 N71-21688
 Controllers Patent
 [NASA-CASE-XMS-07487] c 15 N71-23255
 Aircraft body-axis rotation measurement system
 [NASA-CASE-FRC-11043-1] c 06 N83-33882
 Centrifugal-reciprocating compressor
 [NASA-CASE-NPO-14597-2] c 37 N84-28081
 Shoulder and hip joint for hard space suits and the like
 [NASA-CASE-ARC-11543-1] c 54 N85-21986

AXIAL COMPRESSION LOADS

Impact monitoring apparatus
 [NASA-CASE-MS-C-15626-1] c 14 N72-25411
 Compression test apparatus
 [NASA-CASE-MS-C-18723-1] c 35 N83-21312

AXIAL FLOW

Monogroove heat pipe design Insulated liquid channel with bridging wick
 [NASA-CASE-MS-C-20497-1] c 34 N85-29180
 Wingtip vortex propeller
 [NASA-CASE-LAR-13019-1] c 07 N85-35194

AXIAL FLOW TURBINES

Multistage multiple-reentry turbine Patent
 [NASA-CASE-XLE-00170] c 15 N70-36412
 Multistage multiple-reentry turbine Patent
 [NASA-CASE-XLE-00085] c 28 N70-39895
 Method and turbine for extracting kinetic energy from a stream of two-phase fluid
 [NASA-CASE-NPO-14130-1] c 34 N79-20335

AXIAL LOADS

Locking device with rolling detents Patent
 [NASA-CASE-XMF-01371] c 15 N70-41829
 Method for measuring biaxial stress in a body subjected to stress inducing loads
 [NASA-CASE-MFS-23299-1] c 39 N77-28511

AXIAL STRESS

Axially and radially controllable magnetic bearing
 [NASA-CASE-GSC-11551-1] c 37 N76-18459
 Method for measuring biaxial stress in a body subjected to stress inducing loads
 [NASA-CASE-MFS-23299-1] c 39 N77-28511

AZIMUTH

Optical tracking mount Patent
 [NASA-CASE-MFS-14017] c 14 N71-26627
 Long range laser traversing system
 [NASA-CASE-GSC-11262-1] c 36 N74-21091

- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

AZINES

- Azine polymers and process for preparing the same
Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- AZO COMPOUNDS**
Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177

B**BACK INJURIES**

- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662

BACKGROUND NOISE

- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

BACKGROUND RADIATION

- Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411

BACKSCATTERING

- Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors
Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091

BACKUPS

- Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
Improved impact tolerant material
[NASA-CASE-LAR-12887-1] c 24 N84-20649

BACKWARD WAVES

- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974

BACTERIA

- Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MS-C-16260-1] c 51 N80-16714
Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569

BACTERIOLOGY

- Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677

BAFFLES

- Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331

- Anti-glare improvement for optical imaging systems
Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N84-26400

BAGS

- Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749

BAKING

- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MS-C-18934-3] c 24 N82-26387

BALANCE

- Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945

BALANCING

- Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264

BALL BEARINGS

- Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404
Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316

BALLAST (MASS)

- Life raft stabilizer
[NASA-CASE-MS-C-12393-1] c 02 N73-26006

BALLASTS (IMPEDANCES)

- Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MS-C-18407-1] c 33 N82-24427

BALLISTICS

- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310

BALLOON SOUNDING

- Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039

BALLOONS

- Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008

BALLS

- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654

BANDPASS FILTERS

- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323

- Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
Dichroic plate --- as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 35 N84-25016
Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145

BANDWIDTH

- Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

BARIUM

- Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097

BARIUM COMPOUNDS

- Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889

BARIUM FLUORIDES

- Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105

BARIUM ION CLOUDS

- Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360

BARIUM TITANATES

- Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198

BARRIER LAYERS

- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

BARRIERS

- Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145

BARS

- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

BASES (CHEMICAL)

- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047

BATTERY CHARGERS

- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531

BAYARD-ALPERT IONIZATION GAGES

- Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482

BEADS

- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618

BEAM LEADS

Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951

BEAM SPLITTERS

Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

BEAM SWITCHING

Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
Dish antenna having switchable beamwidth --- with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516
Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

BEAM WAVEGUIDES

Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

BEAMS (RADIATION)

Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118

BEAMS (SUPPORTS)

Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178

BEARING (DIRECTION)

Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265

Magnetic heading reference

[NASA-CASE-LAR-11387-2] c 04 N77-19056
Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
System for providing an integrated display of instantaneous information relative to aircraft altitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

BEARINGS

Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
Magnetic bearing --- for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574
Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
Antenna groud replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299

BEDS (PROCESS ENGINEERING)

Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901

BEER LAW

A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

BEES

Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499

BELLOWS

Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N84-25164
Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N84-33021

BELTS

Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

BENDING

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408

BENDING DIAGRAMS

Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095

BENDING FATIGUE

Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659

BENDING MOMENTS

Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353

Improved compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N84-22959

BENDING VIBRATION

Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626

BENZENE

Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
The 1 - (dialkoxyphosphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
Fire resistant polymers based on 1-((dialkoxyphosphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702

BERYLLIUM ALLOYS

Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
Thin film strain transducer
[NASA-CASE-WLDP-10055-1] c 35 N84-28015

BERYLLIUM HYDRIDES

Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

BERYLLIUM OXIDES

High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455

BIMETALS

Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

BINARY CODES

Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313

BINARY DATA

Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

BINARY DIGITS

Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778

- Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
- Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502
- Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
- Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
- High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
- A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
- Binary concatenated coding system
[NASA-CASE-MS-C-14082-1] c 60 N76-23850
- BINARY FLUIDS**
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- BINARY TO DECIMAL CONVERTERS**
- Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
- High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197
- Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691
- BINDERS (MATERIALS)**
- Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
- Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
- Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
- BINOCULARS**
- Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882
- BIOASSAY**
- Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
- Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- Method and apparatus for eliminating luminol interference maternal
[NASA-CASE-MS-C-16260-1] c 51 N80-16714
- BIODEGRADATION**
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
- BIODYNAMICS**
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- Kinesimetric method and apparatus
[NASA-CASE-MS-C-18929-1] c 39 N83-20280
- BIOELECTRIC POTENTIAL**
- Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
- Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MS-C-90153-2] c 05 N72-25120
- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- BIOELECTRICITY**
- Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- BIOENGINEERING**
- Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- Urne collection device
[NASA-CASE-MS-C-16433-1] c 52 N81-24711
- Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MS-C-18761-1] c 52 N83-27577
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
- BIOSYSTEMS**
- Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
- Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
- EEG sleep analyzer and method of operation Patent
[NASA-CASE-MS-C-13282-1] c 05 N71-24729
- Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
- Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
- Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
- Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
- Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
- Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
- Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
- Snap-in compressible biomedical electrode
[NASA-CASE-MS-C-14623-1] c 52 N77-28717
- Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- Induction powered biological radiosome
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MS-C-16777-1] c 51 N80-27067
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Logic-controlled occlusive cuff system
[NASA-CASE-MS-C-14836-1] c 52 N82-11770
- Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
- BIOLUMINESCENCE**
- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- BIOMEDICAL DATA**
- Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- BIOMETRICS**
- Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
- Compressible biomedical electrode
[NASA-CASE-MS-C-13648] c 05 N72-27103
- Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
- Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- Simultaneous muscle force and displacement transducer
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- BIOTELEMETRY**
- Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MS-C-14180-1] c 52 N76-14757
- Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- BIPOLAR TRANSISTORS**
- Voltage regulator for battery power source --- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- Hybrid power semiconductor switch
[NASA-CASE-LEW-13922-1] c 33 N84-11389
- BIREFRINGENCE**
- Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
- BISMUTH**
- Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- BISMUTH COMPOUNDS**
- Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- BISTABLE CIRCUITS**
- AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- BIT SYNCHRONIZATION**
- Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
- Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
- Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- BITERNARY CODE**
- Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- BITS**
- Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
- MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
- Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MS-C-12743-1] c 32 N79-10263
- BITUMENS**
- Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- BLACK BODY RADIATION**
- Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- BLADDER**
- Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- BLADE TIPS**
- Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264

- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
Oxidizing seal for a turbine tip gas path
[NASA-CASE-LEW-14053-1] c 37 N85-34402
- BLADES**
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- BLADES (CUTTERS)**
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- BLAST LOADS**
Linear explosive companson
[NASA-CASE-LAR-10800-1] c 33 N72-27959
- BLOOD**
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- BLOOD FLOW**
Logic-controlled occlusive cuff system
[NASA-CASE-MS-14836-1] c 52 N82-11770
- BLOOD PRESSURE**
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Apparatus and method for processing Korotkov sounds --- for blood pressure measurement
[NASA-CASE-MS-13999-1] c 52 N74-26626
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- BLOOD VESSELS**
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- BLUFF BODIES**
Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
- BLUNT BODIES**
Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
- BODIES OF REVOLUTION**
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
- BODY FLUIDS**
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- BODY KINEMATICS**
Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
Kinesimetric method and apparatus
[NASA-CASE-MS-18929-1] c 39 N83-20280
- BODY MEASUREMENT (BIOLOGY)**
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Kinesimetric method and apparatus
[NASA-CASE-MS-18929-1] c 39 N83-20280
Apparatus for determining changes in limb volume
[NASA-CASE-MS-18759-1] c 52 N83-27578
- BODY TEMPERATURE**
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- BODY VOLUME (BIOLOGY)**
Whole body measurement systems --- for weightlessness simulation
[NASA-CASE-MS-13972-1] c 52 N74-10975
Apparatus for determining changes in limb volume
[NASA-CASE-MS-18759-1] c 52 N83-27578
- BODY-WING CONFIGURATIONS**
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- BOILERS**
Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- BOLOMETERS**
Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- BOLTS**
Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N84-20859
- BONDING**
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MS-14182-1] c 27 N76-14264
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MS-18741-1] c 27 N82-29456
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 27 N84-11297
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MS-18382-2] c 27 N84-14324
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
Method for ultrasonic bonding to soft microelectronic substrates
[NASA-CASE-NPO-16087-1] c 33 N85-29151
- BONES**
Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MS-14276-1] c 52 N77-14737
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- BOOMS (EQUIPMENT)**
Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
- Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
- BOOSTER RECOVERY**
Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- BOOSTER ROCKET ENGINES**
Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
- BOOTS (FOOTWEAR)**
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- BORIDES**
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- BORING MACHINES**
Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- BORON**
Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- BORON CARBIDES**
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- BORON FIBERS**
Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385
Method for strengthening boron fibers
[NASA-CASE-LEW-13826-2] c 24 N84-24711
- BORON FLUORIDES**
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- BOROSILICATE GLASS**
Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- BOULES**
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- BOUNDARY LAYER CONTROL**
Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- BOUNDARY LAYER FLOW**
Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
- BOUNDARY LAYER SEPARATION**
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- BOUNDARY LAYER TRANSITION**
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- BOUNDARY LAYERS**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- BOXES (CONTAINERS)**
Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- BRAKETS**
Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- BRAKES (FOR ARRESTING MOTION)**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976

Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479

Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369

Moving body velocity arresting line cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601

BRAKING

Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030

Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652

Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726

BRAZING

Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471

Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311

Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443

Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365

Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125

Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126

Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455

BREATHING APPARATUS

Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051

Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900

Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799

BRICKS

Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921

BRIGHTNESS

Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479

BRIGHTNESS DISCRIMINATION

Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742

Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072

Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890

BRITTLENESS

Rock sampling --- apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068

Rock sampling --- method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

Vinyl styrylpyridines and their copolymerization with bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341

BROADBAND

Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462

Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720

Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583

Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808

High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831

Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271

Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013

Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278

Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597

Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723

BROADBAND AMPLIFIERS

Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331

Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415

BROADCASTING

Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194

BROMINATION

Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791

BROMINE

Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641

BRONZES

Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

BRUSHES

Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818

BRUSHES (ELECTRICAL CONTACTS)

Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017

BUBBLES

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

BUCKLING

Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156

Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323

BUFFER STORAGE

Data handling system based on source significance, storage availability and data received from the source Patent
[NASA-CASE-XNP-04162-1] c 08 N70-34675

Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255

Buffered analog converter
[NASA-CASE-KSC-10397] c 08 N72-25206

Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779

BUFFERS (CHEMISTRY)

Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

BUILDINGS

Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454

BULBS

External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362

BULKHEADS

Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948

BUOYANCY

Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

BURNERS

Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276

BURNING RATE

Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819

Burn rate testing apparatus
[NASA-CASE-XMS-05690] c 33 N72-25913

Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

BURNOUT

Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381

BURNS (INJURIES)

Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

BUS CONDUCTORS

Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

BUTANES

Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

BUTT JOINTS

Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860

Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924

Apparatus for welding sheet material --- butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376

BUTTERFLY VALVES

Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376

BUTYRIC ACID

Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

BY-PASSES

Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317

Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323

Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212

Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053

Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296

Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095

C**CABLE FORCE RECORDERS**

Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599

CABLES

Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512

Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540

CABLES (ROPE)

High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201

Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609

Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701

Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064

Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994

Flexible/ngidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485

Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453

Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063

Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717

Moving body velocity arresting line --- stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601

CADMIUM SULFIDES

High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088

CDS solid state phase insensitive ultrasonic transducer --- annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559

Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826

CALCIUM

Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271

CALCIUM FLUORIDES

Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400

Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105

CALCIUM OXIDES

Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162

CALCIUM PHOSPHATES

Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072

CALCULATORS

Sun angle calculator
[NASA-CASE-MSC-12617-1] c 35 N76-29552

- CALCULI**
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- CALIBRATING**
Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932
Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392
Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
Simulator scene display evaluation
[NASA-CASE-ARC-11504-1] c 09 N84-16221
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N84-25015
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
Oscillating pressure device for dynamic calibration of pressure transducers
[NASA-CASE-LAR-13094-1] c 35 N85-29217
- CALORIMETERS**
Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
- CAMERA SHUTTERS**
Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- CAMERAS**
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10688] c 14 N71-28935
Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431
- Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402
- CAMS**
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
- CANARD CONFIGURATIONS**
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086
Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231
- CANCER**
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- CANOPIES**
Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- CANS**
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- CANTILEVER BEAMS**
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- CANTILEVER MEMBERS**
Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
- CAPACITANCE**
Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
- CAPACITANCE SWITCHES**
Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
- CAPACITORS**
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
- Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716
High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
- CAPILLARY FLOW**
Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- CAPILLARY TUBES**
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
Low loss splicing method for single-mode optical fiber
[NASA-CASE-NPO-16294-1] c 74 N84-33179
- CARBAZOLES**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- CARBIDES**
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- CARBOHYDRATES**
Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- CARBON**
Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
Electrolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
Apparatus for producing diamond-like carbon flakes
[NASA-CASE-LEW-13837-3] c 31 N85-20155
Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156
Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- CARBON ARCS**
Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- CARBON COMPOUNDS**
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
- CARBON DIOXIDE**
Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
Miniature carbon dioxide sensor and methods
[NASA-CASE-MS-C-13332-1] c 14 N72-21408
Metabolic rate meter and method
[NASA-CASE-MS-C-12239-1] c 52 N79-21750
- CARBON DIOXIDE LASERS**
Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- CARBON DIOXIDE REMOVAL**
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MS-C-14771-1] c 54 N77-32722
Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MS-C-16182-1] c 54 N80-10799
- CARBON FIBER REINFORCED PLASTICS**
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- CARBON FIBERS**
Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- CARBON MONOXIDE**
Carbon monoxide monitor --- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
- CARBON-CARBON COMPOSITES**
Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- CARBONACEOUS MATERIALS**
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- CARBONATES**
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- CARBONIZATION**
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- CARBONYL COMPOUNDS**
Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- CARBORANE**
Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylchlorophosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Carboranyl(methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- CARBOXYL GROUP**
Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- CARBOXYLIC ACIDS**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Fluonated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- CARCINOGENS**
Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- CARDIAC VENTRICLES**
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- CARDIOGRAPHY**
Digital cardiostachometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- CARDIOLOGY**
Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
- CARDIOTACHOMETERS**
Digital computing cardiostachometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
- CARDIOVASCULAR SYSTEM**
G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
- CARGO**
Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294
- CARRIER FREQUENCIES**
Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- CARRIER LIFETIME**
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251
- CARRIER WAVES**
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- CARRIERS**
Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- CARTESIAN COORDINATES**
Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
- CARTRIDGES**
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
- CASCADE CONTROL**
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
- CASCADE FLOW**
Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
- Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
Degassing and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MS-C-18936-1] c 35 N83-29652
- CASE BONDED PROPELLANTS**
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- CASES (CONTAINERS)**
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
- CASSEGRAIN ANTENNAS**
Cassegrain antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- CASTING**
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- CASTINGS**
Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- CATALYSIS**
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- CATALYSTS**
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
Negative electrode catalyst for the iron-chromium REDOX energy storage system
[NASA-CASE-LEW-14028-1] c 44 N84-32909
- CATALYTIC ACTIVITY**
Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826
Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- CATHETERIZATION**
Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- CATHODE RAY TUBES**
Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571

- Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
- CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- Very high intensity light source using a cathode ray tube --- electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250
- CATHODES**
- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
- Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
- Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149
- CATIONS**
- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- CAVITATION FLOW**
- Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
- CAVITIES**
- Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
- Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
- Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MS-C-18606-1] c 32 N82-11336
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- CAVITY RESONATORS**
- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
- System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-C-12259-1] c 07 N70-12616
- Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
- Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
- System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MS-C-12259-2] c 07 N72-33146
- Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
- Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- CELESTIAL BODIES**
- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MS-C-12593-1] c 17 N76-21250
- CELESTIAL NAVIGATION**
- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797
- CELL ANODES**
- Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
- Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
- Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
- CELL DIVISION**
- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- CELLS**
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- CELLS (BIOLOGY)**
- System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- CELLULOSE**
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- CELLULOSE NITRATE**
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- CENTRAL PROCESSING UNITS**
- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- CENTRIFUGAL COMPRESSORS**
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- CENTRIFUGAL FORCE**
- Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- CENTRIFUGES**
- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
- Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
- CERAMIC BONDING**
- Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- CERAMIC COATINGS**
- Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
- Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
- Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- Two-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-1] c 27 N76-22377
- Three-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-2] c 27 N76-23426
- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
- CERAMIC NUCLEAR FUELS**
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- CERAMICS**
- Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MS-C-12619-2] c 27 N79-12221
- High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
- CEREBROSPINAL FLUID**
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- CERMETS**
- Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- Cermet composition and method of fabrication --- heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311
- High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
- High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
- Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
- Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- CESIUM**
- Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
- Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383
- CESIUM DIODES**
- Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
- Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421

- Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
- CESIUM ENGINES**
Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
- CESIUM VAPOR**
Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- CHALCOGENIDES**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- CHAMBERS**
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MRS-25791-1] c 09 N84-27749
- CHANNEL FLOW**
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Heated element fluid flow sensor Patent
[NASA-CASE-MS-C-12084-1] c 12 N71-17569
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
- CHANNELS (DATA TRANSMISSION)**
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195
High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
- CHARACTER RECOGNITION**
Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- CHARGE COUPLED DEVICES**
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N79-17134
Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- CHARGE DISTRIBUTION**
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- CHARGE EFFICIENCY**
State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
- CHARGE EXCHANGE**
Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- CHARGE TRANSFER**
Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
Process for preparing highly optically transparent-colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N85-21360
- CHARGE TRANSFER DEVICES**
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
- CHARGED PARTICLES**
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095
Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489
- CHARGING**
Synchronous orbit battery cyclers
[NASA-CASE-GSC-11211-1] c 03 N72-25020
- CHARRING**
Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
- CHASSIS**
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- CHECKOUT**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- CHELATES**
Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- CHEMICAL ANALYSIS**
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
- CHEMICAL AUXILIARY POWER UNITS**
Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
- CHEMICAL BONDS**
Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- CHEMICAL COMPOSITION**
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Non-toxic inert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- CHEMICAL COMPOUNDS**
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- CHEMICAL ELEMENTS**
Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- CHEMICAL ENGINEERING**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
- CHEMICAL EXPLOSIONS**
Hypervelocity atomic gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- CHEMICAL MACHINING**
Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033
- CHEMICAL PROPERTIES**
Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- CHEMICAL REACTIONS**
Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4,5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235
Synthesis of polymeric Schiff bases by Schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Metal containing polymers from cyclic tetrameric phenylphosphonitriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
Firefly pump-meteng system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Self-cycling fluid heater
[NASA-CASE-MS-C-15567-1] c 33 N73-16918
Method of forming difunctional polysobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
Polyurethanes from fluoroalkyl propylene glycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812

Intumescent composition, foamed product prepared therewith and process for making same
 [NASA-CASE-ARC-10304-2] c 27 N74-27037

Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
 [NASA-CASE-LAR-11144-1] c 25 N75-26043

Utilization of oxygen difluoride for syntheses of fluoropolymers
 [NASA-CASE-NPO-12061-1] c 27 N76-16228

Method for detecting pollutants --- through chemical reactions and heat treatment
 [NASA-CASE-LAR-11405-1] c 45 N76-31714

Process for preparing higher oxides of the alkali and alkaline earth metals
 [NASA-CASE-ARC-10992-1] c 26 N78-32229

Method for preparing addition type polyimide prepreps
 [NASA-CASE-LAR-12054-2] c 27 N81-14078

The 1,1,1-traryl-2,2,2-trifluoroethanes and process for their synthesis
 [NASA-CASE-ARC-11097-1] c 25 N82-24312

Preparation of perfluorinated 1,2,4-oxadiazoles
 [NASA-CASE-ARC-11267-2] c 23 N82-28353

Sulfone-ester polymers containing pendent ethynyl groups
 [NASA-CASE-LAR-13316-1] c 27 N84-28987

Process for producing trns s(n-methylamino) methylsilane
 [NASA-CASE-MFS-25721-1] c 25 N85-21280

Chemical approach for controlling nadimide cure temperature and rate
 [NASA-CASE-LEW-13770-5] c 27 N85-21352

Fire-resistant phosphorus containing polyimides and copolyimides
 [NASA-CASE-ARC-11522-2] c 27 N85-34280

CHEMICAL REACTORS

Chemical vapor deposition reactor --- providing uniform film thickness
 [NASA-CASE-NPO-13650-1] c 25 N79-28253

Sodium storage and injection system
 [NASA-CASE-NPO-14384-1] c 37 N80-10494

Method of producing silicon --- gas phase reactor multiple injector liquid feed system
 [NASA-CASE-NPO-14382-1] c 31 N80-18231

Fluidized bed coal combustion reactor
 [NASA-CASE-NPO-14273-1] c 25 N82-11144

Solar heated fluidized bed gasification system
 [NASA-CASE-NPO-15071-1] c 44 N82-16475

Thermal reactor --- liquid silicon production from silane gas
 [NASA-CASE-NPO-14369-1] c 44 N83-10501

Pressure letdown method and device for coal conversion systems
 [NASA-CASE-NPO-15100-1] c 44 N84-14583

Solar-heated oil shale retort
 [NASA-CASE-NPO-16392-1] c 44 N84-32912

Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
 [NASA-CASE-NPO-15851-1] c 37 N85-21652

CHEMICAL TESTS

Nondestructive spot test method for titanium and titanium alloys
 [NASA-CASE-LAR-10539-1] c 17 N73-12547

Nondestructive spot test method for magnesium and magnesium alloys
 [NASA-CASE-LAR-10953-1] c 17 N73-27446

Chemical approach for controlling nadimide cure temperature and rate
 [NASA-CASE-LEW-13770-6] c 25 N85-30039

CHEMILUMINESCENCE

Method and apparatus for eliminating luminol interference material
 [NASA-CASE-MS-C-16260-1] c 51 N80-16714

CHEMOTHERAPY

Indomethacin-anthistamine combination for gastric ulceration control
 [NASA-CASE-ARC-11118-2] c 52 N81-14613

CHIPS (ELECTRONICS)

Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
 [NASA-CASE-NPO-15227-1] c 37 N81-33482

Liquid immersion apparatus for minute articles
 [NASA-CASE-MFS-25363-1] c 37 N82-12441

CHIRP SIGNALS

Method for shaping and aiming narrow beams --- sonar mapping and target identification
 [NASA-CASE-NPO-14632-1] c 32 N82-18443

CHLORINATION

Specialized halogen generator for purification of water
 Patent
 [NASA-CASE-XLA-08913] c 14 N71-28933

Coal desulfurization by aqueous chlorination
 [NASA-CASE-NPO-14902-1] c 25 N82-29371

Hydrodesulfurization of chlorinized coal
 [NASA-CASE-NPO-15304-1] c 25 N83-31743

CHLORINE

Fluidized bed desulfurization
 [NASA-CASE-NPO-15924-1] c 25 N85-35253

CHLOROPRENE RESINS

Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
 [NASA-CASE-ARC-10180-1] c 27 N74-12814

CHOKES

Current dependent filter inductance
 [NASA-CASE-ERC-10139] c 09 N72-17154

CHOKES (RESTRICTIONS)

Variably positioned guide vanes for aerodynamic choking
 [NASA-CASE-LAR-10642-1] c 07 N74-31270

CHOLESTEROL

Reduction of blood serum cholesterol
 [NASA-CASE-NPO-12119-1] c 52 N75-15270

CHROMATOGRAPHY

Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
 [NASA-CASE-ARC-10633-1] c 25 N74-26947

Modulated voltage metastable ionization detector
 [NASA-CASE-ARC-11503-1] c 35 N85-34374

CHROMIUM

Selective coating for solar panels --- using black chrome and black nickel
 [NASA-CASE-LEW-12159-1] c 44 N78-19599

Efficiency of silicon solar cells containing chromium
 [NASA-CASE-NPO-15179-1] c 44 N82-26777

Negative electrode catalyst for the iron-chromium REDOX energy storage system
 [NASA-CASE-LEW-14028-1] c 44 N84-32909

Process for improving moisture resistance of epoxy resins by addition of chromium ions
 [NASA-CASE-LAR-13226-1] c 27 N85-34282

CHROMIUM ALLOYS

Method of heat treating age-hardenable alloys
 [NASA-CASE-XNP-01311] c 26 N75-29236

Nical ternary alloy having improved cyclic oxidation resistance
 [NASA-CASE-LEW-13339-1] c 26 N82-31505

CHROMIUM COMPOUNDS

Chromium electrodes for REDOX cells
 [NASA-CASE-LEW-13653-1] c 44 N84-28205

CHROMOSOMES

Automated clinical system for chromosome analysis
 [NASA-CASE-NPO-13913-1] c 52 N79-12694

CINEMATOGRAPHY

High speed photo-optical time recording
 [NASA-CASE-KSC-10294] c 14 N72-18411

Holographic motion picture camera with Doppler shift compensation
 [NASA-CASE-MFS-22517-1] c 35 N76-18402

CIRCUIT BOARDS

Electrical feed-through connection for printed circuit boards and printed cable
 [NASA-CASE-XMF-01483] c 14 N69-27431

Printed cable connector Patent
 [NASA-CASE-XMF-00369] c 09 N70-36494

Printed circuit board with bellows rivet connection Patent
 [NASA-CASE-XNP-05082] c 15 N70-41960

Electrical spot terminal assembly Patent
 [NASA-CASE-NPO-10034] c 15 N71-17685

Polyimide resin-fiberglass cloth laminates for printed circuit boards
 [NASA-CASE-MFS-20408] c 18 N73-12604

Circuit board package with wedge shaped covers
 [NASA-CASE-MFS-21919-1] c 10 N73-25243

Tool for use in lifting pin supported objects
 [NASA-CASE-NPO-13157-1] c 37 N74-32918

Shock absorbing mount for electrical components
 [NASA-CASE-NPO-13253-1] c 37 N75-18573

Connector --- for connecting circuits on different layers of multilayer printed circuit boards
 [NASA-CASE-LAR-11709-1] c 37 N76-27567

Traveling wave tube circuit
 [NASA-CASE-LEW-12013-1] c 33 N79-10339

High stability amplifier
 [NASA-CASE-GSC-12646-1] c 33 N83-34191

Beam forming network
 [NASA-CASE-NPO-15743-1] c 32 N85-29118

CIRCUIT BREAKERS

Mercury capillary interrupter Patent
 [NASA-CASE-XNP-02251] c 12 N71-20896

Diode and protection fuse unit Patent
 [NASA-CASE-XKS-03381] c 09 N71-22796

Separation simulator Patent
 [NASA-CASE-XKS-04631] c 10 N71-23663

Detenting servomotor Patent
 [NASA-CASE-XNP-06936] c 15 N71-24695

Circuit breaker utilizing magnetic latching relays Patent
 [NASA-CASE-MS-C-11277] c 09 N71-29008

Multiple circuit protector device
 [NASA-CASE-XMS-02744] c 33 N75-27249

Solar concentrator protective system
 [NASA-CASE-NPO-15662-1] c 44 N84-28204

CIRCUIT DIAGRAMS

Excitation and detection circuitry for a flux responsive magnetic head
 [NASA-CASE-XNP-04183] c 09 N69-24329

Signal multiplexer
 [NASA-CASE-XGS-01110] c 07 N69-24334

Ring counter
 [NASA-CASE-XGS-03095] c 09 N69-27463

Solid state switch
 [NASA-CASE-XNP-09228] c 09 N69-27500

Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
 [NASA-CASE-XGS-00381] c 09 N70-34819

Frequency shift keyed demodulator Patent
 [NASA-CASE-XGS-02889] c 07 N71-11282

Difference circuit Patent
 [NASA-CASE-XNP-08274] c 10 N71-13537

High voltage transistor circuit Patent
 [NASA-CASE-XNP-06937] c 09 N71-19516

Weld control system using thermocouple wire Patent
 [NASA-CASE-MFS-06074] c 15 N71-20393

Correlation function apparatus Patent
 [NASA-CASE-XNP-00746] c 07 N71-21476

Diode and protection fuse unit Patent
 [NASA-CASE-XKS-03381] c 09 N71-22796

Buck boost voltage regulation circuit Patent
 [NASA-CASE-GSC-10735-1] c 10 N71-26085

Active RC networks
 [NASA-CASE-ARC-10042-2] c 10 N72-11256

Microcircuit negative cutter
 [NASA-CASE-XLA-09843] c 15 N72-27485

Self-regulating proportionally controlled heating apparatus and technique
 [NASA-CASE-GSC-11752-1] c 77 N75-20140

Symmetrical odd-modulus frequency divider
 [NASA-CASE-NPO-13426-1] c 33 N75-31330

Trielectrode capacitive pressure transducer
 [NASA-CASE-ARC-10711-2] c 33 N76-21390

Frequency discriminator and phase detector circuit
 [NASA-CASE-NPO-11515-1] c 33 N77-13315

CIRCUIT PROTECTION

Protection for energy conversion systems
 [NASA-CASE-XGS-04808] c 03 N69-25146

Protective circuit of the spark gap type
 [NASA-CASE-XAC-08981] c 09 N69-39897

Electrical load protection device Patent
 [NASA-CASE-MS-C-12135-1] c 09 N71-12526

Apparatus for overcurrent protection of a push-pull amplifier Patent
 [NASA-CASE-MS-C-12033-1] c 09 N71-13531

Method of coating circuit paths on printed circuit boards with solder Patent
 [NASA-CASE-XMF-01599] c 09 N71-20705

Power supply circuit Patent
 [NASA-CASE-XMS-00913] c 10 N71-23543

Selective plating of etched circuits without removing previous plating Patent
 [NASA-CASE-XGS-03120] c 15 N71-24047

Failure sensing and protection circuit for converter networks Patent
 [NASA-CASE-GSC-10114-1] c 10 N71-27366

Power responsive overload sensing circuit Patent
 [NASA-CASE-GSC-10667-1] c 10 N71-33129

Saturation current protection apparatus for saturable core transformers
 [NASA-CASE-ERC-10075-2] c 09 N72-22196

Electrical insulating layer process
 [NASA-CASE-LEW-10489-1] c 15 N72-25447

Phase protection system for ac power lines
 [NASA-CASE-MS-C-17832-1] c 33 N74-14956

Overvoltage protection network
 [NASA-CASE-ARC-10197-1] c 33 N74-17929

Shock absorbing mount for electrical components
 [NASA-CASE-NPO-13253-1] c 37 N75-18573

Multiple circuit protector device
 [NASA-CASE-XMS-02744] c 33 N75-27249

Multi-cell battery protection system
 [NASA-CASE-LEW-12039-1] c 44 N78-14625

Fused switch
 [NASA-CASE-XMS-01244-1] c 33 N79-33393

Base drive for paralleled inverter systems
 [NASA-CASE-NPO-14163-1] c 33 N81-14220

Shielded conductor cable system
 [NASA-CASE-MS-C-12745-1] c 33 N81-27397

Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
 [NASA-CASE-NPO-14316-1] c 33 N81-33404

CIRCUIT RELIABILITY

Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
 [NASA-CASE-NPO-16021-1] c 33 N85-30187

CIRCUITS

- Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
- Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
- Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
- Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
- Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
- Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
- Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
- Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
- Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
- Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
- Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
- Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11981-1] c 54 N75-13531
- Peak holding circuit for extremely narrow pulses
[NASA-CASE-MS-C-14129-1] c 33 N75-18479
- High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
- Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974
- Measurement amplifier
[NASA-CASE-MFS-25868-1] c 33 N84-32680
- Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MS-C-20187-1] c 33 N85-20249
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N85-30201
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- CIRCULAR CONES**
Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- CIRCULAR CYLINDERS**
Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- CIRCULAR POLARIZATION**
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- CIRCULAR TUBES**
Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- CIRCULATION CONTROL AIRFOILS**
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- CIRCULATORS (PHASE SHIFT CIRCUITS)**
Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- CLAMPING CIRCUITS**
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- CLAMPS**
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560
- Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- CLAYS**
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- CLEAN ROOMS**
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- CLEANERS**
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- CLEANING**
Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
- System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- CLEAR AIR TURBULENCE**
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- CLEARANCES**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- CLEAVAGE**
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083
- CLIMBING FLIGHT**
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- CLINICAL MEDICINE**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
- Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- CLIPS**
Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- CLOCKS**
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MS-C-12531-1] c 35 N75-30504
- Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- CLOSED CIRCUIT TELEVISION**
Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MS-C-12559-1] c 18 N76-14186
- CLOSED CYCLES**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
- Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- CLOSED ECOLOGICAL SYSTEMS**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750
- Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MS-C-14771-1] c 54 N77-32722
- Cell and method for electrolysis of water and anode
[NASA-CASE-MS-C-16394-1] c 28 N81-24280
- CLOSTRIDIUM BOTULINUM**
Production of botulin by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- CLOSURES**
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- CLOUD CHAMBERS**
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- CLOUD COVER**
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- CLOUDS (METEOROLOGY)**
Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- CLUTCHES**
Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- Non-backdrivable free wheeling coupling
[NASA-CASE-MS-C-20475-1] c 37 N85-29290
- CLUTTER**
Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- CMOS**
Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- COAL**
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- COAL GASIFICATION**
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
- COAL LIQUEFACTION**
- Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
- COAL UTILIZATION**
- Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- COATING**
- Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- COATINGS**
- Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- COAXIAL CABLES**
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
- COAXIAL PLASMA ACCELERATORS**
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- COBALT**
- Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
- Metal (2,4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- COBALT ALLOYS**
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- Cobalt-base alloy Patent
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- COBALT OXIDES**
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- COCKPIT SIMULATORS**
- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- COCKPITS**
- Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- CODERS**
- Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- CODING**
- Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
- Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
- Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- COEFFICIENT OF FRICTION**
- Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- COENZYMES**
- Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- COHERENT ELECTROMAGNETIC RADIATION**
- Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- COHERENT LIGHT**
- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- COHERENT RADIATION**
- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- COINCIDENCE CIRCUITS**
- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
- COLD CATHODES**
- Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- COLD GAS**
- Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- COLD WELDING**
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- COLD WORKING**
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- COLLAPSE**
- Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
- COLLECTION**
- Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N78-27750
- Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- COLLIMATION**
- Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- COLLIMATORS**
- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
- Multiplate focusing collimator --- for scanning small near radiation sources
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
- COLLISION AVOIDANCE**
- Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766
- Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
- Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132
- COLLOIDAL GENERATORS**
- Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- COLLOIDAL PROPELLANTS**
- Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124

- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- COLLOIDS**
The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- COLOR**
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- COLOR PHOTOGRAPHY**
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- COLOR TELEVISION**
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
Color television system
[NASA-CASE-MS-12146-1] c 07 N72-17109
Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
System for producing chroma signals
[NASA-CASE-MS-14683-1] c 74 N77-18893
Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- COLOR VISION**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- COLUMNS**
Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
- COLUMNS (PROCESS ENGINEERING)**
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- COLUMNS (SUPPORTS)**
Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
Latching mechanism for deployable-restowable columns
[NASA-CASE-LAR-13169-1] c 37 N84-25063
- COMBINATORIAL ANALYSIS**
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- COMBUSTION**
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
- COMBUSTION CHAMBERS**
Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- Combustor --- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
Heat exchanger --- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- COMBUSTION CONTROL**
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
- COMBUSTION EFFICIENCY**
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
- COMBUSTION PHYSICS**
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
- COMBUSTION PRODUCTS**
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
Combustor --- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
- COMBUSTION STABILITY**
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
- COMET TAILS**
Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- COMFORT**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- COMMAND AND CONTROL**
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779
- COMMAND MODULES**
Low onset rate energy absorber
[NASA-CASE-MS-12279] c 15 N72-17450
- COMMUNICATING**
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
- COMMUNICATION**
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MS-12259-2] c 07 N72-33146
- COMMUNICATION CABLES**
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N84-29085
- COMMUNICATION EQUIPMENT**
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Differential phase shift keyed communication system
[NASA-CASE-MS-14065-1] c 32 N74-26654
- COMMUNICATION SATELLITES**
Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- COMMUTATION**
High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- COMMUTATORS**
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
- COMPARATOR CIRCUITS**
Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
- COMPARATORS**
Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
Comparator with noise suppression
[NASA-CASE-LAR-13151-1] c 33 N85-20247
- COMPENSATORS**
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
- COMPLEX COMPOUNDS**
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
- COMPOSITE MATERIALS**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124

- Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
- Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
- Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
- Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
- Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
- Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
- Bearing material --- composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309
- Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
- Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
- Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
- Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- Pre-stressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 16 N84-22601
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
- Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- COMPOSITE PROPELLANTS**
- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- COMPOSITE STRUCTURES**
- Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
- Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
- Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
- Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
- Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N84-20859
- Light weight fire resistant graphite composites
[NASA-CASE-ARC-11615-1-SB] c 24 N85-28976
- COMPOSITION (PROPERTY)**
- Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393
- COMPRESSED AIR**
- Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- COMPRESSIBILITY**
- Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- COMPRESSIBLE FLUIDS**
- Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- COMPRESSING**
- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124
- COMPRESSION LOADS**
- Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- COMPRESSION RATIO**
- Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483
- COMPRESSION TESTS**
- Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312
- COMPRESSOR BLADES**
- Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- COMPRESSOR ROTORS**
- Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- COMPRESSORS**
- Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- Magetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- COMPUTATION**
- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031
- COMPUTER COMPONENTS**
- Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691
- Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- COMPUTER DESIGN**
- Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
- Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
- Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- COMPUTER GRAPHICS**
- System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164
- COMPUTER NETWORKS**
- High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
- Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779
- Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- COMPUTER PROGRAMMING**
- Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- Priority interrupt system --- comprised of four registers
[NASA-CASE-NPO-13067-1] c 60 N76-18800
- COMPUTER PROGRAMS**
- Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
- Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
- Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
- COMPUTER STORAGE DEVICES**
- Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
- Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
- Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
- Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
- Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
- Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
- Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914
- Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701
- COMPUTER SYSTEMS DESIGN**
- Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721
- COMPUTER TECHNIQUES**
- Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

COMPUTERIZED SIMULATION

Integrated time shared instrumentation display Patent
 [NASA-CASE-XLA-01952] c 08 N71-12507
 Microcomputerized electric field meter diagnostic and calibration system
 [NASA-CASE-KSC-11035-1] c 35 N78-28411
 Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
 [NASA-CASE-MFS-23052-2] c 74 N79-13855
 Method and apparatus for transfer function simulator for testing complex systems
 [NASA-CASE-NPO-15696-1] c 33 N85-34333

COMPUTERS

Telemetry word forming unit
 [NASA-CASE-XNP-09225] c 09 N69-24333
 Data compression processor Patent
 [NASA-CASE-NPO-10068] c 08 N71-19288
 Communications link for computers
 [NASA-CASE-NPO-11161] c 08 N72-25207
 Auto covariance computer
 [NASA-CASE-LAR-12968-1] c 35 N83-34273
 Digital interface for bi-directional communication between a computer and a peripheral device
 [NASA-CASE-MSC-20258-1] c 60 N84-28492
 Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
 [NASA-CASE-NPO-15865-1] c 74 N85-34629

CONCAVITY

Concave grating spectrometer Patent
 [NASA-CASE-XGS-01036] c 14 N70-40003

CONCENTRATORS

Device for directionally controlling electromagnetic radiation Patent
 [NASA-CASE-XLE-01716] c 09 N70-40234
 Thermostatically controlled non-tracking type solar energy concentrator
 [NASA-CASE-NPO-13497-1] c 44 N76-14602
 Three-dimensional tracking solar energy concentrator and method for making same
 [NASA-CASE-NPO-13736-1] c 44 N77-32583
 Non-tracking solar energy collector system
 [NASA-CASE-NPO-13817-1] c 44 N79-11471
 Solar cell module
 [NASA-CASE-NPO-14467-1] c 44 N79-31753
 Solar concentrator
 [NASA-CASE-MFS-23727-1] c 44 N80-14473
 Solar energy receiver for a Stirling engine
 [NASA-CASE-NPO-14619-1] c 44 N81-17518
 Nebulization reflux concentrator
 [NASA-CASE-LAR-13254-1] c 31 N85-20154

CONCENTRIC CYLINDERS

Flow resistivity instrument
 [NASA-CASE-LAR-13053-1] c 43 N83-29783

CONCENTRIC SPHERES

Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
 [NASA-CASE-NPO-14596-1] c 31 N81-33319
 Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
 [NASA-CASE-NPO-14596-3] c 31 N83-31896

CONDENSATES

Apparatus for testing polymeric materials Patent
 [NASA-CASE-XNP-09699] c 06 N71-24607
 Condensate removal device for heat exchanger
 [NASA-CASE-MSC-14143-1] c 77 N75-20139

CONDENSERS (LIQUEFIERS)

Condenser - Separator
 [NASA-CASE-XLA-08645] c 15 N69-21465
 Condensate removal device for heat exchanger
 [NASA-CASE-MSC-14143-1] c 77 N75-20139

CONDENSING

Preparation of heterocyclic block copolymer omega-diamidoximes
 [NASA-CASE-ARC-11060-1] c 27 N79-22300

CONDUCTING FLUIDS

Multiducted electromagnetic pump Patent
 [NASA-CASE-NPO-10755] c 15 N71-27084
 Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
 [NASA-CASE-MFS-19193-1] c 37 N75-19686

CONDUCTIVE HEAT TRANSFER

Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
 [NASA-CASE-XLE-00266] c 14 N70-34156
 Space suit heat exchanger Patent
 [NASA-CASE-XMS-09571] c 05 N71-19439
 Compact pulsed laser having improved heat conductance
 [NASA-CASE-NPO-13147-1] c 36 N77-25502
 Automatic thermal switch
 [NASA-CASE-GSC-12415-1] c 33 N82-24419

CONDUCTORS

Extensible cable support Patent
 [NASA-CASE-XMF-07587] c 15 N71-18701

Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
 [NASA-CASE-LAR-10994-1] c 24 N75-13032

CONES

Conically shaped cavity radiometer with a dual purpose cone winding Patent
 [NASA-CASE-XNP-09701] c 14 N71-26475

CONFINEMENT

Observation window for a gas confining chamber
 [NASA-CASE-NPO-10890] c 11 N73-12265

CONICAL BODIES

Conical valve plug Patent
 [NASA-CASE-XLE-00715] c 15 N70-34859
 Conical reflector antenna
 [NASA-CASE-NPO-10303] c 07 N72-22127
 Multiple reflection conical microwave antenna
 [NASA-CASE-NPO-11661] c 07 N73-14130

CONICAL SCANNING

Conical scan tracking system employing a large antenna
 [NASA-CASE-NPO-14009-1] c 32 N79-13214

CONICAL SHELLS

Device for determining the accuracy of the flare on a flared tube
 [NASA-CASE-XKS-03495] c 14 N69-39785
 Foldable solar concentrator Patent
 [NASA-CASE-XLA-04622] c 03 N70-41580
 Apparatus for machining geometric cones Patent
 [NASA-CASE-XMS-04292] c 15 N71-22722

CONJUGATES

Phase conjugation method and apparatus for an active retrodirective antenna array
 [NASA-CASE-NPO-13641-1] c 32 N79-24210

CONNECTORS

Connector strips-positive, negative and T tabs
 [NASA-CASE-XGS-01395] c 03 N69-21539
 Quick release connector Patent
 [NASA-CASE-XLA-01141] c 15 N71-13789
 Flared tube strainer
 [NASA-CASE-XLA-05056] c 15 N72-11389
 Process for making RF shielded cable connector assemblies and the products formed thereby
 [NASA-CASE-GSC-11215-1] c 09 N73-28083
 Low heat leak connector for cryogenic system
 [NASA-CASE-XLE-02367-1] c 31 N79-21225
 Clamp-mount device
 [NASA-CASE-MFS-25510-1] c 37 N84-16560
 Apparatus for releasably connecting first and second objects in predetermined space relationship
 [NASA-CASE-MSC-18969-1] c 18 N84-22605
 Connection system --- insuring against loss of a tool component without using multiple tethers
 [NASA-CASE-MSC-20319-1] c 37 N85-21649

CONSCIOUSNESS

EEG sleep analyzer and method of operation Patent
 [NASA-CASE-MSC-13282-1] c 05 N71-24729

CONSISTENCY

Constant-output atomizer --- Inhalation therapy and aerosol research
 [NASA-CASE-MFS-25631-1] c 34 N84-12406

CONSOLES

Telephone multiline signaling using common signal pair
 [NASA-CASE-KSC-11023-1] c 32 N79-23310

CONSTANTS

Spring operated accelerator and constant force spring mechanism therefor
 [NASA-CASE-ARC-10898-1] c 35 N77-18417

CONSTRAINTS

Passive caging mechanism Patent
 [NASA-CASE-GSC-10306-1] c 15 N71-24694
 Cable restraint
 [NASA-CASE-LAR-10129-1] c 15 N73-25512
 Restraint system for ergometer
 [NASA-CASE-MFS-21046-1] c 14 N73-27377
 Reefing system
 [NASA-CASE-LAR-10129-2] c 37 N74-20063
 Restraint mechanism
 [NASA-CASE-MSC-13054] c 54 N78-17677
 Spine immobilization apparatus
 [NASA-CASE-ARC-11167-1] c 52 N81-25662

CONSTRUCTION MATERIALS

Foldable construction block
 [NASA-CASE-MSC-12233-1] c 15 N72-25454
 Foldable construction block
 [NASA-CASE-MSC-12233-2] c 32 N73-13921

CONTACT POTENTIALS

Ionospheric battery Patent
 [NASA-CASE-XGS-01593] c 03 N70-35408

CONTAINERLESS MELTS

Method of crystallization --- in gravity-free environments
 [NASA-CASE-MFS-23001-1] c 76 N77-32919
 Production of ultrapure amorphous metals utilizing acoustic cooling
 [NASA-CASE-NPO-15658-1] c 26 N83-19890

Gas levitator having fixed levitation node for containerless processing
 [NASA-CASE-MFS-25509-1] c 35 N83-24828
 Method and apparatus for supercooling and solidifying substances
 [NASA-CASE-MFS-25242-1] c 35 N83-29650

CONTAINERS

Fluid containers and resealable septum therefor Patent
 [NASA-CASE-NPO-10123] c 15 N71-24835
 Method for detecting leaks in hermetically sealed containers Patent
 [NASA-CASE-ERC-10045] c 15 N71-24910
 Apparatus for detecting the amount of material in a resonant cavity container Patent
 [NASA-CASE-XNP-02500] c 18 N71-27397

CONTAINMENT

Hemispherical latching apparatus
 [NASA-CASE-MFS-25837-1] c 18 N85-29991

CONTAMINANTS

Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
 [NASA-CASE-XMS-01905] c 12 N71-21089
 Method and apparatus for mapping the distribution of chemical elements in an extended medium
 [NASA-CASE-GSC-12808-1] c 25 N85-21279

CONTAMINATION

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
 [NASA-CASE-XMF-02039] c 15 N71-15871

CONTAMINATION

Separation nut Patent
 [NASA-CASE-XGS-01971] c 15 N71-15922
 Gas liquefaction and dispensing apparatus Patent
 [NASA-CASE-NPO-10070] c 15 N71-27372
 Bacterial contamination monitor
 [NASA-CASE-GSC-10879-1] c 14 N72-25413
 Biocontamination and particulate detection system
 [NASA-CASE-NPO-13953-1] c 35 N79-28527

CONTINUOUS RADIATION

CW ultrasonic bolt tensioning monitor
 [NASA-CASE-LAR-12016-1] c 39 N78-15512
 Pseudo continuous wave instrument --- ultrasonics
 [NASA-CASE-LAR-12260-1] c 35 N79-10390
 Low-frequency radio navigation system
 [NASA-CASE-NPO-15264-1] c 04 N84-27713

CONTINUOUS WAVE LASERS

High power laser apparatus and system
 [NASA-CASE-XLE-2529-2] c 36 N75-27364
 Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
 [NASA-CASE-XNP-04167-3] c 36 N77-19416
 Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
 [NASA-CASE-NPO-15102-1] c 25 N81-25159
 Coherently pulsed laser source
 [NASA-CASE-NPO-15111-1] c 36 N82-29589
 Spectrophone stabilized laser with line center offset frequency control
 [NASA-CASE-NPO-15516-1] c 36 N84-22943

CONTINUOUS WAVE RADAR

Phase-locked loop with sideband rejecting properties Patent
 [NASA-CASE-XNP-02723] c 07 N70-41680
 FM/CW radar system
 [NASA-CASE-MFS-22234-1] c 32 N79-10264

CONTOURS

Contour surveying system Patent
 [NASA-CASE-XLA-08646] c 14 N71-17586
 Contourograph system for monitoring electrocardiograms
 [NASA-CASE-MSC-13407-1] c 10 N72-20225
 Variable contour securing system
 [NASA-CASE-MSC-16270-1] c 37 N78-27423
 Device for measuring the contour of a surface
 [NASA-CASE-LAR-11869-1] c 74 N78-27904
 Contour detector and data acquisition system for the left ventricular outline
 [NASA-CASE-ARC-10985-1] c 52 N79-10724
 Contour measurement system
 [NASA-CASE-MFS-23726-1] c 43 N79-26439
 Cork-resin ablative insulation for complex surfaces and method for applying the same
 [NASA-CASE-MFS-23626-1] c 24 N80-26388
 Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
 [NASA-CASE-MSC-18422-1] c 37 N82-16408
 Method and apparatus for contour mapping using synthetic aperture radar
 [NASA-CASE-NPO-15939-1] c 43 N83-20324

CONTROL

Dual latching solenoid valve Patent
 [NASA-CASE-XMS-05890] c 09 N71-23191
 Apparatus for testing a pressure responsive instrument Patent
 [NASA-CASE-XMF-04134] c 14 N71-23755

- Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
- Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- CONTROL BOARDS**
- Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
- CONTROL DATA (COMPUTERS)**
- Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721
- CONTROL EQUIPMENT**
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
- Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
- Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741
- System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150
- Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
- Synchronous orbit battery cyclor
[NASA-CASE-GSC-11211-1] c 03 N72-25020
- Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
- Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
- Digital controller for a Baum folding machine --- providing automatic counting and machine shutoff
[NASA-CASE-LAR-10688-1] c 37 N74-21056
- Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065
- Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
- Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
- Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N84-11501
- Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
- CONTROL ROCKETS**
- Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- CONTROL RODS**
- Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
- CONTROL SIMULATION**
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- CONTROL STABILITY**
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- CONTROL SURFACES**
- Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
- Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- CONTROL SYSTEMS DESIGN**
- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403
- CONTROL UNITS (COMPUTERS)**
- Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
- CONTROL VALVES**
- Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
- Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
- Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
- Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
- Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
- Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
- Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
- Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- Slow opening valve --- valve design for shuttle portable oxygen system
[NASA-CASE-MSC-20112-1] c 37 N85-20338
- CONTROLLED ATMOSPHERES**
- Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
- High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
- Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- CONTROLLERS**
- Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
- Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
- Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- CONVECTION**
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- CONVECTIVE FLOW**
- Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- CONVECTIVE HEAT TRANSFER**
- Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
- CONVERGENCE**
- Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
- CONVERGENT NOZZLES**
- Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- CONVERGENT-DIVERGENT NOZZLES**
- Gimbaled, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
- Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
- CONVERTERS**
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
- CONVEYORS**
- System and method for refurbishing and processing parachutes --- monoral conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073
- Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
- Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- COOLANTS**
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- COOLERS**
- Stirling cycle cryogenic cooler --- magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312
- COOLING**
- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
- Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- COOLING SYSTEMS**
- Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467
- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
- Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
- Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053

- Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237
- Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Heat exchanger --- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- Radiative cooler --- spacecraft radiators
[NASA-CASE-NPO-15465-1] c 34 N84-22903
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
- Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433
- COORDINATES**
- Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- COPOLYMERIZATION**
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885
- Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- COPOLYMERS**
- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-C-14903-3] c 27 N80-24438
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- COPPER**
- Method of etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Metal (2) 4,4',4'',4''' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- COPPER ALLOYS**
- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
- COPPER COMPOUNDS**
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- COPPER FLUORIDES**
- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- COPPER OXIDES**
- Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156
- CORDAGE**
- Method of forming a root cord restrained convolute section
[NASA-CASE-MS-C-12398] c 05 N72-20098
- CORE STORAGE**
- Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
- CORES**
- Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
- Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- CORK (MATERIALS)**
- Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- CORRECTION**
- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- CORRELATION**
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- CORRELATION DETECTION**
- Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
- CORRELATORS**
- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
- CORROSION**
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- CORROSION PREVENTION**
- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
- Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
- Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions --- by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N84-20670
- Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N85-20129
- CORROSION RESISTANCE**
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- CORRUGATED PLATES**
- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- CORRUGATING**
- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
- COSINE SERIES**
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
- Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- COSMIC DUST**
- Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
- Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
- Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
- Cosmic dust analyzer
[NASA-CASE-MS-C-13802-2] c 35 N76-15431
- COST ANALYSIS**
- Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
- COST EFFECTIVENESS**
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- COUCHES**
- Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- Energy absorbing structure Patent Application
[NASA-CASE-MS-C-12279-1] c 15 N70-35679
- Articulated multiple couch assembly Patent
[NASA-CASE-MS-C-11253] c 05 N71-12343
- Collapsible Apollo couch
[NASA-CASE-MS-C-13140] c 05 N72-11085
- COULOMETERS**
- Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719

- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
- COUNTERS**
- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- COUNTING CIRCUITS**
- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
- Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MS-14649-1] c 33 N76-16331
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- COUPLING**
- Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
- Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
- Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660
- COUPLING CIRCUITS**
- Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- Phase modulator Patent
[NASA-CASE-MS-13201-1] c 07 N71-28429
- Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Automatic quadrature control and measuring system --- using optical coupling circuitry
[NASA-CASE-MFS-21660-1] c 35 N74-21017
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- COUPLINGS**
- Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
- Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
- Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41679
- Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
- Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
- Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
- Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
- Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
- Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Reusable captive blind fastener
[NASA-CASE-MS-18742-1] c 37 N82-26673
- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MS-18969-1] c 18 N84-22605
- Tube coupling device
[NASA-CASE-MFS-25964-1] c 37 N85-20378
- Connection system --- insuring against loss of a tool component without using multiple tethers
[NASA-CASE-MS-20319-1] c 37 N85-21649
- Non-backdrivable free wheeling coupling
[NASA-CASE-MS-20475-1] c 37 N85-29290
- COVARIANCE**
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273
- COVERINGS**
- Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
- COWLINGS**
- Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- CRACKING (FRACTURING)**
- Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
- CRASH LANDING**
- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140
- CREEP RUPTURE STRENGTH**
- Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
- CREEP TESTS**
- Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- CRITICAL EXPERIMENTS**
- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- CRITICAL LOADING**
- Portable 90 deg proof loading device
[NASA-CASE-MS-20250-1] c 37 N83-29707
- CRITICAL TEMPERATURE**
- Stable superconducting magnet --- high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264
- CROSS CORRELATION**
- Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846
- CROSS FLOW**
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- CROSS POLARIZATION**
- Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- CROSS SECTIONS**
- Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 36 N84-15537
- CROSSED FIELDS**
- Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
- Crossed-field MHD plasma generator/accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
- CROSSLINKING**
- Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
- Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
- Polymenc foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
- In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 27 N84-22747
- Ethynyl-terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-1] c 27 N84-28988
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352
- Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982
- CRUCIBLES**
- Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
- CRUCIFORM WINGS**
- Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154
- CRUDE OIL**
- Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- CRUSTAL FRACTURES**
- System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- CRYOGENIC COOLING**
- Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Stirling cycle cryogenic cooler --- magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312
- Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
- Propulsion apparatus and method using boil-off gas from a cryogenic liquid --- controlling spacecraft attitude and drag
[NASA-CASE-MFS-25946-1] c 20 N84-15183
- CRYOGENIC EQUIPMENT**
- Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190

- Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- CRYOGENIC FLUID STORAGE**
Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
Cryogenic insulation system Patent
[NASA-CASE-XLE-04222] c 23 N71-22881
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 27 N84-11297
- CRYOGENIC FLUIDS**
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Geysing inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
Magnetocaloric pump --- for cryogenic fluids
[NASA-CASE-LEW-11672-1] c 37 N74-27904
- Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- CRYOGENIC GYROSCOPES**
Cryogenic gyroscope housing --- with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323
- CRYOGENIC MAGNETS**
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
- CRYOGENIC ROCKET PROPELLANTS**
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- CRYOGENIC STORAGE**
Insulation system Patent
[NASA-CASE-XLE-02647] c 18 N71-23658
Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- CRYOGENIC WIND TUNNELS**
Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
- CRYOGENICS**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- CRYOLITE**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
- CRYOSTATS**
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- CRYOTRAPPING**
Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
- CRYSTAL DEFECTS**
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- CRYSTAL FILTERS**
Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- CRYSTAL GROWTH**
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
Method of crystallization --- in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919
Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
- Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633
Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533
Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- CRYSTAL LATTICES**
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- CRYSTAL OPTICS**
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- CRYSTAL OSCILLATORS**
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N83-35228
- CRYSTAL RECTIFIERS**
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
- CRYSTAL STRUCTURE**
Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- CRYSTALLINITY**
Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- CRYSTALLIZATION**
Method of crystallization --- in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919
Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
- CRYSTALS**
Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083

CUBIC LATTICES

Stabilized lanthanum sulphur compounds --- thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572

CUES

Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

CUFFS

Logic-controlled occlusive cuff system
[NASA-CASE-MS-C-14836-1] c 52 N82-11770
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744

CULTURE TECHNIQUES

Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
Enhancement of *in vitro* guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
Flow through bacteria detection system
[NASA-CASE-LAR-12871-1] c 35 N85-29218
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

CURIE TEMPERATURE

Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678

CURING

Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MS-C-16934-3] c 24 N84-16262
Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885
Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982
Metal (2) 4,4',4'',4''' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281

CURRENT AMPLIFIERS

Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453

CURRENT DENSITY

Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
Stable superconducting magnet --- high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524

CURRENT DISTRIBUTION

Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470

Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Load insensitive electrical device --- power converters for supplying direct current at one voltage from a source at another voltage
[NASA-CASE-XER-11046-2] c 33 N74-22864

CURRENT REGULATORS

Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126

CURVATURE

Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488

CURVE FITTING

Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578

CURVED PANELS

Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
Variable contour securing system
[NASA-CASE-MS-C-16270-1] c 37 N78-27423

CUSHIONS

Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394

CUTTERS

Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
Ophthalmic lification pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
Open ended tubing cutters
[NASA-CASE-MS-C-18538-1] c 37 N82-26672
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085

CUTTING

Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085

CYANATES

Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116

CYANO COMPOUNDS

Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259

CYCLES

Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

CYCLIC ACCELERATORS

Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

CYCLIC COMPOUNDS

Carboranyl-cyclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389

CYCLIC HYDROCARBONS

Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Synthesis of 2,4,8,10-tetroxaspiro[5,5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187

CYCLIC LOADS

Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476

CYCLOTRON RADIATION

Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226

CYCLOTRON RESONANCE

Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

CYCLOTRON RESONANCE DEVICES

Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952

CYLINDERS

Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289

CYLINDRICAL ANTENNAS

Variable beamwidth antenna --- with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295

CYLINDRICAL BODIES

Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

CYLINDRICAL CHAMBERS

Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

CYSTS

Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751

CZOCHRALSKI METHOD

Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105

D

DAMAGE

Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-C-18736-1] c 24 N83-13172

DAMPERS (VALVES)

Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490

DAMPING

Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295

Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
Attitude control and damping system for spacecraft
Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
Arrangement for damping the resonance in a laser
diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N85-30341

DATA ACQUISITION

Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
Position location and data collection system and method
Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
Analog signal integration and reconstruction system
Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
Simultaneous acquisition of tracking data from two
stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
Contour detector and data acquisition system for the
left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724

DATA COLLECTION PLATFORMS

Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

DATA COMPRESSION

Data compression system with a minimum time delay
unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Method and apparatus for data compression by a
decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
Space communication system for compressed data with
a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328

DATA CONVERTERS

Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778
Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
Analog Signal to Discrete Time Interval Converter
(ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
High speed direct binary to binary coded decimal
converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
Image data rate converter having a drum with a fixed
head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

DATA CORRELATION

Instrument for determining coincidence and elapse time
between independent sources of random sequential
events
[NASA-CASE-LAR-12531-1] c 35 N83-29651
Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273

DATA LINKS

Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
Multi-computer multiple data path hardware exchange
system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

DATA MANAGEMENT

Selective data segment monitoring system --- using shift
registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760

DATA PROCESSING

Energy management system for glider type vehicle
Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
Transient augmentation circuit for pulse amplifiers
Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
Pseudonoise (PN) synchronization of data system with
derivation of clock frequency from received signal for
clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
Image data rate converter having a drum with a fixed
head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
Charge-coupled device data processor for an airborne
imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342
Interactive color display for multispectral imagery using
correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
Processing circuit with asymmetry corrector and
convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N85-20249
LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202

DATA PROCESSING EQUIPMENT

Data processor having multiple sections activated at
different times by selective power coupling to the sections
Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
Variable digital processor including a register for shifting
and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
Versatile arithmetic unit for high speed sequential
decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
Data processor with conditionally supplied clock
signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
Space communication system for compressed data with
a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
Digital interface for bi-directional communication
between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492

DATA RECORDERS

Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
Recorder/processor apparatus --- for optical data
processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831

DATA RECORDING

System for recording and reproducing pulse code
modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Incremental tape recorder and data rate converter
Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
Transient video signal recording with expanded playback
Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431
Image data rate converter having a drum with a fixed
head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946

DATA REDUCTION

Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928

Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
Data compression system with a minimum time delay
unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Method and apparatus for data compression by a
decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172

DATA RETRIEVAL

Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
Asynchronous, multiplexing, single line transmission and
recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195

DATA SAMPLING

Reduced bandwidth video communication system
utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
Signal processing apparatus for multiplex transmission
Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
Method and apparatus for data compression by a
decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

DATA SMOOTHING

Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417

DATA STORAGE

Data handling system based on source significance,
storage availability and data received from the source
Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
Tape guidance system and apparatus for the provision
thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
System for recording and reproducing pulse code
modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
Incremental tape recorder and data rate converter
Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
Multiple hologram recording and readout system
Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
Dual purpose momentum wheels for spacecraft with
magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337

DATA SYSTEMS

Data handling system based on source significance,
storage availability and data received from the source
Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
Method and apparatus for decoding compatible
convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598

DATA TRANSMISSION

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
Phase-shift data transmission system having a
pseudo-noise SYNC code modulated with the data in a
single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
Data compression system with a minimum time delay
unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288

- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
- Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
- System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221
- A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995
- Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MS-C-20258-1] c 60 N84-28492
- DAWSONITE**
Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- DEBRIS**
Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- DECAY RATES**
Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269
- DECLERATION**
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
- Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- DECIMALS**
High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
- DECISION MAKING**
Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MS-C-14070-1] c 32 N74-32598
- DECODERS**
Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- Compact-bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MS-C-14557-1] c 32 N76-16249
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Decommutator patchboard venfier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- Reed-Solomon decoder --- applicable to Galileo Project requirements
[NASA-CASE-NPO-15982-1] c 60 N85-20680
- DECODING**
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
- Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MS-C-14070-1] c 32 N74-32598
- Differential pulse code modulation
[NASA-CASE-MS-C-12506-1] c 32 N77-12239
- DECOMMUTATORS**
Decommutator patchboard venfier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- DECONTAMINATION**
Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
- Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- DEEP SPACE NETWORK**
Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- DEFECTS**
Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
- DEFLECTION**
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- DEFLECTORS**
Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
- Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
- Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
- Exhaust flow deflector --- for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
- Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- DEFOCUSING**
Retrodirectve modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- DEFORMATION**
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
- Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
- DEGASSING**
Degassifying and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MS-C-18936-1] c 35 N83-29652
- DEGREES OF FREEDOM**
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
- Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- DEHUMIDIFICATION**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- DEHYDRATED FOOD**
Modification of the physical properties of freeze-dried rice
[NASA-CASE-MS-C-13540-1] c 05 N72-33096
- DEICERS**
Piezoelectrc deicing device
[NASA-CASE-LEW-13773-2] c 35 N84-32782
- Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- DELAY CIRCUITS**
Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
- Pseudonoise code tracking loop
[NASA-CASE-MS-C-18035-1] c 32 N81-15179
- DELAY LINES**
A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
- DELTA MODULATION**
Multifunction audio digitizer --- producing direct delta and pulse code modulation
[NASA-CASE-MS-C-13855-1] c 35 N74-17885
- DELTA WINGS**
Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
- DEMAGNETIZATION**
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
- DEMODULATION**
Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
- Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
- Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- DEMODULATORS**
Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- Bi-camer demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
- Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
- Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
- Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MS-C-12165-1] c 07 N71-33696
- Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
- Unbalanced quadrature demodulator
[NASA-CASE-MS-C-14840-1] c 32 N77-24331
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Self-calibrating threshold detector
[NASA-CASE-MS-C-16370-1] c 35 N81-19427
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- DENDRITIC CRYSTALS**
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- DENSIFICATION**
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-C-18737-1] c 24 N83-13171
- DENSITOMETERS**
Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
- Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
- DENSITY (MASS/VOLUME)**
Non-toxic inert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- DENSITY DISTRIBUTION**
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- DENSITY MEASUREMENT**
Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
- Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- Determining particle density using known material Hugonot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
- Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- Device for determining frost depth and density
[NASA-CASE-NFS-25754-1] c 35 N84-28018
- DENTISTRY**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
- DEOXYGENATION**
Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138

DEPLOYMENT

DEPLOYMENT

Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477

Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183

High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157

Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178

Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 18 N84-16250

DEPOSITION

Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967

Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751

Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N84-20670

Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695

Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153

Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826

DEPOSITS

Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652

DEPTH MEASUREMENT

Device for determining frost depth and density
[NASA-CASE-NFS-25754-1] c 35 N84-28018

DESCENT

Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

DESIGN ANALYSIS

Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154

Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717

DESTRUCTIVE TESTS

Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503

DESULFURIZING

Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154

Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282

Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743

Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253

DETECTION

Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569

Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573

Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240

Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696

Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435

Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145

Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612

Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545

Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604

Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139

Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373

Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374

DETECTORS

Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221

Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575

Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821

Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910

Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334

Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412

Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484

Multiple pass remaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741

Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327

Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062

Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403

Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767

DETERGENTS

Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834

DETONATION

Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425

DETONATION WAVES

Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

DEUTERIUM

Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146

Deuterium pass through target --- neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860

DEW POINT

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373

DIAGNOSIS

Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751

Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

DIAGRAMS

Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

DIALYSIS

Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687

DIAMETERS

Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289

DIAMINES

Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717

Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148

Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980

Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316

Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078

The 1 - (dialkoxyphosphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

Fire resistant polymers based on 1-((dialkoxyphosphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702

Process for preparing highly optically transparent-colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N85-21360

Fire resistant polymers based on 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diamino benzenes
[NASA-CASE-ARC-11512-2] c 27 N85-21362

DIAMONDS

Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446

Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457

Apparatus for producing diamond-like carbon flakes
[NASA-CASE-LEW-13837-3] c 31 N85-20155

Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267

DIAPHRAGMS (MECHANICS)

Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233

Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370

Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967

Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960

Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060

Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072

Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811

Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418

Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N85-20377

DIATOMIC GASES

Diatomic infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426

DICHROISM

Dichroic plate --- as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435

Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416

DICKE RADIOMETERS

Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

DIDYMIUM

Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608

DIELECTRIC PROPERTIES

Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442

Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192

DIELECTRICS

Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267

Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937

Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157

Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808

Laser machining apparatus Patent
[NASA-CASE-HON-10541-2] c 15 N71-27135

Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065

Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820

Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762

Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000

Electrostatic measurement system --- for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477

Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

- Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- DIELS-ALDER REACTIONS**
Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 25 N85-30039
- DIES**
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
- Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
- Ultrasonic angle beam standard reflector
[NASA-CASE-LAR-13153-1] c 71 N84-21274
- DIESEL ENGINES**
Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- DIETS**
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- DIFFERENCES**
Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- DIFFERENTIAL AMPLIFIERS**
Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Measurement amplifier
[NASA-CASE-MFS-25868-1] c 33 N84-32680
- DIFFERENTIAL INTERFEROMETRY**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- DIFFERENTIAL PRESSURE**
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
- Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
- System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- DIFFERENTIATORS**
Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
- DIFFRACTION**
Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- DIFFRACTION PATTERNS**
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- DIFFRACTOMETERS**
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- DIFFUSE RADIATION**
Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15679
- DIFFUSERS**
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MRS-25791-1] c 09 N84-27749
- DIFFUSION**
A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- Transmitting and reflecting diffuser --- for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436
- DIFFUSION PUMPS**
Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489
- Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- DIFFUSION WELDING**
Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492
- Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
- Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- DIFFUSIVITY**
Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044
- DIGITAL COMMAND SYSTEMS**
Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
- Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
- DIGITAL COMPUTERS**
Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
- Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502
- Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
- Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
- Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
- Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
- Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
- High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
- Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
- Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
- Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- DIGITAL DATA**
Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
- Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- DIGITAL FILTERS**
Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
- Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
- Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
- Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- DIGITAL INTEGRATORS**
Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
- DIGITAL RADAR SYSTEMS**
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- DIGITAL SPACECRAFT TELEVISION**
Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
- DIGITAL SYSTEMS**
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
- Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
- Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
- Noninterruptable digital counting system Patent
[NASA-CASE-NPO-09759] c 08 N71-24891
- Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
- Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
- Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
- Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
- Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- Pseudonoise (PN) synchronization of data system with denatation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
- Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- Digital controller for a Baum folding machine --- providing automatic counting and machine shutoff
[NASA-CASE-LAR-10688-1] c 37 N74-21056
- Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
- Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
- Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- Open loop digital frequency multiplier
[NASA-CASE-MSC-12709-1] c 33 N77-24375
- Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- DIGITAL TECHNIQUES**
Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751

- Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
- Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
- Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
- Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- Nanosequencer digital logic controller
[NASA-CASE-NPO-16116-1] c 60 N84-25306
- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- DIGITAL TO ANALOG CONVERTERS**
- Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- Buffered analog converter
[NASA-CASE-KSC-10397] c 08 N72-25206
- Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- A method and apparatus for operating on companded PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N85-29120
- DIGITAL TRANSDUCERS**
- Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081
- Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- DIISOCYANATES**
- Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
- Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
- DIMENSIONAL MEASUREMENT**
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- DIMENSIONS**
- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
- DIODES**
- Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
- Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
- High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- DIPHENYL COMPOUNDS**
- Amine terminated bispartamides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
- DIPOLE ANTENNAS**
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
- DIRECT CURRENT**
- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-01303] c 25 N71-21693
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
- Bio-isolated dc operational amplifier --- for bioelectronic measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
- Load insensitive electrical device --- power converters for supplying direct current at one voltage from a source at another voltage
[NASA-CASE-XER-11046-2] c 33 N74-22864
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
- Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133
- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
- DIRECT LIFT CONTROLS**
- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- DIRECT POWER GENERATORS**
- Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
- Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Load insensitive electrical device --- power converters for supplying direct current at one voltage from a source at another voltage
[NASA-CASE-XER-11046-2] c 33 N74-22864
- Bi-directional control system for energy flow in a solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N84-32913
- DIRECTIONAL ANTENNAS**
- Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- Variable beamwidth antenna --- with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295
- Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- DIRECTIONAL CONTROL**
- Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
- DIRECTIONAL SOLIDIFICATION (CRYSTALS)**
- Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- High gradient directional solidification furnace --- for space processing
[NASA-CASE-MFS-25963-1] c 35 N84-16531
- DIRECTIONAL STABILITY**
- Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275
- DIRECTIVITY**
- Multiplexing collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
- DISCHARGE**
- Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 36 N84-15537
- DISCONNECT DEVICES**
- Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
- Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
- Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
- Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
- Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
- Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
- Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
- Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455
- Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
- Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488
- Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
- Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
- Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- DISCONTINUITY**
- Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
- DISCRIMINATORS**
- Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
- Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537

- Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- DISPENSERS**
- Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
- Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
- Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178
- Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466
- DISPERSING**
- Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- DISPERSIONS**
- Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573
- DISPLACEMENT**
- Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- DISPLACEMENT MEASUREMENT**
- Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
- Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
- Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
- Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364
- Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- DISPLAY DEVICES**
- Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507
- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
- Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
- Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
- System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164
- Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
- Scientific experiment flexible mount
[NASA-CASE-MS-C-12372-1] c 31 N72-25842
- Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- Transparent switchboard
[NASA-CASE-MS-C-13746-1] c 10 N73-32143
- Recorder/processor apparatus --- for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
- G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872
- X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
- Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882
- Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293
- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
- Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
- Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221
- System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
- Simulator scene display evaluation
[NASA-CASE-ARC-11504-1] c 09 N84-16221
- Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N84-32383
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373
- DISSIPATION**
- Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
- Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25862-1] c 09 N84-32398
- DISSOCIATION**
- Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- DISSOLVING**
- Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
- DISTANCE**
- Optical distance measuring instrument
[US-PATENT-APPL-SN-406820] c 74 N83-13982
- DISTANCE MEASURING EQUIPMENT**
- Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523
- DISTILLATION EQUIPMENT**
- Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
- Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
- DISTRIBUTED AMPLIFIERS**
- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- DISTRIBUTED PROCESSING**
- Distributed multipoint memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- DISTRIBUTION (PROPERTY)**
- Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
- DISTRIBUTORS**
- High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
- DIVERGENT NOZZLES**
- Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490
- DIVERTERS**
- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- DIVIDERS**
- A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836
- DOCUMENT STORAGE**
- File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908
- DOORS**
- Emergency escape system Patent
[NASA-CASE-MS-C-12086-1] c 05 N71-12345
- CAM controlled retractable door latch
[NASA-CASE-MS-C-20304-1] c 37 N82-31690
- DOPED CRYSTALS**
- FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N84-33211
- DOPES**
- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N85-20535
- DOPPLER EFFECT**
- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
- Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194
- Servo-mechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216
- DOPPLER RADAR**
- Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766
- Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MS-C-18675-1] c 32 N84-22820
- DOSIMETERS**
- Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
- Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- DRAG CHUTES**
- Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
- Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034
- Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
- DRAG MEASUREMENT**
- Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
- Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
- System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- DRAG REDUCTION**
- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
- Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
- Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
- Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

- Propulsion apparatus and method using boil-off gas from a cryogenic liquid --- controlling spacecraft attitude and drag
[NASA-CASE-MFS-25946-1] c 20 N84-15183
Combined nblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- DRIFT (INSTRUMENTATION)**
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Failure detection and control means for improved drift performance of a gimballed platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- DRILL BITS**
Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034
Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- DRILLING**
Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- DRILLS**
Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
- DRIVES**
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
- DROP TOWERS**
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- DROPS (LIQUIDS)**
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- DRUGS**
Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- DRYING**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- DRYING APPARATUS**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- DUCTED FANS**
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- DUCTILITY**
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
- DUCTS**
Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- DURABILITY**
Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
- DUST COLLECTORS**
Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
- DYE LASERS**
Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- DYES**
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- DYNAMIC CHARACTERISTICS**
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
- Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MS-20622-1] c 14 N84-22596
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
- DYNAMIC CONTROL**
Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- DYNAMIC LOADS**
Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
Impact monitoring apparatus
[NASA-CASE-MS-15626-1] c 14 N72-25411
- DYNAMIC MODULUS OF ELASTICITY**
Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
- DYNAMIC RESPONSE**
Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- DYNAMIC STRUCTURAL ANALYSIS**
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
- DYNAMIC TESTS**
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- DYNAMOMETERS**
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

E

- EAR**
Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
- EARTH ATMOSPHERE**
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
- EARTH CRUST**
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
- EARTH ORBITS**
High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MS-12391] c 30 N73-12884
- EARTHQUAKES**
Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N84-20808
- ECCENTRICS**
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- ECHLETTE GRATINGS**
Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- ECHOES**
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- EDDY CURRENTS**
Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316
- EDGES**
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- EFFICIENCY**
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
Improved heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N84-32425
- EFFLUENTS**
Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MS-16841-1] c 34 N79-24285
- EGRESS**
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- EJECTION**
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- EJECTION SEATS**
Device for protecting occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
- EJECTORS**
Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MRS-25791-1] c 09 N84-27749
- ELASTIC BODIES**
Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
- ELASTIC DEFORMATION**
Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
- ELASTIC MEDIA**
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
- ELASTIC PROPERTIES**
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- ELASTIC SHEETS**
Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803
- ELASTOMERS**
Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MS-12116-1] c 15 N71-17648
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MS-14331-3] c 27 N78-32262

- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
- Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MS-C-18382-1] c 27 N82-16238
- Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349
- Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- ELBOW (ANATOMY)**
- Elbow and knee joint for hard space suits and the like
[NASA-CASE-ARC-11610-1] c 54 N85-20666
- ELECTRIC ARCS**
- Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
- Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
- Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
- Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987
- High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- Apparatus for producing diamond-like carbon flakes
[NASA-CASE-LEW-13837-3] c 31 N85-20155
- ELECTRIC AUTOMOBILES**
- Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422
- ELECTRIC BATTERIES**
- Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
- Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
- Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
- Synchronous orbit battery cyclor
[NASA-CASE-GSC-11211-1] c 03 N72-25020
- Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- Battery testing device --- for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519
- Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- Voltage regulator for battery power source --- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345
- In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
- ELECTRIC BRIDGES**
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
- Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- ELECTRIC CELLS**
- Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
- Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
- ELECTRIC CHARGE**
- Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
- Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605
- ELECTRIC CHOPPERS**
- Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- ELECTRIC COILS**
- Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- ELECTRIC CONDUCTORS**
- Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
- Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
- Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
- Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
- Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
- Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
- Shielded conductor cable system
[NASA-CASE-MS-C-12745-1] c 33 N81-27397
- ELECTRIC CONNECTORS**
- Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
- Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
- Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
- Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
- Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
- Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
- Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
- Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
- Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
- Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
- Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
- Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
- Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455
- Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200
- Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
- Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
- Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- Connector --- for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567
- Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
- Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- Electrical self-aligning connector --- orbital servicer vehicles
[NASA-CASE-MFS-25211-2] c 33 N84-14423
- ELECTRIC CONTACTS**
- Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
- Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
- Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
- Electrostatic measurement system --- for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477
- Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- ELECTRIC CONTROL**
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300
- ELECTRIC CURRENT**
- Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
- Electrical load protection device Patent
[NASA-CASE-MS-C-12135-1] c 09 N71-12526
- Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
- Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
- Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
- Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
- Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199

- Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
- Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
- Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
- Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
- Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- Electrical power generating system -- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- Hybrid power semiconductor switch
[NASA-CASE-LEW-13922-1] c 33 N84-11389
- Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- ELECTRIC DISCHARGES**
- Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
- High voltage pulse generator Patent
[NASA-CASE-MS-12178-1] c 09 N71-13518
- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
- Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- ELECTRIC ENERGY STORAGE**
- Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
- Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521
- ELECTRIC EQUIPMENT**
- Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
- Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
- Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
- Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
- Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
- Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- ELECTRIC EQUIPMENT TESTS**
- Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
- Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- High power-high voltage Waterloo Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- ELECTRIC FIELD STRENGTH**
- Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
- Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
- Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843
- ELECTRIC FIELDS**
- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- ELECTRIC FILTERS**
- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
- Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
- ELECTRIC FURNACES**
- High gradient directional solidification furnace --- for space processing
[NASA-CASE-MFS-25963-1] c 35 N84-16531
- ELECTRIC FUSES**
- Electrical load protection device Patent
[NASA-CASE-MS-12135-1] c 09 N71-12526
- Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
- Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- ELECTRIC GENERATORS**
- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
- Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
- Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
- Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- ELECTRIC IGNITION**
- Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
- ELECTRIC MOTOR VEHICLES**
- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- ELECTRIC MOTORS**
- Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
- Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
- Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Detent servo motor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
- Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418

- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- ELECTRIC NETWORKS**
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
- Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- ELECTRIC POTENTIAL**
- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
- Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
- Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- Hybrid power semiconductor switch
[NASA-CASE-LEW-13922-1] c 33 N84-11389
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663
- Angular measurement system
[NASA-CASE-MFS-25825-1] c 35 N85-20298
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- Magnetically switched power supply systems for lasers
[NASA-CASE-NPO-16402-1] c 36 N85-29265
- Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- ELECTRIC POWER**
- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- ELECTRIC POWER PLANTS**
- Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- ELECTRIC POWER SUPPLIES**
- Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
- Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
- Powerplexer
[NASA-CASE-MS-12396-1] c 03 N73-31988
- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- Temperature compensated current source
[NASA-CASE-MS-11235] c 33 N78-17294
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- ELECTRIC POWER TRANSMISSION**
- Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Powerplexer
[NASA-CASE-MS-12396-1] c 03 N73-31988
- Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- ELECTRIC PROPULSION**
- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- ELECTRIC PULSES**
- Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
- Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- Counter Patent
[NASA-CASE-NPO-06234] c 10 N71-27137
- Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
- Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- ELECTRIC RELAYS**
- Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
- Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
- Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
- Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
- Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MS-11277] c 09 N71-29008
- Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
- ELECTRIC ROCKET ENGINES**
- Electron bombardment ion engine Patent
[NASA-CASE-NPO-04124] c 28 N71-21822
- ELECTRIC SPARKS**
- Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- ELECTRIC STIMULI**
- Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- ELECTRIC SWITCHES**
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
- Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- ELECTRIC TERMINALS**
- Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
- Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
- Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
- Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
- Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
- Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- ELECTRIC WELDING**
- Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
- Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
- ELECTRIC WIRE**
- Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
- Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
- Ablation sensor Patent
[NASA-CASE-LAR-01794] c 33 N71-21586
- Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
- Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261
- Means for accommodating large overstrain in lead wires --- by storing extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- High current electrical lead --- for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
- Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- Liquid thickness gage
[NASA-CASE-LAR-13342-1] c 35 N85-20297
- ELECTRICAL ENGINEERING**
- Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
- Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
- ELECTRICAL FAULTS**
- Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MS-12033-1] c 09 N71-13531

Failure sensing and protection circuit for converter networks Patent
 [NASA-CASE-GSC-10114-1] c 10 N71-27366
 Solar cell assembly test method
 [NASA-CASE-NPO-10401] c 03 N72-20033
 Shared memory for a fault-tolerant computer
 [NASA-CASE-NPO-13139-1] c 60 N76-21914
 Method and apparatus for transfer function simulator for testing complex systems
 [NASA-CASE-NPO-15696-1] c 33 N85-34333

ELECTRICAL IMPEDANCE

High voltage transistor circuit Patent
 [NASA-CASE-XNP-06937] c 09 N71-19516
 High impedance measuring apparatus Patent
 [NASA-CASE-XMS-08589-1] c 09 N71-20569
 Multialarm summary alarm Patent
 [NASA-CASE-XLE-03061-1] c 10 N71-24798
 Signal conditioning circuit apparatus --- with constant input impedance
 [NASA-CASE-ARC-10348-1] c 33 N75-19518
 Readout electrode assembly for measuring biological impedance
 [NASA-CASE-ARC-10816-1] c 35 N76-24525
 Solid-state current transformer
 [NASA-CASE-MFS-22560-1] c 33 N77-14335

ELECTRICAL INSULATION

Solenoid construction Patent
 [NASA-CASE-XNP-01951] c 09 N70-41929
 Method and apparatus for cryogenic wire stripping Patent
 [NASA-CASE-MFS-10340] c 15 N71-17628
 Plasma device feed system Patent
 [NASA-CASE-XLE-02902] c 25 N71-21694
 Propellant feed isolator Patent
 [NASA-CASE-LEW-10210-1] c 28 N71-26781
 Electrical insulating layer process
 [NASA-CASE-LEW-10489-1] c 15 N72-25447
 Bio-isolated dc operational amplifier --- for bioelectric measurements
 [NASA-CASE-ARC-10596-1] c 33 N74-21851
 Stored charge transistor
 [NASA-CASE-NPO-11156-2] c 33 N75-31331
 Method of making an insulation foil
 [NASA-CASE-LEW-11484-1] c 24 N75-33181
 Gas ion laser construction for electrically isolating the pressure gauge thereof
 [NASA-CASE-MFS-22597] c 36 N78-17366
 Wire stripper
 [NASA-CASE-FRC-10111-1] c 37 N79-10419

ELECTRICAL MEASUREMENT

Device for determining the accuracy of the flare on a flared tube
 [NASA-CASE-XKS-03495] c 14 N69-39785
 Bootstrap unloader Patent
 [NASA-CASE-XNP-09768] c 09 N71-12516
 Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
 [NASA-CASE-XNP-00384] c 09 N71-13530
 Apparatus for field strength measurement of a space vehicle Patent
 [NASA-CASE-XLE-00820] c 14 N71-16014
 Apparatus for measuring current flow Patent
 [NASA-CASE-XGS-02439] c 14 N71-19431
 High voltage divider system Patent
 [NASA-CASE-XLE-02008] c 09 N71-21583
 Ablation sensor Patent
 [NASA-CASE-XLA-01794] c 33 N71-21586
 Hall current measuring apparatus having a series resistor for temperature compensation Patent
 [NASA-CASE-XAC-01662] c 14 N71-23037
 Connector internal force gauge Patent
 [NASA-CASE-XNP-03918] c 14 N71-23087
 Automatic signal range selector for metering devices Patent
 [NASA-CASE-XMS-06497] c 14 N71-26244
 Lightning current measuring systems
 [NASA-CASE-KSC-10807-1] c 33 N75-26246
 Rapid activation and checkout device for batteries
 [NASA-CASE-MFS-22749-1] c 44 N76-14601
 Electrical conductivity cell and method for fabricating the same
 [NASA-CASE-ARC-10810-1] c 33 N76-19339
 Tnelectrode capacitive pressure transducer
 [NASA-CASE-ARC-10711-2] c 33 N76-21390
 Readout electrode assembly for measuring biological impedance
 [NASA-CASE-ARC-10816-1] c 35 N76-24525
 Apparatus for measuring semiconductor device resistance
 [NASA-CASE-NPO-14424-1] c 33 N80-32650
 Lightning discharge identification system
 [NASA-CASE-KSC-11093-1] c 47 N82-24779
 Pyroelectric detector arrays
 [NASA-CASE-LAR-12363-1] c 35 N82-31659

ELECTRICAL PROPERTIES

Drift compensation circuit for analog to digital converter Patent
 [NASA-CASE-XNP-04780] c 08 N71-19687
 Electronically resettable fuse Patent
 [NASA-CASE-XGS-11177] c 09 N71-27001
 Voltage regulator Patent
 [NASA-CASE-ERC-10113] c 09 N71-27053
 Radiometric temperature reference Patent
 [NASA-CASE-MSC-13276-1] c 14 N71-27058
 Solar cell matrix
 [NASA-CASE-NPO-11190] c 03 N71-34044
 Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions
 [NASA-CASE-NPO-11806-1] c 44 N74-19693
 Thermocouple tape --- developed from thermoelectrically different metals
 [NASA-CASE-LEW-11072-2] c 35 N76-15434
 Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
 [NASA-CASE-LEW-13027-1] c 27 N80-24437

ELECTRICAL RESISTANCE

Positive contact resistance soldering unit
 [NASA-CASE-KSC-10242] c 15 N72-23497
 RF-source resistance meters
 [NASA-CASE-NPO-11291-1] c 14 N73-30388
 Apparatus for measuring semiconductor device resistance
 [NASA-CASE-NPO-14424-1] c 33 N80-32650
 Liquid thickness gage
 [NASA-CASE-LAR-13342-1] c 35 N85-20297
 Tensile testing apparatus
 [NASA-CASE-LAR-13243-1] c 35 N85-34375

ELECTRICAL RESISTIVITY

GaAs solar detector using manganese as a doping agent Patent
 [NASA-CASE-XNP-01328] c 26 N71-18064
 Thermopile vacuum gage tube simulator Patent
 [NASA-CASE-XLA-02758] c 14 N71-18481
 Electrically conductive fluorocarbon polymer
 [NASA-CASE-XLE-06774-2] c 06 N72-25150
 Electrical conductivity cell and method for fabricating the same
 [NASA-CASE-ARC-10810-1] c 33 N76-19339
 Durable antistatic coating for polymethylmethacrylate
 [NASA-CASE-NPO-13867-1] c 27 N78-14164
 Remote lightning monitor system
 [NASA-CASE-KSC-11031-1] c 33 N79-11315
 Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
 [NASA-CASE-MSC-12662-1] c 33 N79-12331
 Electrically conductive thermal control coatings
 [NASA-CASE-GSC-12207-1] c 24 N79-14156
 Electrically conductive palladium containing polyimide films
 [NASA-CASE-LAR-12705-1] c 25 N82-26396
 Method of making a high voltage V-groove solar cell
 [NASA-CASE-LEW-13401-1] c 44 N82-29709
 Method and device for detection of a substance --- determining carbon fiber release in fire situations
 [NASA-CASE-NPO-14940-1] c 33 N83-31954
 Piezoelectric composite materials
 [NASA-CASE-LEW-12582-1] c 76 N83-34796
 Liquid thickness gage
 [NASA-CASE-LAR-13342-1] c 35 N85-20297
 Instrumentation for sensing moisture content of material using a transient thermal pulse
 [NASA 1 71 NPO-15494-2] c 35 N85-34373

ELECTRICITY

Thermionic converter with current augmented by self induced magnetic field Patent
 [NASA-CASE-XLE-01903] c 22 N71-23599
 Improved heat exchanger for electrothermal devices
 [NASA-CASE-LEW-14037-1] c 20 N84-32425

ELECTRO-OPTICS

Electro-optical scanning apparatus Patent Application
 [NASA-CASE-NPO-11106] c 14 N70-34697
 Electro-optical alignment control system Patent
 [NASA-CASE-XMF-00908] c 14 N70-40238
 Polarimeter for transient measurement Patent
 [NASA-CASE-XNP-08883] c 23 N71-16101
 Light direction sensor
 [NASA-CASE-NPO-11201] c 14 N72-27409
 Ultrastable calibrated light source
 [NASA-CASE-MSC-12293-1] c 14 N72-27411
 Optical conversion method --- for spacecraft television
 [NASA-CASE-MSC-12610-1] c 74 N78-17865
 Noncontacting method for measuring angular deflection
 [NASA-CASE-LAR-12178-1] c 74 N80-21138
 Integrated optics in an electrically scanned imaging Fourier transform spectrometer
 [NASA-CASE-NPO-15844-1] c 74 N83-12992
 Optical distance measuring instrument
 [US-PATENT-APPL-SN-406820] c 74 N83-13982

Miniature electrooptical air flow sensor
 [NASA-CASE-LAR-13065-1] c 35 N85-20295
 Photorefractor ocular screening system
 [NASA-CASE-MFS-26011-1SB] c 52 N85-20639

ELECTROACOUSTIC TRANSDUCERS

Respiration monitor
 [NASA-CASE-FRC-10012] c 14 N72-17329
 Maternal suspension within an acoustically excited resonant chamber --- at near weightless conditions
 [NASA-CASE-NPO-13263-1] c 12 N75-24774
 CDS solid state phase insensitive ultrasonic transducer --- annealing cadmium sulfide crystals
 [NASA-CASE-LAR-12304-1] c 35 N80-20559

ELECTROACOUSTIC WAVES

Phonocardiogram simulator Patent
 [NASA-CASE-XKS-10804] c 05 N71-24606

ELECTROCARDIOGRAPHY

Phonocardiogram simulator Patent
 [NASA-CASE-XKS-10804] c 05 N71-24606
 Rate meter
 [NASA-CASE-MFS-20418] c 14 N73-24473
 Insulated electrocardiographic electrodes --- without paste electrolyte
 [NASA-CASE-MSC-14339-1] c 05 N75-24716
 Pocket ECG electrode
 [NASA-CASE-ARC-11258-1] c 52 N80-33081
 Subcutaneous electrode structure
 [NASA-CASE-ARC-11117-1] c 52 N81-14612

ELECTROCATALYSTS

Electrocatalyst for oxygen reduction
 [NASA-CASE-HQN-10537-1] c 06 N72-10138
 Catalyst surfaces for the chromous/chromic redox couple
 [NASA-CASE-LEW-13148-1] c 33 N80-20487
 Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
 [NASA-CASE-LEW-13246-1] c 44 N83-27344

ELECTROCHEMICAL CELLS

Apparatus for measuring swelling characteristics of membranes
 [NASA-CASE-XGS-03865] c 14 N69-21363
 Prevention of pressure build-up in electrochemical cells Patent
 [NASA-CASE-XGS-01419] c 03 N70-41864
 Non-magnetic battery case Patent
 [NASA-CASE-XGS-00886] c 03 N71-11053
 Sealing device for an electrochemical cell Patent
 [NASA-CASE-XGS-02630] c 03 N71-22974
 Sealed electrochemical cell provided with a flexible casing Patent
 [NASA-CASE-XGS-01513] c 03 N71-23336
 Electric battery and method for operating same Patent
 [NASA-CASE-XGS-01674] c 03 N71-29129
 Frangible electrochemical cell
 [NASA-CASE-XGS-10010] c 03 N72-15986
 Porus electrode comprising a bonded stack of pieces of corrugated metal foil
 [NASA-CASE-GSC-13368-1] c 09 N73-32108
 Battery testing device --- for testing cells of multiple-cell battery
 [NASA-CASE-MFS-20761-1] c 44 N74-27519
 Electrical conductivity cell and method for fabricating the same
 [NASA-CASE-ARC-10810-1] c 33 N76-19339
 Multi-cell battery protection system
 [NASA-CASE-LEW-12039-1] c 44 N78-14625
 Method and device for the detection of phenol and related compounds --- in an electrochemical cell
 [NASA-CASE-LEW-12513-1] c 25 N79-22235
 Electrochemical cell for rebalancing REDOX flow system
 [NASA-CASE-LEW-13150-1] c 44 N79-26474
 Catalyst surfaces for the chromous/chromic redox couple
 [NASA-CASE-LEW-13148-1] c 33 N80-20487
 Alkaline electrochemical cells and method of making
 [NASA-CASE-GSC-10349-1] c 44 N82-24645
 Method for determining the point of zero zeta potential of semiconductor
 [NASA-CASE-LAR-12893-1] c 76 N85-30923

ELECTROCHEMICAL MACHINING

Apparatus for electrolytically tapered or contoured cavities
 [NASA-CASE-XNP-08835-1] c 37 N80-14395

ELECTROCHEMICAL OXIDATION

Method and device for the detection of phenol and related compounds --- in an electrochemical cell
 [NASA-CASE-LEW-12513-1] c 25 N79-22235
 Epitaxial thinning process
 [NASA-CASE-NPO-15786-1] c 76 N84-35112

ELECTROCHEMISTRY

Electrode for biological recording
 [NASA-CASE-XMS-02872] c 05 N69-21925
 Electrochemical detection device --- for use in microbiology
 [NASA-CASE-LAR-11922-1] c 25 N79-24073

ELECTRODE FILM BARRIERS

Formulated plastic separators for soluble electrode cells
--- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313

ELECTRODEPOSITION

Method of electrolytically binding a layer of semiconductor's together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043

Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466

Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948

Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684

Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235

ELECTRODES

Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542

Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925

Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786

Ionization vacuum gauge Patent
[NASA-CASE-XNP-00646] c 14 N70-35666

Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922

Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608

Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618

Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189

Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193

Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346

Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492

Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987

Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022

Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093

Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618

Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002

Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678

Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MS-90153-2] c 05 N72-25120

Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121

Compressible biomedical electrode
[NASA-CASE-MS-13648] c 05 N72-27103

Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246

Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688

Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783

Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150

Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108

High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913

Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692

Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MS-14339-1] c 05 N75-24716

Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525

Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606

Snap-in compressible biomedical electrode
[NASA-CASE-MS-14623-1] c 52 N77-28717

Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395

Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524

Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268

Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645

A spillage detector for liquid chromatography systems
[NASA-CASE-MS-20206-1] c 25 N83-29325

Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175

Hybrid power semiconductor switch
[NASA-CASE-LEW-13922-1] c 33 N84-11389

Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262

Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456

Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734

Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205

Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565

Negative electrode catalyst for the iron-chromium REDOX energy storage system
[NASA-CASE-LEW-14028-1] c 44 N84-32909

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212

ELECTRODIALYSIS
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

ELECTROFORMING
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919

ELECTROHYDRAULIC FORMING
Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249

ELECTROHYDRODYNAMICS
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332

ELECTROKINETICS
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226

ELECTROLYSIS
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044

Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904

Polymenc electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391

ELECTROLYTES
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363

Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052

Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336

Compressible biomedical electrode
[NASA-CASE-MS-13648] c 05 N72-27103

Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805

Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212

ELECTROLYTIC CELLS
Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034

Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467

Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MS-12568-1] c 24 N76-14204

Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487

Cell and method for electrolysis of water and anode
[NASA-CASE-MS-16394-1] c 28 N81-24280

Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 36 N84-15537

State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596

ELECTROMAGNETIC ABSORPTION
Multiple pass reimagining optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741

Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411

Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186

Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

ELECTROMAGNETIC FIELDS
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701

Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240

Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326

Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-11081-1] c 35 N74-21018

Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411

ELECTROMAGNETIC HAMMERS
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650

Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833

ELECTROMAGNETIC INTERFERENCE
Sealed cabinetry Patent
[NASA-CASE-MS-12168-1] c 09 N71-18600

Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308

ELECTROMAGNETIC MEASUREMENT
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678

Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411

Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

ELECTROMAGNETIC NOISE
Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258

Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244

Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366

Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

ELECTROMAGNETIC PROPULSION
Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

ELECTROMAGNETIC PULSES
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037

ELECTROMAGNETIC PUMPS
Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084

ELECTROMAGNETIC RADIATION
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

- Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent [NASA-CASE-XNP-02140] c 09 N71-23097
- Electromagnetic polarization systems and methods Patent [NASA-CASE-GSC-10021-1] c 09 N71-24595
- Antenna design for surface wave suppression Patent [NASA-CASE-XLA-10772] c 07 N71-28980
- Multiple reflection conical microwave antenna [NASA-CASE-NPO-11661] c 07 N73-14130
- Method and apparatus for measuring electromagnetic radiation [NASA-CASE-LEW-11159-1] c 14 N73-28488
- Hyperthermia heating apparatus --- cancer therapy [NASA-CASE-NPO-14549-2] c 52 N82-33996
- ELECTROMAGNETIC SHIELDING**
- Method of making shielded flat cable Patent [NASA-CASE-MFS-13687] c 09 N71-28691
- Wire stripper [NASA-CASE-FRC-10111-1] c 37 N79-10419
- Shielded conductor cable system [NASA-CASE-MSC-12745-1] c 33 N81-27397
- ELECTROMAGNETIC WAVE FILTERS**
- Laser camera and diffusion filter therefore Patent [NASA-CASE-NPO-10417] c 16 N71-33410
- ELECTROMAGNETIC WAVE TRANSMISSION**
- Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent [NASA-CASE-XGS-02608] c 07 N70-41678
- Gyrotron transmitting tube [NASA-CASE-LEW-13429-1] c 33 N83-31952
- ELECTROMAGNETISM**
- Detentling servomotor Patent [NASA-CASE-XNP-06936] c 15 N71-24695
- Linear magnetic bearing [NASA-CASE-GSC-12517-1] c 37 N83-32067
- Linear magnetic bearings [NASA-CASE-GSC-12582-2] c 37 N85-20337
- ELECTROMAGNETS**
- Electromagnetic mirror drive system [NASA-CASE-XLA-03724] c 14 N69-27461
- Solenoid construction Patent [NASA-CASE-XNP-01951] c 09 N70-41929
- Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent [NASA-CASE-XGS-07514] c 23 N71-16099
- Safe-arm initiator Patent [NASA-CASE-LAR-10372] c 09 N71-18599
- Magnetic bearing --- for supplying magnetic fluxes [NASA-CASE-GSC-11079-1] c 37 N75-18574
- Magnetic spin reduction system for free spinning objects [NASA-CASE-MFS-25966-1] c 15 N85-11122
- ELECTROMECHANICAL DEVICES**
- Electromechanical actuator [NASA-CASE-XNP-05975] c 15 N69-23185
- Bimetallic power controlled actuator [NASA-CASE-XNP-09776] c 09 N69-39929
- Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent [NASA-CASE-XAC-00086] c 09 N70-33182
- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent [NASA-CASE-XGS-03532] c 14 N71-17627
- Mechanical actuator Patent [NASA-CASE-XGS-04548] c 15 N71-24045
- Transverse piezoresistance and pinch effect electromechanical transducers Patent [NASA-CASE-ERC-10088] c 26 N71-25490
- Electromechanical control actuator system Patent [NASA-CASE-ERC-10022] c 15 N71-26635
- Pressure sensitive transducers Patent [NASA-CASE-ERC-10087] c 14 N71-27334
- Electro-mechanical sine/cosine generator [NASA-CASE-LAR-10503-1] c 09 N72-21248
- Ferrofluidic solenoid [NASA-CASE-NPO-11738-1] c 09 N73-30185
- Electro-mechanical sine/cosine generator [NASA-CASE-LAR-11389-1] c 33 N77-26387
- Rotary electric device [NASA-CASE-GSC-12138-1] c 33 N79-20314
- Coal-shale interface detection system [NASA-CASE-MFS-23720-2] c 43 N80-14423
- Coal-shale interface detector [NASA-CASE-MFS-23720-1] c 43 N80-23711
- Magnetic field control --- electromechanical torquing device [NASA-CASE-MFS-23828-1] c 33 N82-26569
- Piezoelectric composite materials [NASA-CASE-LEW-12582-1] c 76 N83-34796
- Memory metal actuator --- for use in electromechanical servocontrol systems [NASA-CASE-NPO-15960-1] c 37 N83-36485
- Two-dimensional scanner apparatus --- flaw detector in small flat plates [NASA-CASE-MFS-25687-1] c 35 N84-22928
- Electro-expulsive separation system [NASA-CASE-ARC-11613-1] c 33 N85-29150
- ELECTROMETERS**
- Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent [NASA-CASE-XAC-02807] c 09 N71-23021
- Pyroelectric detector arrays [NASA-CASE-LAR-12363-1] c 35 N82-31659
- ELECTROMIGRATION**
- Electromigration process for the purification of molten silicon during crystal growth [NASA-CASE-NPO-14831-1] c 76 N82-30105
- ELECTROMOTIVE FORCES**
- Heat activated cell Patent [NASA-CASE-LEW-11359] c 03 N71-28579
- Three-phase power factor controller with induced EMF sensing [NASA-CASE-MFS-25852-1] c 33 N84-33661
- ELECTRON ATTACHMENT**
- High resolution threshold photoelectron spectroscopy by electron attachment [NASA-CASE-NPO-14078-1] c 72 N80-14877
- ELECTRON BEAM WELDING**
- Split welding chamber Patent [NASA-CASE-LEW-11531] c 15 N71-14932
- Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c 15 N71-19486
- ELECTRON BEAMS**
- Electronic beam switching commutator Patent [NASA-CASE-XGS-01451] c 09 N71-10677
- Method and means for an improved electron beam scanning system Patent [NASA-CASE-ERC-10552] c 09 N71-12539
- Electron beam instrument for measuring electric fields Patent [NASA-CASE-XMF-10289] c 14 N71-23699
- Apparatus for determining the deflection of an electron beam impinging on a target Patent [NASA-CASE-XMF-06617] c 09 N71-24843
- Infrared detectors [NASA-CASE-LAR-10728-1] c 14 N73-12445
- Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube [NASA-CASE-LEW-11617-1] c 33 N74-10195
- Image tube --- deriving electron beam replica of image [NASA-CASE-GSC-11602-1] c 33 N74-21850
- Very high intensity light source using a cathode ray tube --- electron beams [NASA-CASE-XNP-01296] c 33 N75-27250
- Coupled cavity traveling wave tube with velocity tapening [NASA-CASE-LEW-12296-1] c 33 N80-19425
- Low energy electron magnetometer using a monoenergetic electron beam [NASA-CASE-LAR-12706-1] c 35 N84-12444
- ELECTRON BOMBARDMENT**
- Ion thruster cathode [NASA-CASE-XLE-07087] c 06 N69-39889
- Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope [NASA-CASE-XGS-01725] c 14 N69-39982
- Electron bombardment ion engine Patent [NASA-CASE-XNP-04124] c 28 N71-21822
- Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent [NASA-CASE-XLE-04501] c 09 N71-23190
- Single grid accelerator for an ion thruster [NASA-CASE-XLE-10453-2] c 28 N73-27699
- Containerless high temperature calorimeter apparatus [NASA-CASE-MFS-23923-1] c 35 N81-19426
- Mechanical bonding of metal method [NASA-CASE-LEW-12941-1] c 26 N83-10170
- Diamondlike flake composites [NASA-CASE-LEW-13837-1] c 24 N84-22695
- Ion sputter textured graphite electrode plates [NASA-CASE-LEW-12919-2] c 70 N84-28565
- ELECTRON CAPTURE**
- Multistage depressed collector for dual mode operation --- for microwave transmitting tubes [NASA-CASE-LEW-13282-1] c 33 N82-24415
- ELECTRON DISTRIBUTION**
- Measurement of plasma temperature and density using radiation absorption [NASA-CASE-ARC-10598-1] c 75 N74-30156
- ELECTRON EMISSION**
- Thermionic energy converter [NASA-CASE-XLE-01015] c 03 N69-39898
- Textured carbon surfaces on copper [NASA-CASE-LEW-14130-1] c 31 N85-20156
- ELECTRON ENERGY**
- Low energy electron magnetometer using a monoenergetic electron beam [NASA-CASE-LAR-12706-1] c 35 N84-12444
- ELECTRON FLUX DENSITY**
- Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope [NASA-CASE-XGS-01725] c 14 N69-39982
- ELECTRON GUNS**
- Induction heating gun [NASA-CASE-LAR-13181-1] c 31 N85-29083
- Generation of intense negative ion beams [NASA-CASE-NPO-16061-1-CU] c 72 N85-29701
- ELECTRON IRRADIATION**
- Ion rocket Patent [NASA-CASE-XLE-00376] c 28 N70-37245
- ELECTRON MICROSCOPES**
- Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope [NASA-CASE-XGS-01725] c 14 N69-39982
- Method of forming aperture plate for electron microscope [NASA-CASE-ARC-10448-2] c 74 N75-12732
- Electron microscope aperture system [NASA-CASE-ARC-10448-3] c 35 N77-14408
- ELECTRON MICROSCOPY**
- Synchronized voltage contrast display analysis system [NASA-CASE-NPO-14567-1] c 33 N83-18996
- ELECTRON PHOTON CASCADES**
- Resistive anode image converter [NASA-CASE-HQN-10876-1] c 33 N76-27473
- ELECTRON PLASMA**
- Method and apparatus for producing a plasma Patent [NASA-CASE-XLA-00147] c 25 N70-34661
- ELECTRON SOURCES**
- Electron microscope aperture system [NASA-CASE-ARC-10448-3] c 35 N77-14408
- ELECTRON TRANSFER**
- Process for reducing secondary electron emission Patent [NASA-CASE-XNP-09469] c 24 N71-25555
- ELECTRON TRANSITIONS**
- Diatomic infrared gasdynamic laser --- for producing different wavelengths [NASA-CASE-ARC-10370-1] c 36 N75-31426
- ELECTRON TUBES**
- Direct radiation cooling of the collector of linear beam tubes [NASA-CASE-XNP-09227] c 15 N69-24319
- Radiant heater having formed filaments Patent [NASA-CASE-XLE-00387] c 33 N70-34812
- Ion sputter textured graphite --- anode collector plates in electron tube devices [NASA-CASE-LEW-12919-1] c 24 N83-10117
- Gyrotron transmitting tube [NASA-CASE-LEW-13429-1] c 33 N83-31952
- ELECTRON TUNNELING**
- Doped Josephson tunneling junction for use in a sensitive IR detector [NASA-CASE-NPO-13348-1] c 33 N75-31332
- Laser activated MTOS microwave device [NASA-CASE-NPO-16112-1] c 36 N84-12463
- Inelastic tunnel diodes [NASA-CASE-LEW-13833-1] c 33 N85-21492
- ELECTRONIC CONTROL**
- Monopulse system with an electronic scanner [NASA-CASE-XGS-05582] c 07 N69-27460
- Electronic motor control system Patent [NASA-CASE-XMF-01129] c 09 N70-38712
- Phase multiplying electronic scanning system Patent [NASA-CASE-NPO-10302] c 10 N71-26142
- Ion beam deflector Patent [NASA-CASE-LEW-10689-1] c 28 N71-26173
- Peak acceleration limiter for vibrational tester Patent [NASA-CASE-NPO-10556] c 14 N71-27185
- Digital control and information system [NASA-CASE-NPO-11016] c 08 N72-31226
- Electronic system for high power load control --- solar arrays [NASA-CASE-NPO-15358-1] c 33 N83-27126
- Closed loop electrostatic levitation system [NASA-CASE-NPO-15553-1] c 33 N85-29142
- ELECTRONIC EQUIPMENT**
- Monopulse system with an electronic scanner [NASA-CASE-XGS-05582] c 07 N69-27460
- Pulse activated polarographic hydrogen detector Patent [NASA-CASE-XMF-06531] c 14 N71-17575
- Stable amplifier having a stable quiescent point Patent [NASA-CASE-XGS-02812] c 09 N71-19466
- Static inverter Patent [NASA-CASE-XGS-05289] c 09 N71-19470

Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent [NASA-CASE-XNP-02140] c 09 N71-23097

Optimum predetection diversity receiving system Patent [NASA-CASE-XGS-00740] c 07 N71-23098

Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent [NASA-CASE-XLE-04501] c 09 N71-23190

Method and apparatus for varying thermal conductivity Patent [NASA-CASE-XNP-05524] c 33 N71-24876

A solid state acoustic variable time delay line Patent [NASA-CASE-ERC-10032] c 10 N71-25900

Automatic signal range selector for metering devices Patent [NASA-CASE-XMS-06497] c 14 N71-26244

Fringe counter for interferometers Patent [NASA-CASE-LAR-10204] c 14 N71-27215

Temperature regulation circuit Patent [NASA-CASE-XNP-02792] c 14 N71-28958

Method and apparatus for data compression by a decreasing slope threshold test [NASA-CASE-NPO-10769] c 08 N72-11171

Universal environment package with sectional component housing [NASA-CASE-KSC-10031] c 15 N72-22486

Lead attachment to high temperature devices [NASA-CASE-ERC-10224] c 09 N72-25261

Method and apparatus for detecting surface ions on silicon diodes and transistors [NASA-CASE-ERC-10325] c 15 N72-25457

Versatile arithmetic unit for high speed sequential decoder [NASA-CASE-NPO-11371] c 08 N73-12177

Data processor with conditionally supplied clock signals [NASA-CASE-GSC-10975-1] c 08 N73-13187

Heat detection and compositions and devices therefor [NASA-CASE-NPO-10764-1] c 14 N73-14428

Phase control circuits using frequency multiplications for phased array antennas [NASA-CASE-ERC-10285] c 10 N73-16206

Junction range finder [NASA-CASE-KSC-10108] c 14 N73-25461

Electronic strain-level counter [NASA-CASE-LAR-10756-1] c 32 N73-26910

Automatic vehicle location system [NASA-CASE-NPO-11850-1] c 32 N74-12912

Automatic focus control for facsimile cameras [NASA-CASE-LAR-11213-1] c 35 N75-15014

Electronic analog divider [NASA-CASE-LEW-11881-1] c 33 N77-17354

Moisture content and gas sampling device [NASA-CASE-MS-18866-1] c 35 N85-29213

ELECTRONIC EQUIPMENT TESTS

Analog to digital converter tester Patent [NASA-CASE-XLA-06713] c 14 N71-28991

Signal conditioner test set [NASA-CASE-KSC-10750-1] c 35 N75-12270

Decommutator patchboard verifier [NASA-CASE-KSC-11065-1] c 33 N81-26359

Synchronized voltage contrast display analysis system [NASA-CASE-NPO-14567-1] c 33 N83-18996

ELECTRONIC FILTERS

Self-tuning bandpass filter [NASA-CASE-ARC-10264-1] c 09 N73-20231

Capacitance multiplier and filter synthesizing network [NASA-CASE-NPO-11948-1] c 33 N74-32712

Notch filter [NASA-CASE-MFS-23303-1] c 32 N77-18307

ELECTRONIC MODULES

Thermal conductive connection and method of making same Patent [NASA-CASE-XMS-02087] c 09 N70-41717

Solar cell submodule Patent [NASA-CASE-XNP-05821] c 03 N71-11056

Heat conductive resiliently compressible structure for space electronics package modules Patent [NASA-CASE-MS-12389] c 33 N71-29052

Tool for use in lifting pin supported objects [NASA-CASE-NPO-13157-1] c 37 N74-32918

Phase substitution of spare converter for a failed one of parallel phase staggered converters [NASA-CASE-NPO-13812-1] c 33 N77-30365

Method of making encapsulated solar cell modules [NASA-CASE-LEW-12185-1] c 44 N78-25528

Electronically scanned pressure sensor module with in situ calibration capability [NASA-CASE-LAR-12230-1] c 35 N79-14347

Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications [NASA-CASE-NPO-14000-1] c 33 N79-24254

Circuit for automatic load sharing in parallel converter modules [NASA-CASE-NPO-14056-1] c 33 N79-24257

Method and apparatus for fabricating improved solar cell modules [NASA-CASE-NPO-14416-1] c 44 N81-14389

Redundant operation of counter modules [NASA-CASE-NPO-14162-1] c 60 N81-15706

ELECTRONIC PACKAGING

Electrical feed-through connection for printed circuit boards and printed cable [NASA-CASE-XMF-01483] c 14 N69-27431

Capacitor and method of making same Patent [NASA-CASE-LEW-10364-1] c 09 N71-13522

Method of evaluating moisture barrier properties of encapsulating materials Patent [NASA-CASE-NPO-10051] c 18 N71-24934

Microelectronic module package Patent [NASA-CASE-XMS-02182] c 10 N71-28783

Frangible electrochemical cell [NASA-CASE-XGS-10010] c 03 N72-15986

Hermetically sealed semiconductor [NASA-CASE-GSC-10791-1] c 15 N73-14469

Circuit board package with wedge shaped covers [NASA-CASE-MFS-21919-1] c 10 N73-25243

Integrated circuit package with lead structure and method of prepping the same [NASA-CASE-MFS-21374-1] c 33 N74-12951

Tool for use in lifting pin supported objects [NASA-CASE-NPO-13157-1] c 37 N74-32918

Chassis unit insert tightening-extract device [NASA-CASE-XMS-01077-1] c 37 N79-33467

Computer circuit card puller [NASA-CASE-FRC-11042-1] c 60 N82-24839

Hermetically sealable package for hybrid solid-state electronic devices and the like [NASA-CASE-MS-20181-1] c 33 N82-28549

Electronic scanning pressure measuring system and transducer package [NASA-CASE-ARC-11361-1] c 35 N84-22934

ELECTRONIC RECORDING SYSTEMS

Propellant mass distribution metering apparatus Patent [NASA-CASE-NPO-10185] c 10 N71-26339

ELECTRONIC TRANSDUCERS

Fiber optic vibration transducer and analyzer Patent [NASA-CASE-XMF-02433] c 14 N71-10616

Transducer circuit and catheter transducer Patent [NASA-CASE-ARC-10132-1] c 09 N71-24597

Failure sensing and protection circuit for converter networks Patent [NASA-CASE-GSC-10114-1] c 10 N71-27366

Electromagnetic transducer recording head having a laminated core section and tapered gap [NASA-CASE-NPO-10711-1] c 35 N77-21392

Distributed-switch Dicke radiometers [NASA-CASE-GSC-12219-1] c 35 N80-18359

Electronic scanning pressure measuring system and transducer package [NASA-CASE-ARC-11361-1] c 35 N84-22934

ELECTRONS

Means and method for calibrating a photon detector utilizing electron-photon coincidence [NASA-CASE-NPO-15644-1] c 35 N84-33767

ELECTROPHORESIS

Electrophoretic sample insertion --- device for uniformly distributing samples in flow path [NASA-CASE-MFS-21395-1] c 25 N74-26948

Apparatus for conducting flow electrophoresis in the substantial absence of gravity [NASA-CASE-MFS-21394-1] c 34 N74-27744

Automatic multiple-sample applicator and electrophoresis apparatus [NASA-CASE-ARC-10991-1] c 25 N78-14104

Portable electrophoresis apparatus using minimum electrolyte [NASA-CASE-NPO-13274-1] c 25 N79-10163

Microelectrophoretic apparatus and process [NASA-CASE-ARC-11121-1] c 25 N79-14169

Electrophoretic fractional elution apparatus employing a rotational seal fraction collector [NASA-CASE-MFS-23284-1] c 37 N80-14397

Method for separating biological cells --- suspended in aqueous polymer systems [NASA-CASE-MFS-23883-1] c 51 N80-16715

Electrophoresis device [NASA-CASE-MFS-25426-1] c 25 N83-10126

Static continuous electrophoresis device [NASA-CASE-MFS-25306-1] c 25 N83-13187

ELECTROPHOTOMETERS

Method and device for detecting voids in low density material Patent [NASA-CASE-MFS-20044] c 14 N71-28993

ELECTROPHYSIOLOGY

Flexible conductive disc electrode Patent [NASA-CASE-FRC-10029] c 09 N71-24618

ELECTROPLATING

Method of plating copper on aluminum Patent [NASA-CASE-XLA-08966-1] c 17 N71-25903

Method of making shielded flat cable Patent [NASA-CASE-MFS-13687] c 09 N71-28691

Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias [NASA-CASE-LEW-10920-1] c 17 N73-24569

Catalyst surfaces for the chromous/chromic redox couple [NASA-CASE-LEW-13148-2] c 44 N81-29524

Method of forming oxide coatings --- for solar collector heating panels [NASA-CASE-LEW-13132-1] c 27 N83-29388

ELECTROSTATIC CHARGE

Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent [NASA-CASE-XAC-05506-1] c 24 N71-16095

Electrostatic measurement system --- for contact-electrifying a dielectric [NASA-CASE-MFS-22129-1] c 33 N75-18477

Use of glow discharge in fluidized beds [NASA-CASE-ARC-11245-1] c 28 N82-18401

ELECTROSTATIC ENGINES

Colloid propulsion method and apparatus Patent [NASA-CASE-XLE-00817] c 28 N70-33265

Ion thruster cathode Patent Application [NASA-CASE-LEW-10814-1] c 28 N70-35422

Ion rocket Patent [NASA-CASE-XLE-00376] c 28 N70-37245

Electrostatic ion rocket engine Patent [NASA-CASE-XLE-02066] c 28 N71-15661

Precision tunable resonant microwave cavity [NASA-CASE-LEW-13935-1] c 33 N85-20248

ELECTROSTATIC GENERATORS

Electrostatic plasma modulator for space vehicle re-entry communication Patent [NASA-CASE-XLA-01400] c 07 N70-41331

Closed loop electrostatic levitation system [NASA-CASE-NPO-15553-1] c 33 N85-29142

ELECTROSTATIC PRECIPITATORS

Fine particulate capture device [NASA-CASE-LEW-11583-1] c 35 N79-17192

Small conductive particle sensor --- microfiber size determination [NASA-CASE-LAR-12552-1] c 35 N82-11431

ELECTROSTATIC PROBES

Apparatus for field strength measurement of a space vehicle Patent [NASA-CASE-XLE-00820] c 14 N71-16014

Liquid-immersible electrostatic ultrasonic transducer [NASA-CASE-LAR-12465-1] c 33 N82-26572

ELECTROSTATIC PROPELLSION

Electrostatic thruster with improved insulators Patent [NASA-CASE-XLE-01902] c 28 N71-10574

Annular slit colloid thruster Patent [NASA-CASE-GSC-10709-1] c 28 N71-25213

ELECTROSTATIC SHIELDING

Ion beam thruster shield [NASA-CASE-LEW-12082-1] c 20 N77-10148

Shielded conductor cable system [NASA-CASE-MS-12745-1] c 33 N81-27397

High voltage isolation transformer [NASA-CASE-GSC-12817-1] c 33 N85-29146

ELECTROSTATICS

Controllable high voltage source having fast settling time [NASA-CASE-GSC-11844-1] c 33 N75-19522

ELECTROTHERMAL ENGINES

Electro-thermal rocket Patent [NASA-CASE-XLE-00267] c 28 N70-33356

Electrothermal rockets having improved heat exchangers Patent [NASA-CASE-XLE-01783] c 28 N70-34175

Improved heat exchanger for electrothermal devices [NASA-CASE-LEW-14037-1] c 20 N84-32425

ELEVATION

Optical tracking mount Patent [NASA-CASE-MFS-14017] c 14 N71-26627

Emergency escape system Patent [NASA-CASE-XKS-07814] c 15 N71-27067

Elevated waterproof access floor system and method of making the same [NASA-CASE-ARC-11363-1] c 31 N83-28281

ELEVATORS (LIFTS)

Centrifuge mounted motion simulator Patent [NASA-CASE-XAC-00399] c 11 N70-34815

Cable stabilizer for open shaft cable operated elevators [NASA-CASE-KSC-10513] c 15 N72-25453

ELEVONS

High speed flight vehicle control Patent [NASA-CASE-XLA-08967] c 02 N71-27088

ELLIPSES

Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079

ELLIPSOMETERS

Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

ELONGATION

Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449

ELUTION

Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397

EMERGENCIES

Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761

EMERGENCY BREATHING TECHNIQUES

Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

EMERGENCY LIFE SUSTAINING SYSTEMS

Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

EMERGENCY LOCATOR TRANSMITTERS

Improved legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226

EMISSION SPECTRA

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

EMITTANCE

Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875

EMITTERS

Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112

EMULSIONS

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

ENAMELS

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

ENCAPSULATING

Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
Onifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528

ENCLOSURES

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213

ENDOSCOPES

Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
Apparatus for endoscopic examination -- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725

ENDOTHERMIC REACTIONS

Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

ENEMY PERSONNEL

Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160

ENERGY ABSORPTION

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201

Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530

Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877

Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959

Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443

Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876

Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460

ENERGY CONSERVATION

Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

ENERGY CONSUMPTION

Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709

ENERGY CONVERSION

Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803

Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234

Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109

Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524

Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402

Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581

Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582

ENERGY CONVERSION EFFICIENCY

Trode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134

Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798

Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475

Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472

Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777

Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175

Bi-directional control system for energy flow in a solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N84-32913

ENERGY DISSIPATION

Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850

Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369

ENERGY DISTRIBUTION

Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

ENERGY GAPS (SOLID STATE)

Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251

ENERGY LEVELS

High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877

Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444

ENERGY POLICY

Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675

Thermal energy storage system -- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667

Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401

Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933

Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580

Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599

Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525

Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526

Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529

Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432

Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433

Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810

Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828

Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835

Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558

Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475

Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255

Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912

ENERGY SOURCES

Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311

Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522

Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

ENERGY STORAGE

Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713

Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331

Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686

Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422

Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

Negative electrode catalyst for the iron-chromium REDOX energy storage system
[NASA-CASE-LEW-14028-1] c 44 N84-32909

ENERGY TECHNOLOGY

Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582

Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529

Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526

Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528

Solar cell module assembly μ g
[NASA-CASE-XGS-00829-1] c 44 N79-19447

Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433

Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473

Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017

ENERGY TRANSFER

Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657

ENGINE ANALYZERS

Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345

ENGINE CONTROL

Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030

Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930

- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- ENGINE COOLANTS**
- Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
- Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
- ENGINE DESIGN**
- Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
- Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
- Space vehicle system
[NASA-CASE-MS-C-12561-1] c 18 N76-17185
- Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- ENGINE FAILURE**
- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- ENGINE INLETS**
- Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
- The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
- Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- ENGINE MONITORING INSTRUMENTS**
- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- ENGINE NOISE**
- Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
- Vaneable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
- Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- ENGINE PARTS**
- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
- Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- ENGINE STARTERS**
- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- ENGINE TESTS**
- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- ENGINEERING DRAWINGS**
- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
- ENTHALPY**
- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- ENTRAINMENT**
- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- ENUMERATION**
- Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- ENVIRONMENT SIMULATION**
- Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
- Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
- ENVIRONMENT SIMULATORS**
- Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
- ENVIRONMENTAL CONTROL**
- Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
- Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
- Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
- Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750
- ENVIRONMENTAL ENGINEERING**
- Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
- ENVIRONMENTAL MONITORING**
- System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- ENVIRONMENTAL TESTS**
- Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- ENVIRONMENTS**
- Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
- ENZYMATIC ACTIVITY**
- Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
- ENZYMES**
- Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
- EPICYCLOIDS**
- Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- EPITAXY**
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Method of making macrocrystalline or single crystal semiconductor material and products produced thereby --- epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- EPOXY COMPOUNDS**
- Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
- Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
- EPOXY RESINS**
- Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
- Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
- Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
- Metal (2,4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- EQUATIONS OF MOTION**
- Kinesimetric method and apparatus
[NASA-CASE-MS-C-18929-1] c 39 N83-20280
- EQUIPMENT**
- Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- EQUIPMENT SPECIFICATIONS**
- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
- Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
- Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
- Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
- Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
- Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- EQUIPOTENTIALS**
- Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

ERGOMETERS

Restraint system for ergometer
 [NASA-CASE-MFS-21046-1] c 14 N73-27377
 Ergometer
 [NASA-CASE-MFS-21109-1] c 05 N73-27941
 Tilting table for ergometer and for other biomedical devices
 [NASA-CASE-MFS-21010-1] c 05 N73-30078
 Foot pedal operated fluid type exercising device
 [NASA-CASE-MSC-11561-1] c 05 N73-32014
 Ergometer calibrator --- for any ergometer utilizing rotating shaft
 [NASA-CASE-MFS-21045-1] c 35 N75-15932

EROSION

Thermal shock and erosion resistant tantalum carbide ceramic material
 [NASA-CASE-LAR-11902-1] c 27 N78-17206

ERROR ANALYSIS

Program for computer aided reliability estimation
 [NASA-CASE-NPO-13086-1] c 15 N73-12495
 Bit error rate measurement above and below bit rate tracking threshold
 [NASA-CASE-MSC-12743-1] c 32 N79-10263

ERROR CORRECTING CODES

Error correction method and apparatus for electronic timepieces
 [NASA-CASE-LAR-12654-1] c 33 N83-36357
 Self-correcting electronically scanned pressure sensor
 [NASA-CASE-LAR-12686-1] c 35 N84-14491
 Processing circuit with asymmetry corrector and convolutional encoder for digital data
 [NASA-CASE-MSC-20187-1] c 33 N85-20249
 Reed-Solomon decoder --- applicable to Galileo Project requirements
 [NASA-CASE-NPO-15982-1] c 60 N85-20680

ERROR CORRECTING DEVICES

Automatic fault correction system for parallel signal channels Patent
 [NASA-CASE-XNP-03263] c 09 N71-18843
 Elimination of frequency shift in a multiplex communication system Patent
 [NASA-CASE-XNP-01306] c 07 N71-20814
 Error correcting method and apparatus Patent
 [NASA-CASE-XNP-02748] c 08 N71-22749
 Failure detection and control means for improved drift performance of a gimbaled platform system
 [NASA-CASE-MFS-23551-1] c 04 N76-26175
 Guide for a typewriter
 [NASA-CASE-MFS-15218-1] c 37 N77-19457

ERROR DETECTION CODES

Self-testing and repairing computer Patent
 [NASA-CASE-NPO-10567] c 08 N71-24633

ERROR SIGNALS

Automatic fault correction system for parallel signal channels Patent
 [NASA-CASE-XNP-03263] c 09 N71-18843
 Sampled data controller Patent
 [NASA-CASE-GSC-10554-1] c 08 N71-29033
 Bit error rate measurement above and below bit rate tracking threshold
 [NASA-CASE-MSC-12743-1] c 32 N79-10263
 Apparatus and method for tracking the fundamental frequency of an analog input signal
 [NASA-CASE-ARC-11367-1] c 33 N83-21238
 Trac failure detector
 [NASA-CASE-MFS-25607-1] c 33 N83-34190
 Comparator with noise suppression
 [NASA-CASE-LAR-13151-1] c 33 N85-20247

ERRORS

Analog-to-digital converter
 [NASA-CASE-MSC-13110-1] c 08 N72-22163

ESCAPE CAPSULES

Aerial capsule emergency separation device Patent
 [NASA-CASE-XLA-00115] c 03 N70-33343
 Emergency escape system Patent
 [NASA-CASE-XKS-02342] c 05 N71-11199
 Emergency earth orbital escape device
 [NASA-CASE-MSC-13281] c 31 N72-18859

ESCAPE SYSTEMS

Emergency escape system Patent
 [NASA-CASE-MSC-12086-1] c 05 N71-12345
 Emergency escape system Patent
 [NASA-CASE-XKS-07814] c 15 N71-27067
 Explosively activated egress area
 [NASA-CASE-LAR-12624-1] c 01 N83-35992

ESCHERICHIA

Method for detecting coliform organisms
 [NASA-CASE-ARC-11322-1] c 51 N83-28849

ESTERS

Fluorinated esters of polycarboxylic acids
 [NASA-CASE-MFS-21040-1] c 06 N73-30098

ETCHING

Masking device Patent
 [NASA-CASE-XNP-02092] c 15 N70-42033
 Method for etching copper Patent
 [NASA-CASE-XGS-06306] c 17 N71-16044

High resolution developing of photosensitive resists Patent
 [NASA-CASE-XGS-04993] c 14 N71-17574

Etching of aluminum for bonding Patent
 [NASA-CASE-XMF-02303] c 17 N71-23828

Selective plating of etched circuits without removing previous plating Patent
 [NASA-CASE-XGS-03120] c 15 N71-24047

Plating nickel on aluminum castings Patent
 [NASA-CASE-XNP-04148] c 17 N71-24830

Scanning nozzle plating system --- for etching or plating metals on substrates without masking
 [NASA-CASE-NPO-11758-1] c 31 N74-23065

Method for applying photographic resists to otherwise incompatible substrates
 [NASA-CASE-MSC-18107-1] c 27 N81-25209

Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
 [NASA-CASE-GSC-12515-1] c 33 N81-26360

Liquid immersion apparatus for minute articles
 [NASA-CASE-MFS-25363-1] c 37 N82-12441

Controlled in situ etch-back
 [NASA-CASE-NPO-15625-1] c 76 N83-20789

Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
 [NASA-CASE-LEW-13107-2] c 52 N84-23095

ETHANE
 The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
 [NASA-CASE-ARC-11097-1] c 25 N82-24312

ETHERS
 Method of producing alternating ether siloxane copolymers Patent
 [NASA-CASE-XMF-02584] c 06 N71-20905

Hydroxy terminated perfluoro ethers Patent
 [NASA-CASE-NPO-10768] c 06 N71-27254

Polyurethane resins from hydroxy terminated perfluoro ethers
 [NASA-CASE-NPO-10768-2] c 06 N72-27144

Process of treating cellulosic membrane and alkaline with membrane separator
 [NASA-CASE-GSC-10019-1] c 44 N82-24641

Separator for alkaline electric cells and method of making
 [NASA-CASE-GSC-10017-1] c 44 N82-24643

Toughening reinforced epoxy composites with brominated polymeric additives
 [NASA-CASE-ARC-11427-1] c 24 N83-25791

ETHYL COMPOUNDS
 Precision heat forming of tetrafluoroethylene tubing
 [NASA-CASE-MSC-18430-1] c 37 N82-24491

Ethynyl and substituted ethynyl-terminated polysulfones
 [NASA-CASE-LAR-12931-1] c 27 N84-22747

ETHYLENE OXIDE
 Process for preparing sterile solid propellants Patent
 [NASA-CASE-XNP-01749] c 27 N70-41897

Processing for producing a sterilized instrument Patent
 [NASA-CASE-XNP-09763] c 14 N71-20461

System for sterilizing objects --- cleaning space vehicle systems
 [NASA-CASE-KSC-11085-1] c 54 N81-24724

EUTECTIC ALLOYS
 Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
 [NASA-CASE-GSC-11577-1] c 37 N75-15992

Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
 [NASA-CASE-MFS-22926-1] c 24 N77-27187

Directionally solidified eutectic gamma plus beta nickel-base superalloys
 [NASA-CASE-LEW-12906-1] c 26 N77-32279

Directionally solidified eutectic gamma-gamma nickel-base superalloys
 [NASA-CASE-LEW-12905-1] c 26 N78-18183

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
 [NASA-CASE-GSC-11577-3] c 24 N79-25143

EVACUATING (VACUUM)
 Method for making a heat insulating and ablative structure
 [NASA-CASE-XMS-01108] c 15 N69-24322

Evacuation port seal Patent
 [NASA-CASE-XMF-03290] c 15 N71-23256

Leak detector wherein a probe is monitored with ultraviolet radiation Patent
 [NASA-CASE-ERC-10034] c 15 N71-24896

Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
 [NASA-CASE-LAR-10782-2] c 31 N75-13111

EVAPORATION
 Evaporant holder
 [NASA-CASE-XLA-03105] c 15 N69-27483

EVAPORATIVE COOLING

Tubular sublimatory evaporator heat sink
 [NASA-CASE-ARC-10912-1] c 34 N77-19353

EVAPORATORS

Evaporant source for vapor deposition Patent
 [NASA-CASE-XMF-08065] c 15 N71-20395

Deposition apparatus
 [NASA-CASE-LAR-10541-1] c 15 N72-32487

Thermal control system --- removing waste heat from industrial process spacecraft
 [NASA-CASE-GSC-12771-1] c 34 N84-14461

Multi-leg heat pipe evaporator
 [NASA-CASE-MSC-20812-1] c 34 N84-32748

EXAMINATION

Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
 [NASA-CASE-MFS-23315-1] c 76 N78-24950

Method of examining microcircuit patterns
 [NASA-CASE-NPO-16299-1] c 33 N85-20250

EXCITATION

Magnetically switched power supply systems for lasers
 [NASA-CASE-NPO-16402-1] c 36 N85-29265

EXCLUSION

Counter pumping debris excluder and separator --- gas turbine shaft seals
 [NASA-CASE-LEW-11855-1] c 07 N78-25090

EXHAUST EMISSION

Apparatus and method for destructive removal of particles contained in flowing fluid
 [NASA-CASE-NPO-15426-1] c 35 N84-17555

EXHAUST GASES

Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
 [NASA-CASE-XMF-01813] c 28 N70-41582

Gas turbine exhaust nozzle --- for noise reduction
 [NASA-CASE-LEW-11569-1] c 07 N74-15453

Abating exhaust noises in jet engines
 [NASA-CASE-ARC-10712-1] c 07 N74-33218

Exhaust flow deflector --- for ducted gas flow
 [NASA-CASE-LAR-11570-1] c 34 N76-18364

Gas turbine engine with recirculating bleed
 [NASA-CASE-LEW-12452-1] c 07 N78-25089

High performance ammonium nitrate propellant
 [NASA-CASE-NPO-14260-1] c 28 N79-28342

Supercritical fuel injection system
 [NASA-CASE-LEW-12990-1] c 07 N81-29129

EXHAUST NOZZLES

Annular rocket motor and nozzle configuration Patent
 [NASA-CASE-XLE-00078] c 28 N70-33284

Nozzle Patent
 [NASA-CASE-XLA-00154] c 28 N70-33374

Penshape exhaust nozzle for supersonic engine Patent
 [NASA-CASE-XLE-00057] c 28 N70-38711

Ejection unit Patent
 [NASA-CASE-XNP-00676] c 15 N70-38996

Two dimensional wedge/translating shroud nozzle
 [NASA-CASE-LAR-11919-1] c 07 N78-27121

Variable area exhaust nozzle
 [NASA-CASE-LEW-12378-1] c 07 N79-14097

Noise suppressor for turbo fan jet engines
 [NASA-CASE-ARC-10812-1] c 07 N83-33884

Apparatus and method for jet noise suppression
 [NASA-CASE-LAR-11903-2] c 71 N84-14873

EXOTHERMIC REACTIONS

Ambient cure polyimide foams --- thermal resistant foams
 [NASA-CASE-ARC-11170-1] c 27 N79-11215

Exothermic furnace module
 [NASA-CASE-MFS-25707-1] c 35 N82-26631

Thermal control system --- removing waste heat from industrial process spacecraft
 [NASA-CASE-GSC-12771-1] c 34 N84-14461

EXPANDABLE STRUCTURES

Connector strips-positive, negative and T tabs
 [NASA-CASE-XGS-01395] c 03 N69-21539

Reflector space satellite Patent
 [NASA-CASE-XLA-00138] c 31 N70-37981

Foldable conduit Patent
 [NASA-CASE-XLE-00620] c 32 N70-41579

Collapsible high gain antenna
 [NASA-CASE-KSC-10392] c 07 N73-26117

Expandable space frames
 [NASA-CASE-ERC-10365-1] c 31 N73-32749

Means for accommodating large overstrain in lead wires --- by stong extra length of wire in stretchable loop
 [NASA-CASE-LAR-10168-1] c 33 N74-22865

Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
 [NASA-CASE-GSC-12331-1] c 18 N80-14183

Synchronously deployable truss structure
 [NASA-CASE-LAR-13117-1] c 18 N84-16250

Protective telescoping shield for solar concentrator
 [NASA-CASE-NPO-16236-1] c 44 N84-25164

- EXPANSION**
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- EXPERIMENT DESIGN**
Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- EXPIRED AIR**
Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- EXPLOSIONS**
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- EXPLOSIVE DEVICES**
Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097
- EXPLOSIVE FORMING**
Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
- EXPLOSIVE WELDING**
Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
- EXPLOSIVES**
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- EXPONENTIAL FUNCTIONS**
Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
- EXPOSURE**
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- EXPULSION**
Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- EXPULSION BLADDERS**
Expulsion bladder-equipped storage tank structure Patent
[NASA-CASE-XNP-00612] c 11 N70-38182
- EXTENSIONS**
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- EXTENSOMETERS**
Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- EXTERNAL COMBUSTION ENGINES**
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- EXTERNAL STORE SEPARATION**
Remote pivot decoupler pylon Wing/store suppression
[NASA-CASE-LAR-13173-1] c 05 N85-19981
Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- EXTERNAL STORES**
Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- EXTERNAL TANKS**
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- EXTRACTION**
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
- EXTRAVEHICULAR ACTIVITY**
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
Life support system
[NASA-CASE-MSC-12411-1] c 05 N72-20096
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758
- EXTREMELY LOW RADIO FREQUENCIES**
VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
- EXTRUDING**
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- EYE (ANATOMY)**
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639
- EYE DISEASES**
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639
- EYE EXAMINATIONS**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- EYEPIECES**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
- F**
- FABRICATION**
Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
- Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
GaAs Schottky barrier photo-responsive device and method of fabrication --- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268
Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- FABRICS**
Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238
Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- FABRY-PEROT INTERFEROMETERS**
Retroreflective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
- FACSIMILE COMMUNICATION**
Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

FACTORIAL DESIGN

Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194

Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195

FAIL-SAFE SYSTEMS

Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262

Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903

Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527

Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254

Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013

FAILURE ANALYSIS

Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537

Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

FAILURE MODES

High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490

Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

FAIRINGS

Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853

Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

FALLING SPHERES

Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587

FAR INFRARED RADIATION

Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389

FAR ULTRAVIOLET RADIATION

Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641

FARADAY EFFECT

Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

FAST FOURIER TRANSFORMATIONS

Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651

FASTENERS

Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705

Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493

All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799

Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653

Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686

Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851

Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076

Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531

Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254

Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035

Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975

Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678

Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467

One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571

Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285

Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335

FATIGUE (MATERIALS)

Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360

TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387

FATIGUE LIFE

Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505

Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052

High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490

High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359

Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493

FATIGUE TESTING MACHINES

Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234

Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136

FATIGUE TESTS

Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003

Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537

Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221

FATS

Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

FECES

Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192

FEED SYSTEMS

Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694

Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929

Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102

Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227

Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214

Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406

Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188

Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231

Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154

Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406

FEEDBACK

Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172

Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254

FEEDBACK AMPLIFIERS

Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058

Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859

Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860

FEEDBACK CIRCUITS

Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317

Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418

Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669

Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258

Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175

Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356

FEEDBACK CONTROL

Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594

Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595

BCD to decimal decoder Patent
[NASA-CASE-KKS-06167] c 08 N71-24890

A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033

A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613

Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004

Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049

Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428

The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428

System and method for tracking a signal source --- employing feedback control
[NASA-CASE-HQN-10880-1] c 17 N78-17140

Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340

Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078

Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421

Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885

Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661

Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142

Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

FEEDBACK FREQUENCY MODULATION

Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372

Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205

Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

FEEDERS

Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778

FELTS

Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221

FEMALES

Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N78-27750

Urine collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

FERMENTATION

Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

FERRITES

Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032

Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257

FERROFLUIDS

Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284

FERROMAGNETIC MATERIALS

Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335

FERROMAGNETISM

High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248

FIBER COMPOSITES

Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
Light weight fire resistant graphite composites
[NASA-CASE-ARC-11615-1-SB] c 24 N85-28976
Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027

FIBER OPTICS

Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
Apparatus for fiber optic liquid level sensing
[NASA-CASE-MS-C-18674-1] c 74 N81-24907
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MS-C-18627-1] c 74 N82-30071
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
Low loss splicing method for single-mode optical fiber
[NASA-CASE-NPO-16294-1] c 74 N84-33179
Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749

FIBER REINFORCED COMPOSITES

Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450

FIBER RELEASE

Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954

FIBER STRENGTH

Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385
Method for strengthening boron fibers
[NASA-CASE-LEW-13826-2] c 24 N84-24711
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436

FIBERS

Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150

Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MS-C-18934-3] c 24 N82-26387
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745

FIELD EFFECT TRANSISTORS

Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601
Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
Hybrid power semiconductor switch
[NASA-CASE-LEW-13922-1] c 33 N84-11389
FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N84-33211

FIELD EMISSION

Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149

FIELD OF VIEW

Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139

FILAMENT WINDING

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

FILAMENTS

Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752

FILLERS

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805

FILM COOLING

Multilist film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433

FILM THICKNESS

Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
Degassing and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MS-C-18936-1] c 35 N83-29652
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112

FILMS

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

FILTERS

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608

FILTRATION

Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

FINGERES

Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 54 N84-11761

FINS

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

FIRE EXTINGUISHERS

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
Fire extinguishing materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

FIRE PREVENTION

Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
Fire resistant polymers based on 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diamino benzenes
[NASA-CASE-ARC-11512-2] c 27 N85-21362

FIREPROOFING

Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MS-C-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MS-C-14331-2] c 27 N78-17213
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

FIRES

FIRES

Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
Hydrogen fire detection system with logic circuit to
analyze the spectrum of temporal variations of the optical
spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

FIRING (IGNITING)
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

FITTINGS
Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389
Apparatus for adapting an end effector device remotely
controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N84-11501
Self-indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N84-20860
Tube coupling device
[NASA-CASE-MFS-25964-1] c 37 N85-20378

FIXED WINGS
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

FIXTURES
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
Apparatus for positioning modular components on a
vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
Fixture for environmental exposure of structural
materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

FLAME PROBES
Flame detector operable in presence of proton
radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

FLAME RETARDANTS
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Catalysts for polyimide foams from aromatic isocyanates
and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Crystalline polyimides --- reinforcing fibers for high
temperature composites and adhesives as well as flame
retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
Heat sealable, flame and abrasion resistant coated fabric
--- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238
Elastomer coated filler and composites thereof
comprising at least 60% by weight of a hydrated filler and
an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
The 1 - (dialkoxylphosphonyl)methyl -2,4- and -2,6-
dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
Heat sealable, flame and abrasion resistant coated
fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
Vinyl styrylpyridines and their copolymerization with
bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341
Fire resistant polymers based on
1-((dialkoxylphosphonyl)methyl)-2,4-
-2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
Fire and heat resistant laminating resins based on
maleimido substituted aromatic cyclophosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394

FLAME SPRAYING
Method of coating carbonaceous base to prevent
oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301

Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

FLAME TEMPERATURE
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357

FLAMES
Temperature reducing coating for metals subject to
flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403

FLAMMABILITY
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
Compound oxidized styrylphosphine --- flame resistant
vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Vita-violet process for producing flame resistant
polyamides and products produced thereby --- protective
clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
Fire resistant polymers based on
1-((dialkoxylphosphonyl)methyl)-2,4-
-2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
Light weight fire resistant graphite composites
[NASA-CASE-ARC-11615-1-SB] c 24 N85-28976

FLANGES
Cassegrainian antenna subreflector flange for suppressing
ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Anti-glare improvement for optical imaging systems
Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562

FLAPS (CONTROL SURFACES)
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
Reversed cow flap inlet thrust augmentor --- with
adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736

FLARED BODIES
Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

FLASH LAMPS
Active lamp pulse driver circuit --- optical pumping of
laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189

FLAT CONDUCTORS
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
Method and apparatus for preparing multiconductor
cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

FLAT PLATES
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
Two-dimensional scanner apparatus --- flaw detector in
small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928

FLEXIBILITY
Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Nozzle extraction process and handmeter for
measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
Safety flywheel --- using flexible materials energy
storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527

FLEXIBLE BODIES

Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
Deflective rod switch with elastic support and sealing
means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
Fluid impervious barrier including liquid metal alloy and
method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
Deployable flexible ventral fins for use as an emergency
spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
Internally supported flexible duct joint --- device for
conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163

FLEXIBLE WINGS
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038

FLEXING
Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492

FLIGHT
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692

FLIGHT ALTITUDE
Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
Terminal guidance system --- for guiding aircraft into
preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
Apparatus for measuring an aircraft's speed and
height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
System for providing an integrated display of
instantaneous information relative to aircraft altitude,
heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
Sideloading laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443

FLIGHT CLOTHING
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758

FLIGHT CONTROL
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Mechanically limited, electrically operated hydraulic
valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
Numerical computer peripheral interactive device with
manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
G-load measuring and indicator apparatus --- for
aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014
Apparatus for damping operator induced oscillations of
a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522

FLIGHT CREWS
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285

FLIGHT INSTRUMENTS

- Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733

FLIGHT RECORDERS

- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006

FLIGHT SAFETY

- Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641

FLIGHT SIMULATION

- Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663

FLIGHT SIMULATORS

- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
Sideloading laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
Simulator scene display evaluation
[NASA-CASE-ARC-11504-1] c 09 N84-16221
Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N85-19990

FLIGHT TESTS

- Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386

FLIGHT TRAINING

- Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N85-19990

FLIGHT VEHICLES

- Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326

FLIP-FLOPS

- AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547

FLOATING

- Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

FLOATS

- Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820

FLOORS

- Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281

FLOTATION

- Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748

FLOW CHAMBERS

- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1-CU] c 35 N85-29219

FLOW DIRECTION INDICATORS

- Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295

FLOW DISTRIBUTION

- Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783
Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

FLOW MEASUREMENT

- Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577
Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273
Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N84-25015
Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216

FLOW REGULATORS

- Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577
Combined inlet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922

- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253

FLOW RESISTANCE

- Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783

FLOW STABILITY

- Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504

FLOW VELOCITY

- Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
Improved fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N85-30286
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195

FLOW VISUALIZATION

- Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

FLOWMETERS

- Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018

Leak detector
 [NASA-CASE-MFS-21761-1] c 35 N75-15931
 System for measuring three fluctuating velocity components in a turbulently flowing fluid
 [NASA-CASE-ARC-10974-1] c 34 N77-27345
 Automatic flowmeter calibration system
 [NASA-CASE-KSC-11076-1] c 34 N81-26402
 Miniature electrooptical air flow sensor
 [NASA-CASE-LAR-13065-1] c 35 N85-20295
 State-of-charge coulometer
 [NASA-CASE-NPO-15759-1] c 35 N85-21596
 Improved fluid flow meter for measuring the rate of fluid flow in a conduit
 [NASA-CASE-MFS-28030-1] c 35 N85-30286

FLUID AMPLIFIERS
 Fluid jet amplifier
 [NASA-CASE-XLE-03512] c 12 N69-21466
 Multway vortex valve system Patent
 [NASA-CASE-XMF-04709] c 15 N71-15609
 Shear modulated fluid amplifier Patent
 [NASA-CASE-MFS-10412] c 12 N71-17578
 Rocket thrust throttling system
 [NASA-CASE-LEW-10374-1] c 28 N73-13773
 Fluid pressure amplifier and system
 [NASA-CASE-LAR-10868-1] c 33 N74-11050
 Fluid thrust control system --- for liquid propellant rocket engines
 [NASA-CASE-XMF-05964-1] c 20 N79-21124

FLUID DYNAMICS
 Degassing and mixing apparatus for liquids --- potable water for spacecraft
 [NASA-CASE-MS-C-18936-1] c 35 N83-29652

FLUID FILLED SHELLS
 Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
 [NASA-CASE-NPO-14596-3] c 31 N83-31896

FLUID FILMS
 Journal bearings --- for lubricant films
 [NASA-CASE-LEW-11076-1] c 37 N74-21061
 Fluid journal bearings
 [NASA-CASE-LEW-11076-4] c 37 N76-15461
 Fluid seal for rotating shafts
 [NASA-CASE-LEW-11676-1] c 37 N76-22541

FLUID FILTERS
 Liquid-gas separator for zero gravity environment Patent
 [NASA-CASE-XMS-01492] c 05 N70-41297
 High pressure filter Patent
 [NASA-CASE-XNP-00732] c 28 N70-41447
 Water separating system Patent
 [NASA-CASE-XMS-13052] c 14 N71-20427
 Fluid control apparatus and method
 [NASA-CASE-LAR-11110-1] c 34 N75-26282
 Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line
 [NASA-CASE-MS-C-14273-1] c 34 N75-33342
 Quick disconnect filter coupling
 [NASA-CASE-MFS-22323-1] c 37 N76-14463
 Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
 [NASA-CASE-MS-C-16841-1] c 34 N79-24285
 Air removal device --- life support systems
 [NASA-CASE-XLA-8914-2] c 25 N82-21269
 Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
 [NASA-CASE-GSC-12158-1] c 51 N83-27569

FLUID FLOW
 Fluid jet amplifier
 [NASA-CASE-XLE-03512] c 12 N69-21466
 Pneumatic system for controlling and actuating pneumatic cyclic devices
 [NASA-CASE-XMS-04843] c 03 N69-21469
 Full flow with shut off and selective drainage control valve Patent application
 [NASA-CASE-ERC-10208] c 15 N70-10867
 Conical valve plug Patent
 [NASA-CASE-XLE-00715] c 15 N70-34859
 Pressure regulating system Patent
 [NASA-CASE-XNP-00450] c 15 N70-38603
 Antiflutter ball check valve Patent
 [NASA-CASE-XNP-01152] c 15 N70-41811
 Inductive liquid level detection system Patent
 [NASA-CASE-XLE-01609] c 14 N71-10500
 Multway vortex valve system Patent
 [NASA-CASE-XMF-04709] c 15 N71-15609
 Heated element fluid flow sensor Patent
 [NASA-CASE-MS-C-12084-1] c 12 N71-17569
 Multiple orifice throttle valve Patent
 [NASA-CASE-XNP-09698] c 15 N71-18580
 Fluid flow meter with comparator reference means Patent
 [NASA-CASE-XGS-01331] c 14 N71-22996
 Pressure transducer calibrator Patent
 [NASA-CASE-XNP-01660] c 14 N71-23036

Dual latching solenoid valve Patent
 [NASA-CASE-XMS-05890] c 09 N71-23191
 Gas low pressure low flow rate metering system Patent
 [NASA-CASE-FRC-10022] c 12 N71-26546
 Electrohydrodynamic control valve Patent
 [NASA-CASE-NPO-10416] c 12 N71-27332
 Fluid jet amplifier Patent
 [NASA-CASE-XLE-09341] c 12 N71-28741
 Nuclear mass flowmeter
 [NASA-CASE-MFS-20485] c 14 N72-11365
 Flow rate switch
 [NASA-CASE-NPO-10722] c 09 N72-20199
 Torsional disconnect unit
 [NASA-CASE-NPO-10704] c 15 N72-20445
 Capacitive tank gaging apparatus being independent of liquid distribution
 [NASA-CASE-MFS-21629] c 14 N72-22442
 Cryogenic feedthrough
 [NASA-CASE-LAR-10031] c 15 N72-22484
 Geysering inhibitor for vertical cryogenic transfer pipe
 [NASA-CASE-KSC-10615] c 15 N73-12486
 Pump for delivering heated fluids
 [NASA-CASE-NPO-11417] c 15 N73-24513
 Flow control valve --- for high temperature fluids
 [NASA-CASE-NPO-11951-1] c 37 N74-21065
 Apparatus for establishing flow of a fluid mass having a known velocity
 [NASA-CASE-MFS-21424-1] c 34 N74-27730
 Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
 [NASA-CASE-MFS-19193-1] c 37 N75-19686
 Flow measuring apparatus
 [NASA-CASE-LEW-12078-1] c 35 N75-30503
 Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line
 [NASA-CASE-MS-C-14273-1] c 34 N75-33342
 Combined dual scatter, local oscillator laser Doppler velocimeter
 [NASA-CASE-ARC-10642-1] c 36 N76-14447
 Externally supported internally stabilized flexible duct joint
 [NASA-CASE-MFS-19194-1] c 37 N76-14460
 Vortex generator for controlling the dispersion of effluents in a flowing liquid
 [NASA-CASE-LAR-12045-1] c 34 N77-24423
 Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
 [NASA-CASE-ARC-10970-1] c 36 N77-25501
 Accumulator
 [NASA-CASE-MFS-19287-1] c 34 N77-30399
 Apparatus for measuring a sorbate dispersed in a fluid stream
 [NASA-CASE-ARC-10896-1] c 35 N78-19465
 Flow compensating pressure regulator
 [NASA-CASE-LEW-12718-1] c 34 N78-25351
 Fluid valve assembly
 [NASA-CASE-MS-C-12731-1] c 37 N78-25426
 Positive isolation disconnect
 [NASA-CASE-MS-C-16043-1] c 37 N79-11402
 Fluid velocity measuring device
 [NASA-CASE-LAR-11729-1] c 34 N79-12359
 Hot foil transducer skin friction sensor
 [NASA-CASE-LAR-12321-1] c 35 N82-24470
 Dual laser optical system and method for studying fluid flow
 [NASA-CASE-MFS-25315-1] c 36 N83-29680
 A two-axis, self-nulling skin friction balance
 [NASA-CASE-LAR-13294-1] c 35 N85-21610
 Improved fluid flow meter for measuring the rate of fluid flow in a conduit
 [NASA-CASE-MFS-28030-1] c 35 N85-30286
 Flow modifying device
 [NASA-CASE-LEW-13562-2] c 07 N85-35195

FLUID INJECTION
 Apparatus for igniting solid propellants Patent
 [NASA-CASE-XLE-00207] c 28 N70-33375
 Method of igniting solid propellants Patent
 [NASA-CASE-XLE-01988] c 27 N71-15634
 Aerodynamic spike nozzle Patent
 [NASA-CASE-XGS-01143] c 31 N71-15647
 Process of forming particles in a cryogenic path Patent
 [NASA-CASE-NPO-10250] c 23 N71-16212
 Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
 [NASA-CASE-XMS-01905] c 12 N71-21089
 Tertiary flow injection thrust vectoring system Patent
 [NASA-CASE-MFS-20831] c 28 N71-29153
 Programmable physiological infusion
 [NASA-CASE-ARC-10447-1] c 52 N74-22771

FLUID JETS
 Propeller blade loading control Patent
 [NASA-CASE-XAC-00139] c 02 N70-34856

FLUID LOGIC
 Logic AND gate for fluid circuits Patent
 [NASA-CASE-XLA-07391] c 12 N71-17579

FLUID MECHANICS
 Leak detector Patent
 [NASA-CASE-LAR-10323-1] c 12 N71-17573
 Parallel-plate viscometer with double diaphragm suspension
 [NASA-CASE-NPO-11387] c 14 N73-14429
 Modified face seal for positive film stiffness
 [NASA-CASE-LEW-12989-1] c 37 N82-12442

FLUID POWER
 Fluid power transmission Patent
 [NASA-CASE-XMS-01445] c 12 N71-16031
 Fluid power transmitting gas bearing Patent
 [NASA-CASE-ERC-10097] c 15 N71-28465

FLUID PRESSURE
 Flow compensating pressure regulator
 [NASA-CASE-LEW-12718-1] c 34 N78-25351
 Self-stabilizing radial face seal
 [NASA-CASE-LEW-12991-1] c 37 N81-24442
 Pressure letdown method and device for coal conversion systems
 [NASA-CASE-NPO-15100-1] c 44 N84-14583
 Damping seal for turbomachinery
 [NASA-CASE-MFS-25842-2] c 37 N85-30341

FLUID ROTOR GYROSCOPES
 Piezoelectric pump Patent
 [NASA-CASE-XNP-05429] c 26 N71-21824

FLUID SWITCHING ELEMENTS
 Booster tank system Patent
 [NASA-CASE-MS-C-12390] c 27 N71-29155

FLUID TRANSMISSION LINES
 Low heat leak connector for cryogenic system
 [NASA-CASE-XLE-02367-1] c 31 N79-21225

FLUIDIC CIRCUITS
 Technique of duplicating fragile core
 [NASA-CASE-XLA-07829] c 15 N72-16329
 Flow measuring apparatus
 [NASA-CASE-LEW-12078-1] c 35 N75-30503

FLUIDICS
 Fluidic-thermochromic display device Patent
 [NASA-CASE-ERC-10031] c 12 N71-18603
 Plasma fluidic hybrid display Patent
 [NASA-CASE-ERC-10100] c 09 N71-33519
 Fluidic proportional thruster system
 [NASA-CASE-ARC-10106-1] c 28 N72-22769
 Fluid pressure amplifier and system
 [NASA-CASE-LAR-10868-1] c 33 N74-11050
 Fluid valve assembly
 [NASA-CASE-MS-C-12731-1] c 37 N78-25426

FLUIDIZED BED PROCESSORS
 Continuous coal processing method
 [NASA-CASE-NPO-13758-2] c 31 N81-15154
 Fluidized bed coal combustion reactor
 [NASA-CASE-NPO-14273-1] c 25 N82-11144
 Solar heated fluidized bed gasification system
 [NASA-CASE-NPO-15071-1] c 44 N82-16475
 Use of glow discharge in fluidized beds
 [NASA-CASE-LAR-11245-1] c 28 N82-18401
 Fluidized bed desulfurization
 [NASA-CASE-NPO-15924-1] c 25 N85-35253

FLUIDS
 Automated fluid chemical analyzer Patent
 [NASA-CASE-XNP-09451] c 06 N71-26754
 Bacitracin detection instrument and method
 [NASA-CASE-GSC-11533-1] c 14 N73-13435
 Low outgassing polydimethylsiloxane material and preparation thereof
 [NASA-CASE-GSC-11358-1] c 06 N73-26100
 Fluid mass sensor for a zero gravity environment
 [NASA-CASE-MS-C-14653-1] c 35 N77-19385
 Self-charging metering and dispensing device for fluids
 [NASA-CASE-MS-C-20275-1] c 35 N85-21595

FLUORESCENCE
 Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
 [NASA-CASE-XGS-01231] c 14 N70-41676
 Internal work light Patent
 [NASA-CASE-XKS-05932] c 09 N71-26787
 Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
 [NASA-CASE-ARC-10633-1] c 25 N74-26947
 Fluorescence detector for monitoring atmospheric pollutants
 [NASA-CASE-NPO-13231-1] c 45 N75-27585
 Fluorescent radiation converter
 [NASA-CASE-GSC-12528-1] c 74 N81-24900

FLUORIDES
 Self-lubricating fluoride metal composite materials Patent
 [NASA-CASE-XLE-08511] c 18 N71-23710
 Corrosion resistant beryllium Patent
 [NASA-CASE-LEW-10327] c 17 N71-33408

- Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
- FLUORINATION**
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- FLUORINE**
Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- FLUORINE COMPOUNDS**
Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
- FLUORO COMPOUNDS**
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
The 1,1,1-triarylethyl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- FLUOROCARBONS**
Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06774-2] c 06 N72-25150
- FLUOROPOLYMERS**
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- FLUTTER**
Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
Remote pivot decoupler pylon Wing/store suppression
[NASA-CASE-LAR-13173-1] c 05 N85-19981
- FLUTTER ANALYSIS**
Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448
- FLUX (RATE)**
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
- FLUX DENSITY**
Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
- FLUXES**
Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- FLYWHEELS**
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527
Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
Bi-directional control system for energy flow in a solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N84-32913
- FOAMS**
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 27 N84-11297
Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- FOCI**
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
- FOCUSING**
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
Focusing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Multiplate focusing collimator --- for scanning small near radiation sources
[NASA-CASE-MFS-20932-1] c 35 N75-19616
RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- FOG**
Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398
- FOILS (MATERIALS)**
Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- FOLDING**
Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180
- FOLDING STRUCTURES**
Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630
Vanable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178
Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 54 N84-11761
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 18 N84-16250
Latching mechanism for deployable-restorable columns
[NASA-CASE-LAR-13169-1] c 37 N84-25063
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N84-25164
Foldable self-erecting joint --- space erectable structures
[NASA-CASE-MSC-20635-1] c 18 N84-32424
- FOOD**
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- FOOTPRINTS**
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- FORCE**
Ferroluic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185
- FORCE DISTRIBUTION**
Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
- FORCED VIBRATION**
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
- FOREBODIES**
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- FORMALDEHYDE**
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
Synthesis of 2,4,8,10-tetroxaspiro[5,5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187
- FORMAT**
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- FORMATES**
Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
- FORMING TECHNIQUES**
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803
Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836

- Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
- Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- Molding apparatus -- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920
- Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
- Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
- Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
- Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
- Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
- Method and apparatus for producing concentric hollow spheres -- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- FOSSIL FUELS**
- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
- FOUNDATIONS**
- Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
- Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383
- FOURIER TRANSFORMATION**
- Continuous Fourier transform method and apparatus -- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
- FRACTIONATION**
- Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
- Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- A spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N83-29325
- FRACTURE MECHANICS**
- Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
- FRACTURE STRENGTH**
- Process for making a high toughness-high strength iron alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- Melt-flow-toughness modified polyimide
[NASA-CASE-LAR-13135-1] c 27 N84-34616
- FRAMES**
- Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
- Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096
- Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
- Laser measuring system for incremental assemblies -- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471
- FRAMING CAMERAS**
- High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411
- FREE FLIGHT TEST APPARATUS**
- Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
- FREE FLOW**
- Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N85-20301
- FREE WING AIRCRAFT**
- Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- FREEZE DRYING**
- Modification of the physical properties of freeze-dried nce
[NASA-CASE-MSC-13540-1] c 05 N72-33096
- FREEZING**
- System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- FREON**
- Solar energy power system -- using Freon
[NASA-CASE-MFS-21628-1] c 44 N75-32581
- FREQUENCIES**
- Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
- High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N85-30201
- FREQUENCY ANALYZERS**
- Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
- Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
- Continuous Fourier transform method and apparatus -- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
- FREQUENCY CONTROL**
- Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
- Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962
- Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
- Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- Automatic frequency marker control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
- Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N83-35228
- High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
- Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
- FREQUENCY CONVERTERS**
- Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
- Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257
- Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874
- FREQUENCY DISCRIMINATORS**
- PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- FREQUENCY DISTRIBUTION**
- Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- FREQUENCY DIVIDERS**
- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
- Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
- Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
- FREQUENCY DIVISION MULTIPLEXING**
- Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
- Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176
- FREQUENCY MEASUREMENT**
- Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386
- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
- Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
- FREQUENCY MODULATION**
- Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
- Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
- Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
- Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
- Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
- Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 32 N83-35227
- FREQUENCY MULTIPLIERS**
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Open loop digital frequency multiplier
[NASA-CASE-MSC-12709-1] c 33 N77-24375
- FREQUENCY RANGES**
- Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
- Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
- Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
- FREQUENCY SCANNING**
- Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

FREQUENCY SHIFT

- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
- Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
- Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- Laser Doppler velocity simulator --- to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321

FREQUENCY SHIFT KEYING

- Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995

FREQUENCY STABILITY

- Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331

FREQUENCY STANDARDS

- Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
- Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
- Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
- Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

FREQUENCY SYNCHRONIZATION

- Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
- Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

FREQUENCY SYNTHESIZERS

- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145

FRICTION

- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231

FRICTION DRAG

- Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922

FRICTION FACTOR

- Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492

FRICTION MEASUREMENT

- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- A two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N85-21610

FRICTION REDUCTION

- Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383

FRICTIONLESS ENVIRONMENTS

- Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617

- Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
- Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223

FROST

- Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
- Device for determining frost depth and density
[NASA-CASE-NFS-25754-1] c 35 N84-28018

FUEL CAPSULES

- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846

FUEL CELL POWER PLANTS

- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403

FUEL CELLS

- Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
- Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
- Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
- Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204
- Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403

FUEL COMBUSTION

- Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958

FUEL CONTROL

- Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
- Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
- Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
- Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
- Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
- Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958

FUEL FLOW

- System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772

FUEL FLOW REGULATORS

- Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

FUEL GAGES

- Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134

FUEL INJECTION

- Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
- Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
- Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
- Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
- Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129

- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958

FUEL OILS

- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

FUEL PUMPS

- Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058

FUEL SYSTEMS

- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
- Supercritical combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
- Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029

FUEL TANK PRESSURIZATION

- Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
- Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929

FUEL TANKS

- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
- Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
- Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
- Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 27 N84-11297
- Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610

FUEL VALVES

- Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
- Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
- Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
- Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426

FUEL-AIR RATIO

- Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195

FUELS

- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

FUNCTION GENERATORS

- Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
- Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
- Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230

FURLABLE ANTENNAS

- Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
- Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169
- Furlable antenna --- antenna design
[NASA-CASE-NPO-13553-1] c 33 N76-32457

FURNACES

- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625

Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
Apparatus and method for heating a material in a transparent ampoule -- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220

FUSELAGES

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

FUSION (MELTING)

Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
Method for fibering ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083

FUSION WELDING

Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
Diffusion welding in air -- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128

G**GADOLINIUM**

Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

GALILEO PROJECT

Reed-Solomon decoder -- applicable to Galileo Project requirements
[NASA-CASE-NPO-15982-1] c 60 N85-20680

GALLIUM

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

GALLIUM ARSENIDES

GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Vapor deposition apparatus -- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192
GaAs Schottky barrier photo-responsive device and method of fabrication -- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268
Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906

GALVANIC SKIN RESPONSE

Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

GAMMA RAY SPECTROMETERS

Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279

GAMMA RAYS

Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
Low intensity X-ray and gamma-ray imaging device -- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281

GANTRY CRANES

Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

GAPS

Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

GARMENTS

Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Flexible joint for pressurizable garment
[NASA-CASE-MS-11072] c 54 N74-32546
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Unne collection apparatus -- feminine hygiene
[NASA-CASE-MS-18381-1] c 52 N81-28740
Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

GAS ANALYSIS

Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
Analysis of volatile organic compounds -- trace amounts of organic volatiles in gas samples
[NASA-CASE-MS-14428-1] c 23 N77-17161
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Stark effect spectrophone for continuous absorption spectra monitoring -- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

GAS BAGS

Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

GAS BEARINGS

Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031

Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
Improved compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N84-22959

GAS CHROMATOGRAPHY

Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

GAS COMPOSITION

Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
Microwave limb sounder -- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
Moisture content and gas sampling device
[NASA-CASE-MS-18866-1] c 35 N85-29213

GAS COOLED REACTORS

Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759

GAS COOLING

Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
Apparatus and method for heating a material in a transparent ampoule -- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220

GAS DENSITY

Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector -- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

GAS DETECTORS

Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442

- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Miniature carbon dioxide sensor and methods
[NASA-CASE-MS-13332-1] c 14 N72-21408
- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
- Carbon monoxide monitor --- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
- Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- GAS DISCHARGE TUBES**
- Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
- GAS DISCHARGES**
- Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- GAS EVOLUTION**
- Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
- GAS EXPANSION**
- Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
- Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
- GAS FLOW**
- Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
- Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
- Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
- Gas filter mounting structure
[NASA-CASE-MS-12297] c 14 N72-23457
- Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
- Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
- Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Condensate removal device for heat exchanger
[NASA-CASE-MS-14143-1] c 77 N75-20139
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- Gas compression apparatus
[NASA-CASE-MS-14757-1] c 35 N78-10428
- Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433
- GAS GENERATORS**
- Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
- Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
- Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
- Vortex breech high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 37 N76-16446
- Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
- Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
- GAS GUNS**
- Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- GAS HEATING**
- Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- GAS INJECTION**
- Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- GAS IONIZATION**
- Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
- A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
- Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- GAS JETS**
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- GAS LASERS**
- Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
- Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
- Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
- Magnetically switched power supply systems for lasers
[NASA-CASE-NPO-16402-1] c 36 N85-29265
- GAS LUBRICANTS**
- Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
- Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
- Centilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490
- GAS MASERS**
- Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
- Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
- Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
- Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
- GAS MIXTURES**
- Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
- Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
- GAS PIPES**
- Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
- GAS PRESSURE**
- Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
- Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
- Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
- Pressure limiting propellant actuating system
[NASA-CASE-MS-18179-1] c 20 N80-18097
- Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14598-3] c 31 N83-31896
- GAS STREAMS**
- Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
- Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MS-16258-1] c 45 N79-12584
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- GAS TEMPERATURE**
- Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
- GAS TRANSPORT**
- Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- GAS TUBES**
- Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- GAS TURBINE ENGINES**
- Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
- Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
- Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
- Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
- Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501

- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
- Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Improved compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N84-22959
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490
- Oxidizing seal for a turbine tip gas path
[NASA-CASE-LEW-14053-1] c 37 N85-34402
- GAS TURBINES**
- Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- Gas turbine exhaust nozzle --- for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
- Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- GAS VALVES**
- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
- Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
- Slow opening valve --- valve design for shuttle portable oxygen system
[NASA-CASE-MSC-20112-1] c 37 N85-20338
- GAS WELDING**
- Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
- Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- GAS-LIQUID INTERACTIONS**
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- GAS-METAL INTERACTIONS**
- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- GASDYNAMIC LASERS**
- Diatomic infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- GASEOUS DIFFUSION**
- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- GASEOUS FISSION REACTORS**
- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- GASEOUS ROCKET PROPELLANTS**
- Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
- GASES**
- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- GASIFICATION**
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- GASKETS**
- Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- GATES (CIRCUITS)**
- Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
- FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N84-33211
- GATES (OPENINGS)**
- Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- GAW-1 AIRFOIL**
- Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
- GEAR TEETH**
- Wobble gear drive mechanism --- for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
- Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
- GEARS**
- Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
- Bi-directional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
- Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 54 N84-11761
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- GELLED ROCKET PROPELLANTS**
- Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- GELS**
- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- GENERAL AVIATION AIRCRAFT**
- Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- GENERATORS**
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- GEODESY**
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- GEODETIC SURVEYS**
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
- GEODIMETERS**
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
- GEOLOGICAL SURVEYS**
- Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
- GEOMETRY**
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- GERMANIUM**
- Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- GIMBALS**
- Gimbaled, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- GLANDS (SEALS)**
- Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- GLASS**
- Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063

- Covered silicon solar cells and method of manufacture --- with polymenc films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- Method of forming shnk-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Glass heating panels and method for prepping the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- GLASS COATINGS**
- Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- Process for glass coating an ion accelerator gnd Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- GLASS ELECTRODES**
- Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- GLASS FIBER REINFORCED PLASTICS**
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- GLASS FIBERS**
- Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
- Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
- Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262
- GLASSWARE**
- Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N84-20808
- GLAUCOMA**
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- GLIDE PATHS**
- Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- GLOBAL POSITIONING SYSTEM**
- High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1-CU] c 04 N84-12151
- Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- GLOBES**
- Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
- GLOVES**
- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
- Heat resistant protective hand coverng
[NASA-CASE-MSC-20261-2] c 54 N84-23113
- Heat resistant protective hand coverng
[NASA-CASE-MSC-20261-1] c 54 N84-28484
- GLOW DISCHARGES**
- Deposition of alloy films --- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- GLUCOSE**
- Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- GLYCOLS**
- Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- GOLD COATINGS**
- Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
- Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- GONDOLAS**
- System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- GRANULAR MATERIALS**
- Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
- Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- GRAPHITE**
- Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- Light weight fire resistant graphite composites
[NASA-CASE-ARC-11615-1-SB] c 24 N85-28976
- Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- GRAPHITE-EPOXY COMPOSITES**
- Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- Improved impact tolerant material
[NASA-CASE-LAR-12887-1] c 24 N84-20649
- GRATINGS (SPECTRA)**
- Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
- Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- GRAVIMETERS**
- Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- GRAVITATION**
- Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- GRAVITATIONAL CONSTANT**
- Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- GRAVITATIONAL EFFECTS**
- Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
- Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803
- GRAVITATIONAL FIELDS**
- Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
- Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- GRAVITY GRADIENT SATELLITES**
- Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969
- GRAVITY GRADIOMETERS**
- Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
- GRAZING INCIDENCE**
- Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- GRIDS**
- Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
- Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
- Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
- Solar cell gnd patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
- GRINDING (MATERIAL REMOVAL)**
- Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- GRINDING MACHINES**
- Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- GRINDING MILLS**
- Improved silicon grinding method and apparatus
[NASA-CASE-NPO-16336-1-CU] c 31 N85-21407
- GROOVES**
- Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
- Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- Spiral groove seal --- for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125
- Monogroove heat pipe design Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- GROUND EFFECT MACHINES**
- Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
- Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
- Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672
- GROUND HANDLING**
- Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
- GROUND STATIONS**
- Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- GROUND SUPPORT EQUIPMENT**
- Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Controlled release device Patent
[NASA-CASE-XKS-0333B] c 15 N71-24043
- Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

- GROUND-AIR-GROUND COMMUNICATION**
 Retrodirective optical system
 [NASA-CASE-XGS-04480] c 16 N69-27491
 Closed loop ranging system Patent
 [NASA-CASE-XNP-01501] c 21 N70-41930
 Location identification system
 [NASA-CASE-ERC-10324] c 07 N72-25173
 Satellite personal communications system
 [NASA-CASE-NPO-14480-1] c 32 N80-20448
- GROUT**
 Antenna grout replacement system
 [NASA-CASE-NPO-15202-1] c 27 N83-34043
- GUARDS (SHIELDS)**
 Safety shield for vacuum/pressure chamber viewing port
 [NASA-CASE-GSC-12513-1] c 31 N81-19343
- GUIDANCE (MOTION)**
 Gravity stabilized flying vehicle Patent
 [NASA-CASE-MS-12111-1] c 02 N71-11039
 Adjustable attitude guide device Patent
 [NASA-CASE-XLA-07911] c 15 N71-15571
 Film feed camera having a detent means Patent
 [NASA-CASE-LAR-10686] c 14 N71-28935
 Two component bearing Patent
 [NASA-CASE-XLA-00013] c 15 N71-29136
 Cable stabilizer for open shaft cable operated elevators
 [NASA-CASE-KSC-10513] c 15 N72-25453
 Thumb actuated two axis controller
 [NASA-CASE-ARC-11372-1] c 08 N83-12098
- GUIDANCE SENSORS**
 Light sensitive digital aspect sensor Patent
 [NASA-CASE-XGS-00359] c 14 N70-34158
 Guidance and maneuver analyzer Patent
 [NASA-CASE-XNP-09572] c 14 N71-15621
 Optical machine tool alignment indicator Patent
 [NASA-CASE-XAC-09489-1] c 15 N71-26673
 Light sensor
 [NASA-CASE-NPO-11311] c 14 N72-25414
 Sun direction detection system
 [NASA-CASE-NPO-13722-1] c 74 N77-22951
 Terminal guidance sensor system
 [NASA-CASE-NPO-14521-1] c 54 N79-20746
 Sun sensing guidance system for high altitude aircraft
 [NASA-CASE-FRC-11052-1] c 04 N82-23231
 Phase sensitive guidance sensor for wire-following vehicles
 [NASA-CASE-NPO-15341-1] c 35 N84-33769
- GUN LAUNCHERS**
 Self-obturator, gas operated launcher
 [NASA-CASE-NPO-11013] c 11 N72-22247
- GUN PROPELLANTS**
 Nitramine propellants --- gun propellant burning rate
 [NASA-CASE-NPO-14103-1] c 28 N78-31255
 Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
 [NASA-CASE-XLE-03186-1] c 09 N79-21084
- GUNN EFFECT**
 Voltage tunable Gunn-type microwave generator Patent
 [NASA-CASE-XER-07894] c 09 N71-18721
 Shielded cathode mode bulk effect devices
 [NASA-CASE-ERC-10119] c 26 N72-21701
 Gunn-type solid state devices
 [NASA-CASE-XER-07895] c 26 N72-25679
 Magnetically actuated tuning method for Gunn oscillators
 [NASA-CASE-NPO-12106] c 09 N73-15235
- GUNS**
 Method of peening and portable peening gun
 [NASA-CASE-MFS-23047-1] c 37 N76-18454
- GYNECOLOGY**
 Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
 [NASA-CASE-GSC-12081-2] c 52 N82-22875
- GYRATORS**
 Gyration type circuit Patent
 [NASA-CASE-XAC-10608-1] c 09 N71-12517
 Gyration employing field effect transistors
 [NASA-CASE-MFS-21433] c 09 N73-20232
 Integrated P-channel MOS gyration
 [NASA-CASE-MFS-22343-1] c 33 N74-34638
 Integrable power gyration --- with Z-matrix design using parallel transistors
 [NASA-CASE-MFS-22342-1] c 33 N75-30428
- GYROSCOPES**
 Externally pressurized fluid bearing Patent
 [NASA-CASE-XMF-00515] c 15 N70-34664
 Air bearing Patent
 [NASA-CASE-XMF-00339] c 15 N70-39896
 Spacecraft experiment pointing and attitude control system Patent
 [NASA-CASE-XLA-05464] c 21 N71-14132
- Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
 [NASA-CASE-NPO-13044-1] c 35 N74-15094
 All sky pointing attitude control system
 [NASA-CASE-ARC-10716-1] c 35 N77-20399
- GYROSCOPIC PENDULUMS**
 Autonomous navigation system --- gyroscopic pendulum for air navigation
 [NASA-CASE-ARC-11257-1] c 04 N81-21047
- GYROSTABILIZERS**
 Passive dual spin misalignment compensators --- gyro stabilized device
 [NASA-CASE-GSC-11479-1] c 35 N74-28097
 Annular momentum control device used for stabilization of space vehicles and the like
 [NASA-CASE-LAR-11051-1] c 15 N76-14158
 Aircraft body-axis rotation measurement system
 [NASA-CASE-FRC-11043-1] c 06 N83-33882
- H**
- HAFNIUM**
 Thermal shock resistant hafnia ceramic material
 [NASA-CASE-LAR-10894-1] c 18 N73-14584
- HALIDES**
 Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
 [NASA-CASE-LEW-10450-1] c 15 N72-25448
 Zinc-halide battery with molten electrolyte
 [NASA-CASE-NPO-11961-1] c 44 N76-18643
 The 1 - (dialkoxophosphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
 [NASA-CASE-ARC-11425-1] c 23 N83-28076
- HALL EFFECT**
 Hall current measuring apparatus having a series resistor for temperature compensation Patent
 [NASA-CASE-XAC-01662] c 14 N71-23037
 Brushless direct current tachometer Patent
 [NASA-CASE-MFS-20385] c 09 N71-24904
 Hall effect transducer
 [NASA-CASE-LAR-10620-1] c 09 N72-25255
 Redundant speed control for brushless Hall effect motor
 [NASA-CASE-MFS-20207-1] c 09 N73-32107
 Hall effect magnetometer
 [NASA-CASE-LEW-11632-2] c 35 N75-13213
 Magnetic field control --- electromechanical torquing device
 [NASA-CASE-MFS-23828-1] c 33 N82-26569
- HALL GENERATORS**
 Hall current measuring apparatus having a series resistor for temperature compensation Patent
 [NASA-CASE-XAC-01662] c 14 N71-23037
- HALOGENS**
 Modified polyurethane foams for fuel-fire Patent
 [NASA-CASE-ARC-10098-1] c 06 N71-24739
- HAMMERS**
 Apparatus for making diamonds
 [NASA-CASE-MFS-20698] c 15 N72-20446
- HAND (ANATOMY)**
 Mechanically actuated triggered hand
 [NASA-CASE-MFS-20413] c 15 N72-21463
 Therapeutic hand exerciser
 [NASA-CASE-LAR-11667-1] c 52 N76-19785
 Compact artificial hand
 [NASA-CASE-NPO-13906-1] c 54 N79-24652
- HANDLING EQUIPMENT**
 Supporting and protecting device Patent
 [NASA-CASE-XMF-00580] c 11 N70-35383
 Device for handling printed circuit cards Patent
 [NASA-CASE-MFS-20453] c 15 N71-29133
- HARDENING (MATERIALS)**
 Method of heat treating age-hardenable alloys
 [NASA-CASE-XNP-01311] c 26 N75-29236
- HARDNESS**
 Deposition of diamondlike carbon films
 [NASA-CASE-LEW-14080-1] c 31 N85-20153
- HARMONIC GENERATORS**
 Wide band doubler and sine wave quadrature generator
 [NASA-CASE-NPO-11133] c 10 N72-20223
- HARNESSES**
 Pressure suit tie-down mechanism Patent
 [NASA-CASE-XMS-00784] c 05 N71-12335
 One hand backpack harness
 [NASA-CASE-LAR-10102-1] c 05 N72-23085
 Shoulder harness and lap belt restraint system
 [NASA-CASE-ARC-10519-2] c 05 N75-25915
- HATCHES**
 Emergency escape system Patent
 [NASA-CASE-MS-12086-1] c 05 N71-12345
- HEAD-UP DISPLAYS**
 Heads up display
 [NASA-CASE-LAR-12630-1] c 06 N84-27733
- HEART FUNCTION**
 Ratemeter
 [NASA-CASE-MFS-20418] c 14 N73-24473
 Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
 [NASA-CASE-ARC-10597-1] c 52 N74-20726
- HEART RATE**
 Digital cardiometer system Patent
 [NASA-CASE-XMS-02399] c 05 N71-22896
 Ratemeter
 [NASA-CASE-MFS-20418] c 14 N73-24473
 Digital computing cardiometer
 [NASA-CASE-MFS-20284-1] c 52 N74-12778
 Pulse transducer with artifact signal attenuator --- heart rate sensors
 [NASA-CASE-FRC-11012-1] c 52 N80-23969
- HEAT**
 Thermionic converter with current augmented by self induced magnetic field Patent
 [NASA-CASE-XLE-01903] c 22 N71-23599
- HEAT EXCHANGERS**
 Electro-thermal rocket Patent
 [NASA-CASE-XLE-00267] c 28 N70-33356
 Space suit heat exchanger Patent
 [NASA-CASE-XMS-09571] c 05 N71-19439
 Dual solid cryogen for spacecraft refrigeration Patent
 [NASA-CASE-GSC-10188-1] c 23 N71-24725
 Shell side liquid metal boiler
 [NASA-CASE-NPO-10831] c 33 N72-20915
 Helium refrigerator and method for decontaminating the refrigerator
 [NASA-CASE-NPO-10634] c 23 N72-25619
 Condensate removal device for heat exchanger
 [NASA-CASE-MS-14143-1] c 77 N75-20139
 Heat exchanger system and method
 [NASA-CASE-LAR-10799-2] c 34 N76-17317
 Heat transfer device
 [NASA-CASE-MFS-22938-1] c 34 N76-18374
 Heat exchanger
 [NASA-CASE-MFS-22991-1] c 34 N77-10463
 Flat-plate heat pipe
 [NASA-CASE-GSC-11998-1] c 34 N77-32413
 Combuster --- low nitrogen oxide formation
 [NASA-CASE-NPO-13958-1] c 25 N79-11151
 Fuel delivery system including heat exchanger means
 [NASA-CASE-LEW-12793-1] c 37 N79-11403
 Heat exchanger --- rocket combustion chambers and cooling systems
 [NASA-CASE-LEW-12252-1] c 34 N79-13288
 Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
 [NASA-CASE-LEW-12441-1] c 34 N79-13289
 Thermal energy transformer
 [NASA-CASE-NPO-14058-1] c 44 N79-18443
 Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
 [NASA-CASE-MS-16182-1] c 54 N80-10799
 Heat exchanger and method of making --- rocket lining
 [NASA-CASE-LEW-12441-2] c 34 N80-24573
 Heat exchanger and method of making
 [NASA-CASE-LEW-12441-3] c 44 N81-24519
 Cycling Joule Thomson refrigerator
 [NASA-CASE-NPO-15251-1] c 31 N83-31897
 Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
 [NASA-CASE-NPO-16257-1] c 31 N85-29082
- HEAT FLUX**
 Heat flux sensor assembly
 [NASA-CASE-XMS-05909-1] c 14 N69-27459
 Heat flux measuring system Patent
 [NASA-CASE-XFR-03802] c 33 N71-23085
 Radial heat flux transformer
 [NASA-CASE-NPO-10828] c 33 N72-17948
- HEAT MEASUREMENT**
 Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
 [NASA-CASE-XAC-10768] c 09 N71-18830
 Specific wavelength colorimeter --- for measuring given solute concentration in test sample
 [NASA-CASE-MS-14081-1] c 35 N74-27860
- HEAT PIPES**
 Heat pipe thermionic diode power system Patent
 [NASA-CASE-XMF-05843] c 03 N71-11055
 Microwave power receiving antenna Patent
 [NASA-CASE-MFS-20333] c 09 N71-13486
 Isothermal cover with thermal reservoirs Patent
 [NASA-CASE-MFS-20355] c 33 N71-25353
 Structural heat pipe --- for spacecraft wall thermal insulation system
 [NASA-CASE-GSC-11619-1] c 34 N75-12222

- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- Multi-leg heat pipe evaporator
[NASA-CASE-MS-C-20812-1] c 34 N84-32748
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- HEAT PUMPS**
- Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
- Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
- Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- HEAT RADIATORS**
- Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
- Radiator deployment actuator Patent
[NASA-CASE-MS-C-11817-1] c 15 N71-26611
- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- HEAT RESISTANT ALLOYS**
- High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
- Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
- Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
- Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
- Cermet composition and method of fabrication --- heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311
- Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
- Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
- Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
- HEAT SHIELDING**
- Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
- Synthesis of polymers Schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Spacecraft Patent
[NASA-CASE-MS-C-13047-1] c 31 N71-25434
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MS-C-12109] c 18 N71-26285
- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MS-C-12619-2] c 27 N79-12221
- Thermal insulation protection means
[NASA-CASE-MS-C-12737-1] c 24 N79-25142
- Installing fiber insulation
[NASA-CASE-MS-C-16973-1] c 37 N81-14317
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MS-C-18134-1] c 37 N81-15363
- Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MS-C-18832-1] c 27 N83-18908
- Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335
- HEAT SINKS**
- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- HEAT SOURCES**
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
- Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MS-C-25707-1] c 35 N85-29214
- HEAT STORAGE**
- Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
- Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- HEAT TRANSFER**
- Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MS-C-12389] c 33 N71-29052
- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
- High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
- Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- Monogroove heat pipe design Insulated liquid channel with bridging wick
[NASA-CASE-MS-C-20497-1] c 34 N85-29180
- HEAT TRANSMISSION**
- Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- HEAT TREATMENT**
- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
- Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MS-C-19693-1] c 26 N78-24333
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

HEATERS

Method for strengthening boron fibers
[NASA-CASE-LEW-13826-2] c 24 N84-24711
Ethylnyl-terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-1] c 27 N84-28988

HEATERS
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935

HEATING
System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128
Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

HEATING EQUIPMENT
Method and apparatus for controllably heating fluid
Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286

HEIGHT
Sideloading laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304

HELICAL ANTENNAS
Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117

HELICOPTER WAKES
Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018

HELICOPTERS
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

HELIOSTATS
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520

HELIUM
Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082

HELIUM HYDROGEN ATMOSPHERES
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334

HELIUM IONS
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402

HELIUM-NEON LASERS
Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536

Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422

HELMETS
Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

HELMHOLTZ RESONATORS
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933

HEMISPHERICAL SHELLS
Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604

HERMETIC SEALS
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

HEXAGONS
Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515

HEXAMETHYLENETETRAMINE
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

HEXOKINASE
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487

HIGH ACCELERATION
Unversal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

HIGH ALTITUDE
Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231

HIGH ALTITUDE BALLOONS
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain
[NASA-CASE-WLP-10055-2] c 35 N85-21598

HIGH ALTITUDE ENVIRONMENTS
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779

HIGH ASPECT RATIO
Landing arrangement for aenal vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286

Landing arrangement for aenal vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

HIGH FREQUENCIES
Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929

HIGH GAIN
Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097

HIGH PASS FILTERS
Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573

HIGH POLYMERS
Variable stiffness polymenc damper
[NASA-CASE-XAC-11225] c 14 N69-27486

HIGH POWER LASERS
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
Magnetically switched power supply systems for lasers
[NASA-CASE-NPO-16402-1] c 36 N85-29265

HIGH PRESSURE
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
Hyperonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
Valve seal with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408
High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N84-16986
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N85-30341

HIGH RESOLUTION
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
High resolution Fourier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
Interferometer --- high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705

HIGH SPEED
Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473

- High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
- Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- Selective data segment monitoring system --- using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
- HIGH SPEED CAMERAS**
- Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
- HIGH STRENGTH**
- Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- HIGH STRENGTH ALLOYS**
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- HIGH STRENGTH STEELS**
- Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions --- by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- Process for making a high toughness-high strength iron alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
- HIGH TEMPERATURE**
- High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
- Method for fibrenizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
- Method of forming ceramic to metal seal
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
- High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
- Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
- Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N84-16986
- Negative electrode catalyst for the iron-chromium REDOX energy storage system
[NASA-CASE-LEW-14028-1] c 44 N84-32909
- Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352
- Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489
- HIGH TEMPERATURE AIR**
- Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
- HIGH TEMPERATURE ENVIRONMENTS**
- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
- Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- Installing fiber insulation
[NASA-CASE-MS-16973-1] c 37 N81-14317
- Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- High temperature penetrator assembly with bayonet plug and ramp-actuated lock
[NASA-CASE-MS-18526-1] c 37 N82-24494
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
- HIGH TEMPERATURE FLUIDS**
- Self-cycling fluid heater
[NASA-CASE-MS-15567-1] c 33 N73-16918
- High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
- HIGH TEMPERATURE GASES**
- Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
- Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
- Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
- Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
- Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- HIGH TEMPERATURE LUBRICANTS**
- Method of making self lubricating fluoride- metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105
- Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
- Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- HIGH TEMPERATURE PLASMAS**
- Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661
- HIGH TEMPERATURE PROPELLANTS**
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- HIGH TEMPERATURE RESEARCH**
- Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
- High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
- HIGH TEMPERATURE TESTS**
- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
- Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- HIGH VACUUM**
- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
- Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
- Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- HIGH VACUUM ORBITAL SIMULATOR**
- Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
- HIGH VOLTAGES**
- Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
- High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201
- High voltage pulse generator Patent
[NASA-CASE-MS-12178-1] c 09 N71-13518
- High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
- High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
- Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- HIGHWAYS**
- Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888
- HINGES**
- Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- HISTOGRAMS**
- Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- HOLDERS**
- Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
- Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
- Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- Compression test apparatus
[NASA-CASE-MS-18723-1] c 35 N83-21312
- Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316
- Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
- Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
- Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829

- Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149
- HOLE DISTRIBUTION (MECHANICS)**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- HOLE MOBILITY**
Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
- HOLLOW**
Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- HOLLOW CATHODES**
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
- HOLOGRAPHIC INTERFEROMETRY**
Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929
- HOLOGRAPHY**
Focused image holography with extended sources
Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
Hybrid holographic system using reflected and transmitted object beams simultaneously
[NASA-CASE-MFS-20074] c 16 N71-15565
Recording and reconstructing focused image holograms
Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
Method and means for recording and reconstructing holograms without use of a reference beam
Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
Multiple image stonng system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402
Optical process for producing classification maps from multispectral data
[NASA-CASE-MS-C-14472-1] c 43 N77-10584
- HOMING DEVICES**
Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- HONEYCOMB CORES**
Method of making inflatable honeycomb
Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
Honeycomb core structures of minimal surface tubule sections
[NASA-CASE-ERC-10363] c 18 N72-25541
- HONEYCOMB STRUCTURES**
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Inflatable honeycomb
Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
Fluid flow control valve
Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Method and apparatus for making a heat insulating and ablative structure
Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
Honeycomb panel and method of making same
Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
Cryogenic thermal insulation
Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
Bonding or repairing process
[NASA-CASE-MS-C-12357] c 15 N73-12489
Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- HOOKS**
Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156
- HORIZON SCANNERS**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Multi-lobar scan horizon sensor
Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
Attitude orientation of spin-stabilized space vehicles
Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
Amplifier clamping circuit for horizon scanner
Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors
Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- HORIZONTAL SPACECRAFT LANDING**
Variable-geometry winged reentry vehicle
Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
- HORIZONTAL TAIL SURFACES**
Translating horizontal tail
Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- HORN ANTENNAS**
Antenna beam-shaping apparatus
Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Parabolic reflector horn feed with spillover correction
Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Horn feed having overlapping apertures
Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
Dual mode horn antenna
Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- HOT CATHODES**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
- HOT PRESSING**
Method of making a cermet
Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
- HOT WORKING**
Method for forming plastic materials
Patent
[NASA-CASE-XMS-05516] c 15 N71-17803
- HOT-WIRE ANEMOMETERS**
Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- HOT-WIRE FLOWMETERS**
Hot wire liquid level detector for cryogenic fluids
Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- HOUSINGS**
Sealed cabinetry
Patent
[NASA-CASE-MS-C-12168-1] c 09 N71-18600
Open type urine receptacle
[NASA-CASE-MS-C-12324-1] c 05 N72-22093
Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
- Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
Cryogenic gyroscope housing --- with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
- HOVERING**
Gravity stabilized flying vehicle
Patent
[NASA-CASE-MS-C-12111-1] c 02 N71-11039
- HUBBLE SPACE TELESCOPE**
System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- HUBS**
Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- HUGONIOT EQUATION OF STATE**
Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
- HULLS (STRUCTURES)**
Hydrofoil
Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
- HUMAN BEINGS**
Skeletal stressing method and apparatus
Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Emergency escape system
Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- HUMAN BODY**
Mass measuring system
Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
Biomedical electrode arrangement
Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Garments for controlling the temperature of the body
Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MS-C-14276-1] c 52 N77-14737
- HUMAN FACTORS ENGINEERING**
Shock absorbing support and restraint means
Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
Harness assembly
Patent
[NASA-CASE-MFS-14671] c 05 N71-12341
Multiple circuit switch apparatus with improved pivot actuator structure
Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
Three-axis finger tip controller for switches
Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
Extravehicular tunnel suit system
Patent
[NASA-CASE-MS-C-12243-1] c 05 N71-24728
EEG sleep analyzer and method of operation
Patent
[NASA-CASE-MS-C-13282-1] c 05 N71-24729
Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
Urine collection apparatus --- feminine hygiene
[NASA-CASE-MS-C-18381-1] c 52 N81-28740
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
Kinesimetric method and apparatus
[NASA-CASE-MS-C-18929-1] c 39 N83-20280
Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N84-33021
Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11543-1] c 54 N85-21986
Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N85-21987
- HUMAN PERFORMANCE**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- HUMAN REACTIONS**
Reaction tester
[NASA-CASE-MS-C-13604-1] c 05 N73-13114
- HUMAN WASTES**
Reduced gravity fecal collector seat and urnal
[NASA-CASE-MFS-22102-1] c 54 N74-20725

Automatic biowaste sampling
 [NASA-CASE-MS-14640-1] c 54 N76-14804
 Absorbent product to absorb fluids --- for collection of human wastes
 [NASA-CASE-MS-18223-1] c 24 N82-29362
 Absorbent product and articles made therefrom
 [NASA-CASE-MS-18223-2] c 54 N84-11758

HUMIDITY
 Passive intrusion detection system
 [NASA-CASE-NPO-13804-1] c 33 N80-23559
 Apparatus for supplying conditioned air at a substantially constant temperature and humidity
 [NASA-CASE-GSC-12191-1] c 31 N80-32583

HYBRID CIRCUITS
 Hermetically sealable package for hybrid solid-state electronic devices and the like
 [NASA-CASE-MS-20181-1] c 33 N82-28549
 Hybrid power semiconductor switch
 [NASA-CASE-LEW-13922-1] c 33 N84-11389
 Integrating IR detector imaging systems
 [NASA-CASE-NPO-15805-1] c 74 N84-28590

HYBRID COMPUTERS
 Adaptive voting computer system
 [NASA-CASE-MS-13932-1] c 62 N74-14920

HYBRID PROPELLANTS
 Solid propellant liner Patent
 [NASA-CASE-XNP-09744] c 27 N71-16392

HYDRAULIC CONTROL
 Shear modulated fluid amplifier Patent
 [NASA-CASE-MFS-10412] c 12 N71-17578
 Multiple orifice throttle valve Patent
 [NASA-CASE-XNP-09698] c 15 N71-18580
 Fluidic-thermochromic display device Patent
 [NASA-CASE-ERC-10031] c 12 N71-18603
 Hydraulic transformer Patent
 [NASA-CASE-MFS-20830] c 15 N71-30028
 Hydraulic drain means for servo-systems
 [NASA-CASE-NPO-10316-1] c 37 N77-22479

HYDRAULIC EQUIPMENT
 Support apparatus for dynamic testing Patent
 [NASA-CASE-XMF-01772] c 11 N70-41677
 Hydraulic support for dynamic testing Patent
 [NASA-CASE-XMF-03248] c 11 N71-10604
 Hydraulic drive mechanism Patent
 [NASA-CASE-XMS-03252] c 15 N71-10658
 Anti-backlash circuit for hydraulic drive system Patent
 [NASA-CASE-XNP-01020] c 03 N71-12260
 Hydraulic grip Patent
 [NASA-CASE-XLA-05100] c 15 N71-17696
 Shock absorber Patent
 [NASA-CASE-XMS-03722] c 15 N71-21530
 Hydraulic casting of liquid polymers Patent
 [NASA-CASE-XNP-07659] c 06 N71-22975
 Energy limiter for hydraulic actuators Patent
 [NASA-CASE-ARC-10131-1] c 15 N71-27754
 Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
 [NASA-CASE-XAC-00048] c 02 N71-29128
 Hydraulic transformer Patent
 [NASA-CASE-MFS-20830] c 15 N71-30028
 Mechanically extendible telescoping boom
 [NASA-CASE-NPO-11118] c 03 N72-25021
 Geysering inhibitor for vertical cryogenic transfer pipe
 [NASA-CASE-KSC-10615] c 15 N73-12486
 Redundant hydraulic control system for actuators
 [NASA-CASE-MFS-20944] c 15 N73-13466
 Combined pressure regulator and shutoff valve
 [NASA-CASE-NPO-13201-1] c 37 N75-15050
 Ultrasonically bonded valve assembly
 [NASA-CASE-NPO-13360-1] c 37 N75-25185
 Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line
 [NASA-CASE-MS-14273-1] c 34 N75-33342
 Quick disconnect filter coupling
 [NASA-CASE-MFS-22323-1] c 37 N76-14463
 Actuator device for artificial leg
 [NASA-CASE-MFS-23225-1] c 52 N77-14735
 Phase-angle controller for Stirling engines
 [NASA-CASE-NPO-14388-1] c 37 N81-17432
 Underground mineral extraction
 [NASA-CASE-NPO-14140-1] c 43 N81-26509
 Gas-to-hydraulic power converter
 [NASA-CASE-MS-18794-1] c 44 N83-14693
 Tubing and cable cutting tool
 [NASA-CASE-LAR-12786-1] c 37 N84-28085

HYDRAULIC FLUIDS
 Free-piston regenerative hot gas hydraulic engine
 [NASA-CASE-LEW-12274-1] c 37 N80-31790

HYDRAULIC JETS
 Warm fog dissipation using large volume water sprays
 [NASA-CASE-MFS-25962-1] c 09 N84-32398

HYDRAZINE ENGINES
 Reciprocating engines
 [NASA-CASE-MS-16239-1] c 37 N81-32510

HYDRAZINE NITROFORM
 Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
 [NASA-CASE-NPO-12015] c 27 N73-16764

HYDRAZINES
 Ignition means for monopropellant Patent
 [NASA-CASE-XNP-00876] c 28 N70-41311
 Solder flux which leaves corrosion-resistant coating Patent
 [NASA-CASE-XNP-03459-2] c 18 N71-15688
 Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions --- by adding potassium hydroxide to hydrazine
 [NASA-CASE-NPO-12122-1] c 24 N76-14203

HYDRIDES
 Ten degree Kelvin hydride refrigerator
 [NASA-CASE-NPO-16393-1-CU] c 31 N85-29084

HYDROCARBON COMBUSTION
 In-situ laser retorting of oil shale
 [NASA-CASE-LEW-12217-1] c 43 N78-14452

HYDROCARBON FUEL PRODUCTION
 Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
 [NASA-CASE-NPO-14315-1] c 27 N81-17261

HYDROCARBON FUELS
 Apparatus for making a metal slurry product Patent
 [NASA-CASE-XLE-00010] c 15 N70-33382
 Hydrogen rich gas generator
 [NASA-CASE-NPO-13342-2] c 44 N76-29700
 Hydrogen rich gas generator
 [NASA-CASE-NPO-13464-2] c 44 N76-29704
 Solar-heated oil shale retort
 [NASA-CASE-NPO-16392-1] c 44 N84-32912

HYDROCARBONS
 Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
 [NASA-CASE-NPO-12015] c 27 N73-16764
 Hydrogen rich gas generator
 [NASA-CASE-NPO-13342-1] c 37 N76-16446
 Combustion engine --- for air pollution control
 [NASA-CASE-NPO-13671-1] c 37 N77-31497
 Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
 [NASA-CASE-NPO-13137-1] c 27 N80-32514

HYDROCHLORIC ACID
 Indicator providing continuous indication of the presence of a specific pollutant in air
 [NASA-CASE-NPO-13474-1] c 45 N76-21742

HYDRODYNAMICS
 Dual clearance squeeze film damper
 [NASA-CASE-LEW-13506-1] c 37 N85-33490

HYDROFOILS
 Hydrofoil Patent
 [NASA-CASE-XLA-00229] c 12 N70-33305

HYDROFORMING
 Hydroforming techniques using epoxy molds Patent
 [NASA-CASE-XLE-05641-1] c 15 N71-26346

HYDROGEN
 Method for detecting hydrogen gas
 [NASA-CASE-XMF-03873] c 06 N69-39733
 Prevention of pressure build-up in electrochemical cells Patent
 [NASA-CASE-XGS-01419] c 03 N70-41864
 Pulse activated polarographic hydrogen detector Patent
 [NASA-CASE-XMF-06531] c 14 N71-17575
 Hydrogen leak detection device Patent
 [NASA-CASE-MFS-11537] c 14 N71-20442
 Analysis of hydrogen-deuterium mixtures
 [NASA-CASE-NPO-11322] c 06 N72-25146
 Hydrogen fire blink detector
 [NASA-CASE-MFS-15063] c 14 N72-25412
 Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
 [NASA-CASE-MS-13335-1] c 06 N72-31140
 Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
 [NASA-CASE-HQN-10654-1] c 16 N73-13489
 Method of producing a storage bulb for an atomic hydrogen maser
 [NASA-CASE-NPO-13050-1] c 36 N75-15029
 Atomic standard with variable storage volume
 [NASA-CASE-GSC-11895-1] c 35 N76-15436
 Hydrogen rich gas generator
 [NASA-CASE-NPO-13342-1] c 37 N76-16446
 Hydrogen-bromine secondary battery
 [NASA-CASE-NPO-13237-1] c 44 N76-18641
 Hydrogen-rich gas generator
 [NASA-CASE-NPO-13464-1] c 44 N76-18642
 Solar hydrogen generator
 [NASA-CASE-LAR-11361-1] c 44 N77-22607
 Solar photolysis of water
 [NASA-CASE-NPO-13675-1] c 44 N77-32580

Method and automated apparatus for detecting coliform organisms
 [NASA-CASE-MS-16777-1] c 51 N80-27067
 Method of cross-linking polyvinyl alcohol and other water soluble resins
 [NASA-CASE-LEW-13103-1] c 27 N80-32516
 Fluidized bed desulfurization
 [NASA-CASE-NPO-15924-1] c 25 N85-35253

HYDROGEN ATOMS
 Atomic hydrogen storage method and apparatus
 [NASA-CASE-LEW-12081-1] c 28 N78-24365
 Atomic hydrogen storage --- cryotrapping and magnetic field strength
 [NASA-CASE-LEW-12081-2] c 28 N80-20402
 Atomic hydrogen storage method and apparatus
 [NASA-CASE-LEW-12081-3] c 28 N81-14103

HYDROGEN EMBRITTEMENT
 Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions --- by adding potassium hydroxide to hydrazine
 [NASA-CASE-NPO-12122-1] c 24 N76-14203

HYDROGEN ENGINES
 Hydrogen-fueled engine
 [NASA-CASE-NPO-13763-1] c 44 N78-33526

HYDROGEN FUELS
 Hydrogen rich gas generator
 [NASA-CASE-NPO-13342-2] c 44 N76-29700
 Hydrogen rich gas generator
 [NASA-CASE-NPO-13464-2] c 44 N76-29704
 Hydrogen-rich gas generator
 [NASA-CASE-NPO-13560-1] c 44 N77-10636
 Combustion engine system
 [NASA-CASE-NPO-14565-2] c 25 N83-19826

HYDROGEN IONS
 Hydrogen hollow cathode ion source
 [NASA-CASE-LEW-12940-1] c 72 N80-33186

HYDROGEN OXYGEN FUEL CELLS
 Electrolytically regenerative hydrogen-oxygen fuel cell Patent
 [NASA-CASE-XLE-04526] c 03 N71-11052
 Passively regulated water electrolysis rocket engine Patent
 [NASA-CASE-XGS-08729] c 28 N71-14044

HYDROGEN PEROXIDE
 Decomposition unit Patent
 [NASA-CASE-XMS-00583] c 28 N70-38504

HYDROGEN PRODUCTION
 Start up system for hydrogen generator used with an internal combustion engine
 [NASA-CASE-NPO-13849-1] c 28 N80-10374
 Thermochemical generation of hydrogen
 [NASA-CASE-NPO-15015-1] c 25 N82-28368

HYDROGENATION
 Production of high purity silicon carbide Patent
 [NASA-CASE-XLA-00158] c 26 N70-36805
 Compact hydrogenator
 [NASA-CASE-NPO-11682-1] c 35 N74-15127
 Fire resistant polymers based on 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diamino benzenes
 [NASA-CASE-ARC-11512-2] c 27 N85-21362

HYDROLOGY
 Radar target for remotely sensing hydrological phenomena
 [NASA-CASE-LAR-12344-1] c 43 N80-18498

HYDROLYSIS
 Hydrodesulfurization of chlorinated coal
 [NASA-CASE-NPO-15304-1] c 25 N83-31743

HYDROSTATIC PRESSURE
 Method and apparatus for simulating gravitational forces on a living organism
 [NASA-CASE-MS-20202-1] c 54 N84-16803

HYDROSTATICS
 Hydrostatic bearing support
 [NASA-CASE-LEW-11158-1] c 37 N77-28486

HYDROXIDES
 Method for determining presence of OH in magnesium oxide
 [NASA-CASE-NPO-10774] c 06 N72-17095
 Separator for alkaline electric batteries and method of making
 [NASA-CASE-GSC-10018-1] c 44 N82-24644
 Synthesis of dawsonites --- for use in fire extinguishing operations
 [NASA-CASE-ARC-11326-1] c 25 N83-33977

HYDROXYL COMPOUNDS
 Synthesis of polyformals
 [NASA-CASE-ARC-11244-1] c 23 N82-16174

HYGIENE
 Urine collection apparatus --- feminine hygiene
 [NASA-CASE-MS-18381-1] c 52 N81-28740

HYGROMETERS
 Polymeric electrolytic hygrometer
 [NASA-CASE-NPO-13948-1] c 35 N78-25391
 Trace water sensor
 [NASA-CASE-NPO-15722-1] c 35 N85-29212

HYGROSCOPICITY

Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934

HYPERFINE STRUCTURE

Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142

HYPERGOLIC ROCKET PROPELLANTS

Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634

HYPERSONIC AIRCRAFT

Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

HYPERSONIC FLIGHT

Hyperersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

HYPERSONIC FLOW

Hyperersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

HYPERSONIC SPEED

Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144

HYPERSONIC VEHICLES

Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015

HYPERSONIC WIND TUNNELS

Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

HYPERTHERMIA

Hypertermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

HYPERVELOCITY GUNS

Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

HYPERVELOCITY IMPACT

Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130

HYPERVELOCITY PROJECTILES

Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324

HYPERVELOCITY WIND TUNNELS

Hyperersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hyperersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

HYSTERESIS

Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

IDENTIFYING

Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

IGNITERS

Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Remote fire stack igniter --- with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275

Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

IGNITION

Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Device and method for fractionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 14 N84-22596

IGNITION LIMITS

High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518

IGNITION SYSTEMS

Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385

IGNITION TEMPERATURE

Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629

ILLUMINATORS

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292

IMAGE CONTRAST

Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932

IMAGE CONVERTERS

Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841

IMAGE CORRELATORS

Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194
Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

IMAGE DISSECTOR TUBES

Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935

IMAGE ENHANCEMENT

Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

IMAGE FILTERS

Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706

IMAGE INTENSIFIERS

Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

IMAGE PROCESSING

Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768

IMAGE RESOLUTION

Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

IMAGE ROTATION

Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

IMAGE TUBES

Image tube --- deriving electron beam replica of image
[NASA-CASE-GSC-11602-1] c 33 N74-21850
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893

IMAGES

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N85-20868

IMAGING TECHNIQUES

Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
Multiple pass reaimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

- Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
- Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 35 N84-25016
- Optical scanner
[NASA-CASE-GSC-12897-1] c 74 N84-25450
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- IMIDES**
- Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
- Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
- Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- IMINES**
- Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
- Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
- Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
- IMMOBILIZATION**
- Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- IMPACT**
- Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443
- Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
- Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
- IMPACT ACCELERATION**
- Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
- IMPACT DAMAGE**
- Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
- IMPACT LOADS**
- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
- Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
- IMPACT RESISTANCE**
- Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- IMPACT STRENGTH**
- High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- IMPACT TESTING MACHINES**
- Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- IMPACT TESTS**
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- IMPACT TOLERANCES**
- High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
- Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- Improved impact tolerant material
[NASA-CASE-LAR-12887-1] c 24 N84-20649
- IMPEDANCE**
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
- IMPEDANCE MATCHING**
- Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- IMPEDANCE MEASUREMENT**
- High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
- Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- IMPELLERS**
- Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1-CU] c 35 N85-29219
- IMPLANTATION**
- Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
- Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- IMPLANTED ELECTRODES (BIOLOGY)**
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
- IMPLOSIONS**
- Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
- IMPREGNATING**
- Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- IMPULSE GENERATORS**
- Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
- IMPURITIES**
- Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- IN-FLIGHT MONITORING**
- System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- INCIDENCE**
- Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
- INCIDENT RADIATION**
- Solar cell assembly --- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571
- X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
- INCLINATION**
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- INCOHERENT SCATTERING**
- Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
- INDICATING INSTRUMENTS**
- Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
- Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173
- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300
- INDIUM ALLOYS**
- Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- INDIUM COMPOUNDS**
- Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
- INDUCTANCE**
- Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226
- Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455
- INDUCTION HEATING**
- Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
- Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- INDUCTION MOTORS**
- Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
- Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874
- Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
- Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
- Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
- Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
- Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
- Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886
- Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660
- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877
- INDUCTORS**
- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
- Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364

- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- INDUSTRIAL PLANTS**
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
- INDUSTRIAL WASTES**
Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MS-C-14831-1] c 25 N78-10225
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- INERT ATMOSPHERE**
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- INERTIA**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- INERTIAL CONFINEMENT FUSION**
Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- INERTIAL GUIDANCE**
Hermetic sealed vibration damper Patent
[NASA-CASE-MS-C-10959] c 15 N71-26243
- INERTIAL NAVIGATION**
Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- INERTIAL PLATFORMS**
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094
Altitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- INERTIAL REFERENCE SYSTEMS**
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098
- INFLATABLE SPACECRAFT**
Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052
Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
- INFLATABLE STRUCTURES**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
Emergency space-suit helmet
[NASA-CASE-MS-C-10954-1] c 54 N78-18761
Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- INFORMATION RETRIEVAL**
Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- INFRARED DETECTORS**
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
Multispectral scanner optical system
[NASA-CASE-MS-C-18255-1] c 74 N80-33210
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- INFRARED INSTRUMENTS**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373
- INFRARED INTERFEROMETERS**
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
- INFRARED LASERS**
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Gregonan all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- INFRARED RADIATION**
High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N84-26400
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N85-30779
- INFRARED REFLECTION**
Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- INFRARED SCANNERS**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- INFRARED SPECTRA**
Diatomic infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- INFRARED SPECTROMETERS**
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- INFRARED SPECTROSCOPY**
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- INFRASONIC FREQUENCIES**
Resonant infrasonic gauging apparatus
[NASA-CASE-MS-C-11847-1] c 14 N72-11363
- INHIBITORS**
Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- INITIATORS (EXPLOSIVES)**
Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- INJECTION**
Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- INJECTION LASERS**
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- INJECTORS**
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
- INKS**
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
- INLET FLOW**
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- INLET NOZZLES**
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- INLET PRESSURE**
Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
- INOCULATION**
Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
- INORGANIC COATINGS**
Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- INORGANIC COMPOUNDS**
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

- Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- INORGANIC PEROXIDES**
- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
- INPUT**
- Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
- Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- INPUT/OUTPUT ROUTINES**
- Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345
- INSERTION**
- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- INSERTION LOSS**
- Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- INSPECTION**
- Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
- Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
- Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316
- INSTALLING**
- Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
- Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MS-C-18934-3] c 24 N82-26387
- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- INSTRUMENT ERRORS**
- Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- INSTRUMENT FLIGHT RULES**
- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- INSTRUMENT ORIENTATION**
- Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
- Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- Solar energy powered heliotope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- INSTRUMENT PACKAGES**
- Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
- Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
- Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- INSTRUMENTS**
- Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
- Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
- Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Scientific experiment flexible mount
[NASA-CASE-MS-C-12372-1] c 31 N72-25842
- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- INSULATED STRUCTURES**
- Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
- INSULATION**
- Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
- Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226
- Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MS-C-14339-1] c 05 N75-24716
- Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
- Two-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-1] c 27 N76-22377
- Three-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-2] c 27 N76-23426
- Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
- Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- INSULATORS**
- Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
- High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- INTAKE SYSTEMS**
- Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
- The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
- Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
- Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- Reciprocating engines
[NASA-CASE-MS-C-16239-1] c 37 N81-32510
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- INTEGRATED CIRCUITS**
- Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
- Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
- Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MS-C-13907-1] c 10 N73-26230
- Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951
- Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
- Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MS-C-14240-1] c 33 N75-14957
- Integrable power gyrator --- with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428
- Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395
- Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N85-20250
- Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- INTEGRATED OPTICS**
- Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
- INTEGRATORS**
- Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
- Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
- High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- INTERFACES**
- Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092
- LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- INTERFACIAL TENSION**
- Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- INTERFEROMETERS**
- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
- Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694
- Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446
- Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
- High resolution Fourier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- Interferometer --- high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
- Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- INTERFEROMETRY**
- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
- Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

INTERLAYERS

Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

INTERMEDIATE FREQUENCY AMPLIFIERS
Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321

INTERMETALLICS
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
Improved nickel base coating alloy --- oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639
Oxidizing seal for a turbine tip gas path
[NASA-CASE-LEW-14053-1] c 37 N85-34402
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267

INTERNAL COMBUSTION ENGINES
Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826
Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559

INTERPLANETARY SPACE
Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171

INTERPLANETARY SPACECRAFT
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075

INTERPLANETARY TRAJECTORIES
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394

INTRACRANIAL PRESSURE
Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691

INTRAOCULAR PRESSURE
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690

INTRAVEHICULAR ACTIVITY
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

INTRAVENOUS PROCEDURES
Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577

INTRUSION
Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559

INVENTIONS
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

INVERTED CONVERTERS (DC TO AC)
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874

Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542

Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494

INVERTERS
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227

IODINE
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784

IODINE COMPOUNDS
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016

IODINE ISOTOPES
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383
Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379

ION ACCELERATORS
Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959

ION BEAMS
Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767
Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
Improved heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N84-32425
Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N85-20129
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-1] c 26 N85-21324
Generation of intense negative ion beams
[NASA-CASE-NPO-16061-1-CU] c 72 N85-29701

ION CHARGE
Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325

ION CONCENTRATION
Deposition of alloy films --- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270

ION CURRENTS

System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

ION CYCLOTRON RADIATION
Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492

ION DENSITY (CONCENTRATION)
Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

ION ENGINES
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
Ion thruster accelerator system Patent
[NASA-CASE-LEW-110106-1] c 28 N71-26642
Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699
Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N85-20248

ION EXCHANGE MEMBRANE ELECTROLYTES
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268

ION EXCHANGE RESINS
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076

ION EXCHANGING

Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

ION EXTRACTION

Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148

Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959

ION IMPLANTATION

Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360

ION IRRADIATION

Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

ION MOTION

Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016

ION PLATING

Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524

Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695

ION PROBES

Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863

ION PROPULSION

Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802

Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245

Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980

Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197

Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922

Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173

Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642

Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709

Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770

Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771

Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310

Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461

Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162

Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453

Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256

ION PUMPS

Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406

ION SOURCES

Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618

Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046

Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642

High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850

Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464

Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269

Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684

Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186

ION TRAPS (INSTRUMENTATION)

Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

IONIC MOBILITY

Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

IONIZATION CHAMBERS

Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991

Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464

IONIZATION GAGES

Ionization vacuum gauge Patent
[NASA-CASE-XNP-00646] c 14 N70-35666

Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090

Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464

Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391

IONIZATION POTENTIALS

Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678

Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374

IONIZED GASES

Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884

Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641

Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148

Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491

IONIZERS

Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718

Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310

Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184

IONIZING RADIATION

High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201

Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126

IONOSPHERE

Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408

IONOSPHERIC DISTURBANCES

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

IONOSPHERIC ELECTRON DENSITY

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

IONOSPHERIC SOUNDING

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

IONS

Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

IRIDIUM

Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346

IRISES (MECHANICAL APERTURES)

Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170

Thin film microwave irises
[NASA-CASE-LAR-10511-1] c 09 N72-29172

IRON

Negative electrode catalyst for the iron-chromium REDOX energy storage system
[NASA-CASE-LEW-14028-1] c 44 N84-32909

IRON ALLOYS

Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182

Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271

High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

IRON CHLORIDES

Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205

IRON COMPOUNDS

Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

IRRADIATION

Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332

Vitrea-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

IRRIGATION

Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

ISOLATION

High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146

ISOLATORS

Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402

Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

ISOPROPYL ALCOHOL

Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102

ISOTHERMAL LAYERS

Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353

ISOTHERMAL PROCESSES

Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

ISOTOPE SEPARATION

Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

J

JET AIRCRAFT

Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

JET AIRCRAFT NOISE

Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218

Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117

Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

JET AMPLIFIERS

Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466

Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741

JET BLAST EFFECTS

Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874

JET CONTROL
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

JET ENGINES
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429
Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
Stator rotor tools
[NASA-CASE-MS-C-16000-1] c 37 N78-24544
Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MRS-25791-1] c 09 N84-27749

JET EXHAUST
Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

JET FLAPS
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

JET FLOW
Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292

JET MIXING FLOW
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199

JET NOZZLES
Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093

JET PROPULSION
Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121

JET PUMPS
Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

JET THRUST
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039

JETTISON SYSTEMS
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

JIGS
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

JOINING
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

JOINTS (ANATOMY)
Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616

Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749

Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651

JOINTS (JUNCTIONS)
Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Elastic universal joint Patent
[NASA-CASE-NXP-00416] c 15 N70-36947
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128
Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
Flexible joint for pressurizable garment
[NASA-CASE-MS-C-11072] c 54 N74-32546
Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MS-C-18134-1] c 37 N81-15363
Reusable captive blind fastener
[NASA-CASE-MS-C-18742-1] c 37 N82-26673
Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N84-20859
Foldable self-erecting joint --- space erectable structures
[NASA-CASE-MS-C-20635-1] c 18 N84-32424
Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N84-33021
Elbow and knee joint for hard space suits and the like
[NASA-CASE-ARC-11610-1] c 54 N85-20666
Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11543-1] c 54 N85-21986
Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336

JOSEPHSON JUNCTIONS
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

JOULE-THOMSON EFFECT
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897

JOURNAL BEARINGS

Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
Improved compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N84-22959

JUNCTION DIODES
Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590

JUNCTION TRANSISTORS
Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372

K

KAPTON (TRADEMARK)

Coated flexible laminate and method of its production
[NASA-CASE-GSC-12913-1] c 27 N84-24807

KEROGEN

Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912

KEYING

High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814

KIDNEY DISEASES

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

KIDNEYS

Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913

KINETIC ENERGY

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335

KINETIC FRICTION

Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995

KINETICS

Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

KNEE (ANATOMY)

Elbow and knee joint for hard space suits and the like
[NASA-CASE-ARC-11610-1] c 54 N85-20666

KRAFT PROCESS (WOODPULP)

Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

L

LABORATORY EQUIPMENT

Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493

- The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N84-20808
- LACQUERS**
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- LADDERS**
Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974
- LAMINAR FLOW**
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
- Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- LAMINAR FLOW AIRFOILS**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092
- LAMINATES**
Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
- Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21384-1] c 37 N74-18126
- Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331
- Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
- Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- Improved impact tolerant material
[NASA-CASE-LAR-12887-1] c 24 N84-20649
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697
- Coated flexible laminate and method of its production
[NASA-CASE-GSC-12913-1] c 27 N84-24807
- Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzene
[NASA-CASE-ARC-11533-1] c 27 N85-21364
- LANDFORMS**
Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
- LANDING AIDS**
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
- Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- LANDING GEAR**
Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
- Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
- Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
- Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
- Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
- Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
- LANDING MODULES**
Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
- LANDING SIMULATION**
Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
- LANTHANUM COMPOUNDS**
Stabilized lanthanum sulphur compounds --- thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- LARGE SCALE INTEGRATION**
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N85-20250
- LARGE SPACE STRUCTURES**
Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
- Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- LASER ALTIMETERS**
Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- LASER APPLICATIONS**
High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
- Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 36 N84-12463
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N84-16986
- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- LASER CAVITIES**
Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- LASER DOPPLER VELOCIMETERS**
Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- Optical scanner --- laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866
- Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
- Laser Doppler velocity simulator --- to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321
- Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273
- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N84-25015
- Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N85-20320
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216
- LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- LASER DRILLING**
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- LASER FUSION**
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- LASER GUIDANCE**
Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- LASER GYROSCOPES**
Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- LASER HEATING**
Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- LASER INTERFEROMETRY**
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- LASER MATERIALS**
Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- LASER MODE LOCKING**
Laser system with an antiresonant optical ring
[NASA-CASE-HON-10844-1] c 36 N75-19653
- Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Length controlled stabilized mode-lock Nd YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- LASER MODES**
Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- LASER OUTPUTS**
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212

Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895

Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828

Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914

Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722

Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135

Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183

Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536

Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391

Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205

Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009

Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425

Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654

Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655

Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427

Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MS-C-12640-1] c 74 N76-31998

Length controlled stabilized mode-lock Nd YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499

Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255

Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510

High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616

Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305

Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929

Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944

Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N85-20320

Magnetically switched power supply systems for lasers
[NASA-CASE-NPO-16402-1] c 36 N85-29265

Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

LASER PLASMAS

Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416

LASER PUMPING

Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384

Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415

Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542

LASER RANGE FINDERS

Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396

Optical distance measuring instrument
[US-PATENT-APPL-SN-406820] c 74 N83-13982

LASER RANGER/TRACKER

Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125

LASER SPECTROSCOPY

Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

LASER WINDOWS

Optical scanner --- laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866

LASERS

Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400

Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170

Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291

Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410

Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407

A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520

Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397

Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313

Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145

Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091

Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652

Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653

Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427

Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575

Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053

Gregonan all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848

Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549

Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929

Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944

Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065

LATCHES

Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601

Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190

Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649

Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076

Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897

Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162

Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903

Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685

Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499

Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678

Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357

CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732

Self-indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N84-20860

Latching mechanism for deployable-restowable columns
[NASA-CASE-LAR-13169-1] c 37 N84-25063

Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991

LATERAL CONTROL

Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581

Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856

High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108

Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985

LATERAL STABILITY

Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277

LATEX

Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261

Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

LATHES

Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722

Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489

LAUNCH ESCAPE SYSTEMS

Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199

Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718

LAUNCH VEHICLE CONFIGURATIONS

Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076

LAUNCH VEHICLES

A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540

Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779

Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787

LAUNCHERS

Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609

LAUNCHING PADS

Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353

Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259

Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292

LAY-UP

Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

LAYERS

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365

LEACHING

Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471

LEAD (METAL)

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524

Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

LEAD SULFIDES

Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

LEAD TELLURIDES

Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786

Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037

LEADING EDGE FLAPS

Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985

LEADING EDGES

Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242

Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497

- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092
- LEAKAGE**
- Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
- Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
- Onifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- LEG (ANATOMY)**
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
- LENS DESIGN**
- Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
- LENSES**
- High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- LENTICULAR BODIES**
- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- LEVEL (HORIZONTAL)**
- Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- LEVEL (QUANTITY)**
- Sphenical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- LEVELING**
- Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
- Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
- LEVITATION**
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- LEVITATION MELTING**
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- LIFE (DURABILITY)**
- Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Improved heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N84-32425
- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251
- LIFE DETECTORS**
- Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
- LIFE RAFTS**
- Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
- Life raft stabilizer
[NASA-CASE-MS-12393-1] c 02 N73-26006
- Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
- LIFE SUPPORT SYSTEMS**
- Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- Extravehicular tunnel suit system Patent
[NASA-CASE-MS-12243-1] c 05 N71-24728
- Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
- Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
- Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
- Life support system
[NASA-CASE-MS-12411-1] c 05 N72-20096
- Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
- Space suit
[NASA-CASE-MS-12609-1] c 05 N73-32012
- Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
- Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- LIFT**
- Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- LIFT DEVICES**
- Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
- Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
- LIFT DRAG RATIO**
- Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551
- Over the wing propeller
[NASA-CASE-LAR-13134-1] c 05 N85-19980
- LIFTING BODIES**
- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
- Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264
- LIFTING REENTRY VEHICLES**
- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- LIGANDS**
- Carboranyl(methylene)-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- LIGHT (VISIBLE RADIATION)**
- Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
- Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
- Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Light transmitting window assembly
[NASA-CASE-MS-18417-1] c 74 N85-29750
- LIGHT AIRCRAFT**
- Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- LIGHT BEAMS**
- Spectroscopy equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- LIGHT EMITTING DIODES**
- Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- LIGHT GAS GUNS**
- Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
- LIGHT MODULATION**
- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- Lamp modulator
[NASA-CASE-KSC-10565] c 09 N72-25250
- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

LIGHT SCATTERING

The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
 [NASA-CASE-GSC-12088-1] c 74 N78-13874
 Optical system with reflective baffles
 [NASA-CASE-ARC-11502-1] c 74 N84-26400

LIGHT SCATTERING METERS

System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
 [NASA-CASE-MFS-23513-1] c 74 N79-11865

LIGHT SOURCES

Light radiation direction indicator with a baffle of two parallel grnds
 [NASA-CASE-XNP-03930] c 14 N69-24331
 High intensity heat and light unit Patent
 [NASA-CASE-XLA-00141] c 09 N70-33312
 Photosensitive device to detect bearing deviation Patent
 [NASA-CASE-XNP-00438] c 21 N70-35089
 Light position locating system Patent
 [NASA-CASE-XNP-01059] c 23 N71-21821
 Optical systems having spatially invariant outputs
 [NASA-CASE-ERC-10248] c 14 N72-17323
 Ultraportable calibrated light source
 [NASA-CASE-MSC-12293-1] c 14 N72-27411
 Temperature compensated light source using a light emitting diode
 [NASA-CASE-ARC-10467-1] c 09 N73-14214
 Interferometric rotation sensor
 [NASA-CASE-ARC-10278-1] c 14 N73-25463
 Attitude sensor
 [NASA-CASE-LAR-10586-1] c 19 N74-15089
 Very high intensity light source using a cathode ray tube --- electron beams
 [NASA-CASE-XNP-01296] c 33 N75-27250
 Electric arc light source having undercut recessed anode
 [NASA-CASE-ARC-10266-1] c 33 N75-29318
 Uniform variable light source
 [NASA-CASE-NPO-11429-1] c 74 N77-21941

LIGHT TRANSMISSION

Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
 [NASA-CASE-MFS-20074] c 16 N71-15565
 Optical characteristics measuring apparatus Patent
 [NASA-CASE-XNP-08840] c 23 N71-16365
 Optical monitor panel Patent
 [NASA-CASE-XKS-03509] c 14 N71-23175
 Solar cell panels with light transmitting plate
 [NASA-CASE-NPO-10747] c 03 N72-22042
 Optical frequency waveguide and transmission system
 [NASA-CASE-HQN-10541-3] c 23 N72-23695
 Light regulator
 [NASA-CASE-LAR-10836-1] c 26 N72-27784
 Transmitting and reflecting diffuser --- for ultraviolet light
 [NASA-CASE-LAR-10385-2] c 70 N74-13436
 Optical instrument employing reticle having preselected visual response pattern formed thereon
 [NASA-CASE-ARC-10976-1] c 74 N77-22950
 Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
 [NASA-CASE-LAR-10385-3] c 74 N78-15879
 Constant magnification optical tracking system
 [NASA-CASE-NPO-14813-1] c 74 N82-24072
 Light transmitting window assembly
 [NASA-CASE-MSC-18417-1] c 74 N85-29750

LIGHT VALVES

Wide dynamic range video camera
 [NASA-CASE-MFS-25750-1] c 33 N83-35229
 Liquid crystal light valve structures
 [NASA-CASE-MSC-20036-1] c 76 N85-33826

LIGHTING EQUIPMENT

Internal work light Patent
 [NASA-CASE-XKS-05932] c 09 N71-26787
 Pressurized lighting system
 [NASA-CASE-KSC-10644] c 09 N72-27227
 Remote lightning monitor system
 [NASA-CASE-KSC-11031-1] c 33 N79-11315

LIGHTNING

Determining distance to lightning strokes from a single station
 [NASA-CASE-KSC-10698] c 07 N73-20175
 Lightning tracking system
 [NASA-CASE-KSC-10729-1] c 09 N73-32110
 Automatic lightning detection and photographic system
 [NASA-CASE-KSC-10728-1] c 14 N73-32319
 Lightning current measuring systems
 [NASA-CASE-KSC-10807-1] c 33 N75-26246
 Lightning current waveform measuring system
 [NASA-CASE-KSC-11018-1] c 33 N79-10337
 Lightning current detector
 [NASA-CASE-KSC-11057-1] c 33 N79-14305

Lightning discharge identification system
 [NASA-CASE-KSC-11099-1] c 47 N82-24779

LIMBS (ANATOMY)

Prosthesis coupling
 [NASA-CASE-KSC-11069-1] c 52 N79-26772
 Apparatus for determining changes in limb volume
 [NASA-CASE-MSC-18759-1] c 52 N83-27578

LIMITER CIRCUITS

Variable duration pulse integrator Patent
 [NASA-CASE-XLA-01219] c 10 N71-23084
 Noise limiter Patent
 [NASA-CASE-NPO-10169] c 10 N71-24844
 Velocity limiting safety system Patent
 [NASA-CASE-XLA-07473] c 15 N71-24895
 Low level signal limiter
 [NASA-CASE-XLE-04791] c 32 N74-22096
 Inrush current limiter
 [NASA-CASE-GSC-11789-1] c 33 N77-14333

LINE SPECTRA

Stark cell optoacoustic detection of constituent gases in sample
 [NASA-CASE-NPO-14143-1] c 25 N81-14015
 Optical scanner
 [NASA-CASE-GSC-12897-1] c 74 N84-25450

LINEAR ACCELERATORS

Linear accelerator frequency control system Patent
 [NASA-CASE-XGS-05441] c 10 N71-22962

LINEAR ARRAYS

Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
 [NASA-CASE-NPO-13691-1] c 43 N79-17288

LINEAR INTEGRATED CIRCUITS

Integrating IR detector imaging systems
 [NASA-CASE-NPO-15805-1] c 74 N84-28590

LINEAR POLARIZATION

Wide dynamic range video camera
 [NASA-CASE-MFS-25750-1] c 33 N83-35229

LINEAR RECEIVERS

Antenna array at focal plane of reflector with coupling network for beam switching Patent
 [NASA-CASE-GSC-10220-1] c 07 N71-27233

LINEAR SYSTEMS

Linear three-tap feedback shift register Patent
 [NASA-CASE-NPO-10351] c 08 N71-12503
 A m-ary linear feedback shift register with binary logic
 [NASA-CASE-NPO-11868] c 10 N73-20254
 Reciprocating linear motor
 [NASA-CASE-GSC-12773-1] c 33 N83-12332
 Linear magnetic bearings
 [NASA-CASE-GSC-12582-2] c 37 N85-20337

LINEARITY

Semi-linear ball bearing Patent
 [NASA-CASE-XLA-02809] c 15 N71-22982
 Mechanical actuator Patent
 [NASA-CASE-XGS-04548] c 15 N71-24045
 Linear magnetic bearing
 [NASA-CASE-GSC-12517-1] c 37 N83-32067
 Linear motion valve
 [NASA-CASE-MSC-20148-1] c 37 N85-29284
 Instrumentation for sensing moisture content of material using a transient thermal pulse
 [NAS 1 71 NPO-15494-2] c 35 N85-34373

LININGS

Fully plasma-sprayed compliant backed ceramic turbine seal
 [NASA-CASE-LEW-13268-1] c 27 N82-29453
 Steam cooled nch-burn combustor liner
 [NASA-CASE-LEW-13609-1] c 25 N83-17628
 Fully plasma-sprayed compliant backed ceramic turbine seal
 [NASA-CASE-LEW-13268-3] c 37 N83-28450
 Combustor liner construction
 [NASA-CASE-LEW-14035-1] c 07 N84-24577

LINKAGES

Collapsible nozzle extension for rocket engines Patent
 [NASA-CASE-MFS-11497] c 28 N71-16224
 Adjustable force probe
 [NASA-CASE-MFS-20760] c 14 N72-33377
 Locking redundant link
 [NASA-CASE-LAR-11900-1] c 37 N79-14382
 Compensating linkage for main rotor control
 [NASA-CASE-LAR-11797-1] c 05 N81-19087

LIQUEFACTION

Ophthalmic liquefaction pump
 [NASA-CASE-LEW-12051-1] c 52 N75-33640

LIQUID ATOMIZATION

Constant-output atomizer --- Inhalation therapy and aerosol research
 [NASA-CASE-MFS-25631-1] c 34 N84-12406

LIQUID BEARINGS

High speed hybrid bearing comprising a fluid bearing and a rolling bearing convected in series
 [NASA-CASE-LEW-11152-1] c 15 N73-32359

LIQUID CHROMATOGRAPHY

A spillage detector for liquid chromatography systems
 [NASA-CASE-MSC-20206-1] c 25 N83-29325

LIQUID COOLING

Water cooled contactor for anode in carbon arc mechanism
 [NASA-CASE-XMS-03700] c 15 N69-24266
 External liquid-spray cooling of turbine blades Patent
 [NASA-CASE-XLE-00037] c 28 N70-33372
 Solenoid construction Patent
 [NASA-CASE-XNP-01951] c 09 N70-41929
 Laminar flow enhancement Patent
 [NASA-CASE-NPO-10122] c 12 N71-17631
 Space suit heat exchanger Patent
 [NASA-CASE-XMS-09571] c 05 N71-19439
 Power system with heat pipe liquid coolant lines Patent
 [NASA-CASE-MFS-14114-2] c 09 N71-24807
 Power system with heat pipe liquid coolant lines Patent
 [NASA-CASE-MFS-14114] c 33 N71-27862
 Liquid spray cooling method Patent
 [NASA-CASE-XLE-00027] c 33 N71-29152
 Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
 [NASA-CASE-MSC-13917-1] c 05 N72-15098
 Temperature controller for a fluid cooled garment
 [NASA-CASE-ARC-10599-1] c 05 N73-26071
 Heat exchanger system and method
 [NASA-CASE-LAR-10799-2] c 34 N76-17317
 Liquid cooled brassiere and method of diagnosing malignant tumors therewith
 [NASA-CASE-ARC-11007-1] c 52 N77-14736
 Closed loop spray cooling apparatus --- for particle accelerator targets
 [NASA-CASE-LEW-11981-1] c 31 N78-17237
 Low gravity exothermic heating/cooling apparatus
 [NASA-CASE-MSC-25707-1] c 35 N85-29214

LIQUID CRYSTALS

Angular velocity and acceleration measuring apparatus
 [NASA-CASE-ERC-10292] c 14 N72-25410
 Electricity measurement devices employing liquid crystalline materials
 [NASA-CASE-ERC-10275] c 26 N72-25680
 Liquid crystal light valve structures
 [NASA-CASE-MSC-20036-1] c 76 N85-33826

LIQUID FILLED SHELLS

Liquid rocket system Patent
 [NASA-CASE-XNP-00610] c 28 N70-36910
 Fluid sample collector Patent
 [NASA-CASE-XMS-06767-1] c 14 N71-20435
 Fluid containers and resealable septum therefor Patent
 [NASA-CASE-NPO-10123] c 15 N71-24835
 Omnidirectional acceleration device Patent
 [NASA-CASE-HQN-10780] c 14 N71-30265

LIQUID FLOW

Reduced gravity liquid configuration simulator
 [NASA-CASE-XLE-02624] c 12 N69-39988
 Liquid junction and method of fabricating the same Patent Application
 [NASA-CASE-NPO-10682] c 15 N70-34699
 Valve actuator Patent
 [NASA-CASE-XHQ-01208] c 15 N70-35409
 Fluid coupling Patent
 [NASA-CASE-XLE-00397] c 15 N70-36492
 Positive displacement flowmeter Patent
 [NASA-CASE-XMF-02822] c 14 N70-41994
 Liquid flow sight assembly Patent
 [NASA-CASE-XLE-02998] c 14 N70-42074
 Ablative system
 [NASA-CASE-LEW-10359-2] c 33 N73-25952
 Zero gravity liquid transfer screen
 [NASA-CASE-KSC-10626] c 14 N73-27378
 System for measuring Reynolds in a turbulently flowing fluid --- signal processing
 [NASA-CASE-ARC-10755-2] c 34 N76-27517
 Degassifying and mixing apparatus for liquids --- potable water for spacecraft
 [NASA-CASE-MSC-18936-1] c 35 N83-29652
 Multicolor printing plate joining
 [NASA-CASE-LEW-13598-1] c 35 N84-22930

LIQUID HELIUM

Heat operated cryogenic electrical generator
 [NASA-CASE-NPO-13303-1] c 20 N75-24837
 Helium refrigerator
 [NASA-CASE-NPO-13435-1] c 31 N76-14284
 Cryostat system for temperatures on the order of 2 deg K or less
 [NASA-CASE-NPO-13459-1] c 31 N77-10229
 Multistation refrigeration system
 [NASA-CASE-NPO-13839-1] c 31 N78-25256
 Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser
 [NASA-CASE-NPO-13993-1] c 72 N79-13826

- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
Propulsion apparatus and method using boil-off gas from a cryogenic liquid --- controlling spacecraft attitude and drag
[NASA-CASE-MFS-25946-1] c 20 N84-15183
- LIQUID HYDROGEN**
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
Ten degree Kelvin hydride refrigerator
[NASA-CASE-NPO-16393-1-CU] c 31 N85-29084
- LIQUID INJECTION**
Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433
- LIQUID LASERS**
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- LIQUID LEVELS**
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
- LIQUID METALS**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027
- LIQUID NITROGEN**
Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484
- LIQUID OXYGEN**
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
- LIQUID PHASES**
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- LIQUID PROPELLANT ROCKET ENGINES**
Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
- Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
Low thrust monopropellant engine
[NASA-CASE-XMF-12194-2] c 20 N82-18314
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
- LIQUID ROCKET PROPELLANTS**
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
- LIQUID SLOSHING**
Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
- LIQUID SODIUM**
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- LIQUID SURFACES**
Liquid thickness gage
[NASA-CASE-LAR-13342-1] c 35 N85-20297
- LIQUID-GAS MIXTURES**
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- LIQUID-VAPOR INTERFACES**
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- LIQUIDS**
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
Automatic fluid dispenser
[NASA-CASE-XLA-10820-1] c 35 N78-19466
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
Liquid thickness gage
[NASA-CASE-LAR-13342-1] c 35 N85-20297
- LITHIUM**
Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N85-20535
- LITHIUM COMPOUNDS**
Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- LOAD DISTRIBUTION (FORCES)**
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
Device for use in loading tension members --- characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794
Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
- LOAD TESTING MACHINES**
Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- LOAD TESTS**
Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
- LOADING OPERATIONS**
Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- LOADS (FORCES)**
Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531

- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
- Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
- Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
- Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
- Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
- Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
- Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872
- Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
- Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300
- Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
- Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- LOCATES SYSTEM**
- Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
- Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
- LOCKING**
- Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
- Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
- Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 54 N84-11761
- Elbow and knee joint for hard space suits and the like
[NASA-CASE-ARC-11610-1] c 54 N85-20666
- Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- Variable length strut with longitudinal compliance and locking capability
[NASA-CASE-MFS-25907-1] c 37 N85-34401
- LOCKS (FASTENERS)**
- Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
- Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
- Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494
- Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- LOCOMOTION**
- Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
- Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
- Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
- LOGARITHMIC RECEIVERS**
- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- LOGARITHMS**
- Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173
- LOGIC CIRCUITS**
- A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
- Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
- Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
- Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
- Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
- AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
- Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
- Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
- Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
- Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- Logical function generator
[NASA-CASE-XLA-05099] c 09 N73-13209
- A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836
- Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 33 N84-15395
- Nanosequencer digital logic controller
[NASA-CASE-NPO-16116-1] c 60 N84-25306
- LONGERONS**
- Latching mechanism for deployable-restowable columns
[NASA-CASE-LAR-13169-1] c 37 N84-25063
- LONGITUDINAL CONTROL**
- Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
- Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
- Remote pivot decoupler pylon Wing/store suppression
[NASA-CASE-LAR-13173-1] c 05 N85-19981
- LONGITUDINAL STABILITY**
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- LOOK ANGLES (TRACKING)**
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
- LOOP ANTENNAS**
- Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
- LOOPS**
- Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
- High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300
- Means for accommodating large overstrain in lead wires --- by storing extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
- LOUVERS**
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- LOW ASPECT RATIO**
- Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
- LOW COST**
- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- LOW CURRENTS**
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- LOW DENSITY MATERIALS**
- Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436
- Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- LOW FREQUENCIES**
- Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713
- LOW GRAVITY MANUFACTURING**
- Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- LOW MOLECULAR WEIGHTS**
- Process for preparation of high-molecular-weight polyaryloxyasilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
- LOW NOISE**
- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
- LOW PASS FILTERS**
- Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- LOW PRESSURE**
- Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
- LOW SPEED**
- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674

- RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- LOW TEMPERATURE**
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- LOW TEMPERATURE ENVIRONMENTS**
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- LOW TEMPERATURE TESTS**
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- LOW THRUST**
Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- LOW VACUUM**
Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
- LOW VOLTAGE**
High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Flexible blade antenna Patent
[NASA-CASE-MS-C-12101] c 09 N71-18720
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- LOWER BODY NEGATIVE PRESSURE**
Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MS-C-20202-1] c 54 N84-16803
- LUBRICANTS**
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- LUBRICATING OILS**
Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570
- LUBRICATION**
Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383
Variable resistance constant tension and lubrication device --- using oil-saturated leather wiper
[NASA-CASE-KSC-10723-1] c 37 N75-13265
Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- LUBRICATION SYSTEMS**
Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- LUMINAIRES**
Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
Lamp modulator
[NASA-CASE-KSC-10565] c 09 N72-25250
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MS-C-18407-1] c 33 N82-24427
- LUMINANCE**
Television camera video level control system
[NASA-CASE-MS-C-18578-1] c 32 N85-21427
- LUMINOSITY**
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
- LUMINOUS INTENSITY**
Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797
- Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416
Solar cell assembly --- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571
Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315
System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229
- LUMPING**
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
- LUNAR BASES**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- LUNAR COMMUNICATION**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
- LUNAR COMPOSITION**
Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- LUNAR EXPLORATION**
Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
- LUNAR GRAVITATION**
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
- LUNAR GRAVITY SIMULATOR**
Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
- LUNAR LANDING**
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- LUNAR LOGISTICS**
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- LUNAR ROCKS**
Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034
- LUNAR SOIL**
Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MS-C-12408-1] c 46 N74-13011
- LUNAR SURFACE VEHICLES**
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- LUNGS**
Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329

M

MACH NUMBER

Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

MACHINE TOOLS

Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673

- Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
Geneva mechanism --- including star wheel and driver
[NASA-CASE-NPO-13281-1] c 37 N75-13266
Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
- MACHINERY**
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
- MACHINING**
Laser machining apparatus Patent
[NASA-CASE-HON-10541-2] c 15 N71-27135
Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
- MAGNESIUM**
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
- MAGNESIUM ALLOYS**
Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
- MAGNESIUM OXIDES**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- MAGNET COILS**
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MS-C-11277] c 09 N71-29008
- MAGNETIC AMPLIFIERS**
Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- MAGNETIC BEARINGS**
Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337
- MAGNETIC CHARGE DENSITY**
Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
- MAGNETIC CIRCUITS**
Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
- MAGNETIC COILS**
Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 15 N85-11122
- MAGNETIC CONTROL**
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
Low temperature latching solenoid
[NASA-CASE-MS-C-18106-1] c 33 N82-11357

- Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 15 N85-11122
- MAGNETIC CORES**
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
- Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
- Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
- Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
- Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
- Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
- Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
- Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
- Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
- Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928
- MAGNETIC DIPOLES**
- Balance torque meter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
- MAGNETIC DISKS**
- Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
- MAGNETIC FIELD CONFIGURATIONS**
- Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
- MAGNETIC FIELDS**
- Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
- Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
- Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
- Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
- Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
- Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
- Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
- Balance torque meter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
- Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
- Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
- Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
- Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
- Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
- Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195
- Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
- Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315
- Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
- Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
- Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
- Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 15 N85-11122
- Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- MAGNETIC FILMS**
- Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- MAGNETIC FLUX**
- Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-NXP-04183] c 09 N69-24329
- Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
- Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
- Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
- Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
- Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
- Magnetic bearing --- for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
- Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- MAGNETIC FORMING**
- Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
- MAGNETIC INDUCTION**
- Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
- Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
- Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
- Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300
- MAGNETIC LENSES**
- Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325
- MAGNETIC MATERIALS**
- Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124
- MAGNETIC MEASUREMENT**
- Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
- Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
- MAGNETIC PERMEABILITY**
- Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284
- MAGNETIC POLES**
- Magneto-hydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
- Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- MAGNETIC PUMPING**
- Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
- Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
- Magnetocaloric pump --- for cryogenic fluids
[NASA-CASE-LEW-11672-1] c 37 N74-27904
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- MAGNETIC RECORDING**
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
- Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- MAGNETIC SIGNALS**
- Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
- MAGNETIC STORAGE**
- Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
- Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
- Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
- MAGNETIC SUSPENSION**
- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
- Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372
- Stirling cycle cryogenic cooler --- magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312
- Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
- MAGNETIC SWITCHING**
- Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
- Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
- MAGNETIC TAPE TRANSPORTS**
- Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
- MAGNETIC TAPES**
- Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
- Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353

MAGNETIC TRANSDUCERS

Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397

MAGNETIZATION

Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293

MAGNETO-OPTICS

Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205

MAGNETOHYDRODYNAMIC FLOW

Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760

MAGNETOHYDRODYNAMIC GENERATORS

Magneto-hydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929

Slug flow magneto-hydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983

Two-fluid magneto-hydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803

Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562

Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573

MAGNETOMETERS

Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313

Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423

Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123

Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962

Optically pumped resonance magnetometer for determining vectoral components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428

Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135

Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325

Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213

Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390

Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114

Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056

Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397

Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444

MAGNETRONS

Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841

MAGNETS

Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772

Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067

Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017

Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284

MAGNIFICATION

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474

Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437

Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 89 N84-17084

MAGNITUDE

Balance torque meter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725

MAINTENANCE

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489

Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001

System and method for refurbishing and processing parachutes --- monoral conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073

Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839

Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330

Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520

Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

MALEATES

Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclophosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697

Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043

MALFUNCTIONS

Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807

MANDRELS

Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783

Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687

Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779

MANEUVERABILITY

Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178

MANGANESE

Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678

MANIFOLDS

Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710

Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366

Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305

MANIPULATORS

Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495

Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616

Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

Cooperative multi-axis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758

Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457

Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460

Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721

Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746

Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652

Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551

Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320

Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718

Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731

Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178

Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 54 N84-11761

Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286

MANNED ORBITAL LABORATORIES

Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776

MANNED ORBITAL RESEARCH LABORATORIES

Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373

MANNED SPACE FLIGHT

Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051

Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492

MANNED SPACECRAFT

Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938

Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986

Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009

Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664

Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881

Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933

Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085

Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750

MANOMETERS

Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820

Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394

MANUAL CONTROL

Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909

Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740

Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084

Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206

Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

MANUFACTURING

A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148

Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808

Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966

Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214

Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835

Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779

Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691

Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137

Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692

Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260

Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049

Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607

Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482

Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454

Aluminium or copper substrate panel for selective absorption of solar energy
 [NASA-CASE-MFS-23518-3] c 44 N80-16452
 Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
 [NASA-CASE-NPO-10424-1] c 27 N81-24258
 Inorganic spark chamber frame and method of making the same
 [NASA-CASE-GSC-12354-1] c 35 N82-24471
 Photoelectric detection system --- manufacturing automaton
 [NASA-CASE-MFS-23776-1] c 33 N82-28545
 Glass heating panels and method for preparing the same from architectural reflective glass
 [NASA-CASE-NPO-15753-1] c 27 N84-33589

MAPPING

Random function tracer Patent
 [NASA-CASE-XLA-01401] c 15 N71-21179
 Method and apparatus for mapping planets
 [NASA-CASE-NPO-11001] c 07 N72-21118
 Seismic vibration source
 [NASA-CASE-NPO-14112-1] c 46 N79-22679
 Method and apparatus for contour mapping using synthetic aperture radar
 [NASA-CASE-NPO-15939-1] c 43 N83-20324
 Dual aperture multispectral Schmidt objective
 [NASA-CASE-GSC-12756-1] c 74 N84-23248

MAPS

Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
 [NASA-CASE-LAR-10626-1] c 19 N74-21015
 Optical process for producing classification maps from multispectral data
 [NASA-CASE-MS-14472-1] c 43 N77-10584

MASERS

Segmented superconducting magnet for a broadband traveling wave maser Patent
 [NASA-CASE-XGS-10518] c 16 N71-28554
 Maser for frequencies in the 7-20 GHz range
 [NASA-CASE-NPO-11437] c 16 N72-28521
 Reflected-wave maser --- low noise amplifier
 [NASA-CASE-NPO-13490-1] c 36 N76-31512
 Multistation refrigeration system
 [NASA-CASE-NPO-13839-1] c 31 N78-25256
 External bulb variable volume maser
 [NASA-CASE-GSC-12334-1] c 36 N79-14362
 Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
 [NASA-CASE-NPO-14254-1] c 36 N80-18372
 Precise RF timing signal distribution to remote stations --- fiber optics
 [NASA-CASE-NPO-14749-1] c 32 N81-14186
 Resonant isolator for maser amplifier
 [NASA-CASE-NPO-15201-1] c 36 N83-35350
 Maser cavity servo-tuning system
 [NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

MASKING

Masking device Patent
 [NASA-CASE-XNP-02092] c 15 N70-42033
 High resolution developing of photosensitive resists Patent
 [NASA-CASE-XGS-04993] c 14 N71-17574
 Low defect, high purity crystalline layers grown by selective deposition
 [NASA-CASE-NPO-15813-1] c 76 N85-30922

MASS

Mass measuring system Patent
 [NASA-CASE-XMS-03371] c 05 N70-42000
 Dynamic vibration absorber Patent
 [NASA-CASE-LAR-10083-1] c 15 N71-27006
 Fluid mass sensor for a zero gravity environment
 [NASA-CASE-MS-14653-1] c 35 N77-19385

MASS BALANCE

Two-plane balance Patent
 [NASA-CASE-XAC-00073] c 14 N70-34813
 Apparatus for testing a pressure responsive instrument Patent
 [NASA-CASE-XMF-04134] c 14 N71-23755

MASS DISTRIBUTION

Propellant mass distribution metering apparatus Patent
 [NASA-CASE-NPO-10185] c 10 N71-26339

MASS FLOW

Rocket engine injector Patent
 [NASA-CASE-XLE-03157] c 28 N71-24736
 Nuclear mass flowmeter
 [NASA-CASE-MFS-20485] c 14 N72-11365
 Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
 [NASA-CASE-LAR-10578-1] c 12 N73-25262

MASS SPECTROMETERS

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
 [NASA-CASE-LAR-10180-1] c 06 N71-13461
 Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
 [NASA-CASE-XNP-01056] c 14 N71-23041
 Ion microprobe mass spectrometer for analyzing fluid materials Patent
 [NASA-CASE-ERC-10014] c 14 N71-28863
 Orifice gross leak tester Patent
 [NASA-CASE-ERC-10150] c 14 N71-28992
 Method and apparatus for determining the contents of contained gas samples
 [NASA-CASE-GSC-10903-1] c 14 N73-12444
 Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
 [NASA-CASE-XNP-04231] c 14 N73-32325
 Fast scan control for deflection type mass spectrometers
 [NASA-CASE-LAR-11428-1] c 35 N74-34857
 Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
 [NASA-CASE-NPO-13663-1] c 35 N77-14406
 Method for fabricating a mass spectrometer inlet leak
 [NASA-CASE-GSC-12077-1] c 35 N77-24455
 Dual acting slit control mechanism
 [NASA-CASE-LAR-11370-1] c 35 N80-28686
 Chopped molecular beam multiplexing system
 [NASA-CASE-LAR-13174-1] c 72 N84-25431
 Ion mass spectrometer
 [NASA-CASE-NPO-15423-1] c 35 N84-28016

MASS SPECTROSCOPY

Moving particle composition analyzer
 [NASA-CASE-GSC-11889-1] c 35 N76-16393
 Fluid sampling device
 [NASA-CASE-GSC-12143-1] c 35 N77-32456
 Particle analyzing method and apparatus
 [NASA-CASE-NPO-15292-1] c 35 N83-27184

MATERIAL ABSORPTION

Sorption vacuum trap Patent
 [NASA-CASE-XER-09519] c 14 N71-18483

MATERIALS

Low gravity exothermic heating/cooling apparatus
 [NASA-CASE-MS-25707-1] c 35 N85-29214

MATERIALS HANDLING

Fluid coupling Patent
 [NASA-CASE-XLE-00397] c 15 N70-36492
 Catalyst bed removing tool Patent
 [NASA-CASE-XFR-00811] c 15 N70-36901
 Air bearing Patent
 [NASA-CASE-XMF-01887] c 15 N71-10617
 Quick attach and release fluid coupling assembly Patent
 [NASA-CASE-XKS-01985] c 15 N71-10782
 Method and apparatus for cryogenic wire stripping Patent
 [NASA-CASE-MFS-10340] c 15 N71-17628
 Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
 [NASA-CASE-XMS-01905] c 12 N71-21089
 Method of making foamed materials in zero gravity
 [NASA-CASE-XMF-09902] c 15 N72-11387
 Mechanically extendible telescoping boom
 [NASA-CASE-NPO-11118] c 03 N72-25021
 Apparatus for recovering matter adhered to a host surface
 [NASA-CASE-NPO-11213] c 15 N73-20514
 Apparatus and method for skin packaging articles
 [NASA-CASE-MFS-20855] c 15 N73-27405
 Apparatus for inserting and removing specimens from high temperature vacuum furnaces
 [NASA-CASE-LAR-10841-1] c 31 N74-27900
 Deployable flexible tunnel
 [NASA-CASE-MFS-22636-1] c 37 N76-22540
 Liquid immersion apparatus for minute articles
 [NASA-CASE-MFS-25363-1] c 37 N82-12441
 Acoustic system for material transport
 [NASA-CASE-NPO-15453-1] c 71 N83-32515

MATERIALS RECOVERY

Automated system for identifying traces of organic chemical compounds in aqueous solutions
 [NASA-CASE-NPO-13063-1] c 25 N76-18245
 Process for the leaching of AP from propellant
 [NASA-CASE-NPO-14109-1] c 28 N80-23471
 Recovery of aluminum from composite propellants
 [NASA-CASE-NPO-14110-1] c 28 N81-15119

MATERIALS SCIENCE

Flammability test chamber Patent
 [NASA-CASE-KSC-10126] c 11 N71-24985

Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
 [NASA-CASE-NPO-11749] c 14 N73-28486

MATERIALS TESTS

Thermal shock apparatus Patent
 [NASA-CASE-XLE-02024] c 14 N71-22964
 Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
 [NASA-CASE-XMS-02930] c 11 N71-23042
 Resilience testing device Patent
 [NASA-CASE-XLA-08254] c 14 N71-26161
 Tube sealing device Patent
 [NASA-CASE-NPO-10431] c 15 N71-29132
 Burn rate testing apparatus
 [NASA-CASE-XMS-09690] c 33 N72-25913
 Multi axes vibration fixtures
 [NASA-CASE-MFS-20242] c 14 N73-19421
 Material fatigue testing system
 [NASA-CASE-MFS-20673] c 14 N73-20476

MATHEMATICAL LOGIC

Logical function generator
 [NASA-CASE-XLA-05099] c 09 N73-13209

MATRICES (CIRCUITS)

Solar cell submodule Patent
 [NASA-CASE-XNP-05821] c 03 N71-11056
 Magnetic matrix memory system Patent
 [NASA-CASE-XMF-05835] c 08 N71-12504
 Solar cell matrix Patent
 [NASA-CASE-NPO-10821] c 03 N71-19545
 Drive circuit utilizing two cores Patent
 [NASA-CASE-XNP-01318] c 10 N71-23033
 Serial digital decoder Patent
 [NASA-CASE-NPO-10150] c 08 N71-24650
 Solid state matrices
 [NASA-CASE-NPO-10591] c 03 N72-22041

MATRIX MATERIALS

Chemical approach for controlling nadimide cure temperature and rate with maleimide
 [NASA-CASE-LEW-13770-3] c 27 N85-21350
 Chemical approach for controlling nadimide cure temperature and rate with maleimide
 [NASA-CASE-LEW-13770-4] c 27 N85-21351
 Chemical approach for controlling nadimide cure temperature and rate
 [NASA-CASE-LEW-13770-6] c 25 N85-30039

MCLEOD GAGES

Automatic recording McLeod gauge Patent
 [NASA-CASE-XLE-03280] c 14 N71-23093
 Bakeable McLeod gauge
 [NASA-CASE-XGS-01293-1] c 35 N79-33450

MEASURING INSTRUMENTS

Device for determining the accuracy of the flare on a flared tube
 [NASA-CASE-XKS-03495] c 14 N69-39785
 Angular measurement system Patent
 [NASA-CASE-XMF-00447] c 14 N70-33179
 Two-plane balance Patent
 [NASA-CASE-XAC-00073] c 14 N70-34813
 Parallel motion suspension device Patent
 [NASA-CASE-XNP-01567] c 15 N70-41310
 Vibrating structure displacement measuring instrument Patent
 [NASA-CASE-XLA-03135] c 32 N71-16428
 Inspection gage for boss Patent
 [NASA-CASE-XMF-04966] c 14 N71-17658
 Vapor pressure measuring system and method Patent
 [NASA-CASE-XMS-01618] c 14 N71-20741
 Spherical tank gauge Patent
 [NASA-CASE-XMS-06236] c 14 N71-21007
 Energy absorbing device Patent
 [NASA-CASE-XMF-10040] c 15 N71-22877
 Ablation sensor Patent
 [NASA-CASE-XLA-01791] c 14 N71-22991
 Moment of inertia test fixture Patent
 [NASA-CASE-XGS-01023] c 14 N71-22992
 Electron beam instrument for measuring electric fields Patent
 [NASA-CASE-XMF-10289] c 14 N71-23699
 Floating two force component measuring device Patent
 [NASA-CASE-XAC-04885] c 14 N71-23790
 Internal flare angle gauge Patent
 [NASA-CASE-XMF-04415] c 14 N71-24693
 RC rate generator for slow speed measurement Patent
 [NASA-CASE-XMF-02966] c 10 N71-24863
 Transverse piezoresistance and pinch effect electromechanical transducers Patent
 [NASA-CASE-ERC-10088] c 26 N71-25490
 Layout tool Patent
 [NASA-CASE-FRC-10005] c 15 N71-26145
 Method and apparatus for detecting gross leaks Patent
 [NASA-CASE-ERC-10033] c 14 N71-26672

- Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
- Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
- Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
- Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
- Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476
- Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486
- RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
- Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
- Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
- Apparatus and method for processing Korotkov sounds --- for blood pressure measurement
[NASA-CASE-MSC-13999-1] c 52 N74-26626
- Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
- Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
- Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382
- Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495
- Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
- Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455
- Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031
- Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
- Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541
- Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
- Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
- Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085
- Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783
- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193
- Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 14 N84-22596
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
- Liquid thickness gage
[NASA-CASE-LAR-13342-1] c 35 N85-20297
- Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N85-21595
- Oscillating pressure device for dynamic calibration of pressure transducers
[NASA-CASE-LAR-13094-1] c 35 N85-29217
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373
- MECHANICAL DEVICES**
- Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
- Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396
- Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
- Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
- Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
- Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
- Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
- Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
- Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
- Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
- Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599
- Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
- Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
- Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
- Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
- Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
- Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
- Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
- Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
- Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
- Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
- Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
- Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
- Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
- Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
- Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
- Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
- Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
- Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
- Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560
- Self-indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N84-20860
- Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
- Connection system --- insuring against loss of a tool component without using multiple tethers
[NASA-CASE-MSC-20319-1] c 37 N85-21649
- Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149
- MECHANICAL DRIVES**
- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
- Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
- Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
- Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
- Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
- Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
- Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
- Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371

Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070
Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
Geneva mechanism --- including star wheel and driver
[NASA-CASE-NPO-13281-1] c 37 N75-13266
Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Wobble gear drive mechanism --- for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
Remotely operable penstatic pump
[NASA-CASE-MFS-28059-1] c 37 N85-29288

MECHANICAL ENGINEERING
Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475

MECHANICAL MEASUREMENT
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

MECHANICAL PROPERTIES
High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349

MECHANICS (PHYSICS)
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039

MECHANIZATION
Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493

MEDICAL ELECTRONICS

Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612

MEDICAL EQUIPMENT
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
Servo-controlled intravitral microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
Intra-cranial pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
Urne collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389

MELTING
Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
Melt-flow-toughness modified polyimide
[NASA-CASE-LAR-13135-1] c 27 N84-34616
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125

MELTING POINTS
Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
High performance mixed bismide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033

MELTS (CRYSTAL GROWTH)
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244

Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N84-16986
Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934

MEMBRANE STRUCTURES
Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Meteoroid capture cell construction
[NASA-CASE-MSC-12423-1] c 91 N76-30131
Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644

MEMBRANES
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361

MEMORY
Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032

MEMORY (COMPUTERS)
Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992

MERCURY (METAL)
Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312

- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- MERCURY CADMIUM TELLURIDES**
Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533
- MERCURY VAPOR**
Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- MERIDIONAL FLOW**
Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N84-26400
- METABOLIC WASTES**
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- METABOLISM**
Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- METAL BONDING**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648
Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
Totally confined explosive welding
[NASA-CASE-LAR-10942-2] c 37 N79-13364
Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882
Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N84-20670
Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- METAL COATINGS**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363
Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
Improved nickel base coating alloy --- oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N84-20670
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- METAL COMPOUNDS**
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
- METAL CUTTING**
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460
Vee-notching device --- with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131
Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
- METAL FATIGUE**
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- METAL FIBERS**
Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331
- METAL FILMS**
Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
Deposition of alloy films --- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- METAL FINISHING**
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225
- METAL FOILS**
Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180
Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- METAL FUELS**
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
- METAL HALIDES**
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- METAL HYDRIDES**
Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- METAL IONS**
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
- METAL JOINTS**
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- METAL MATRIX COMPOSITES**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385
Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027
- METAL OXIDE SEMICONDUCTORS**
Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527

Multilevel metallization method for fabricating a metal oxide semiconductor device
 [NASA-CASE-MFS-23541-1] c 76 N79-14906
 Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
 [NASA-CASE-GSC-12515-1] c 33 N81-26360
 Schottky barrier solar cell
 [NASA-CASE-NPO-13689-2] c 44 N81-29525
 Integrated photo-responsive metal oxide semiconductor circuit
 [NASA-CASE-GSC-12782-1] c 33 N83-13360
 GaAs Schottky barrier photo-responsive device and method of fabrication --- photovoltaic cells
 [NASA-CASE-GSC-12816-1] c 76 N83-30268
 High voltage v-groove solar cell
 [NASA-CASE-LEW-13401-2] c 44 N83-32177
 Laser activated MTOS microwave device
 [NASA-CASE-NPO-16112-1] c 36 N84-12463

METAL OXIDES

Process for producing dispersion strengthened nickel with aluminum Patent
 [NASA-CASE-XLE-06969] c 17 N71-24142
 Photoetching of metal-oxide layers
 [NASA-CASE-ERC-10108] c 06 N72-21094
 Production of metal powders
 [NASA-CASE-XLE-06461] c 17 N72-22530
 Method for obtaining oxygen from lunar or similar soil
 [NASA-CASE-MS-C-12408-1] c 46 N74-13011
 Method of forming dynamic membrane on stainless steel support
 [NASA-CASE-MS-C-18172-1] c 26 N80-19237
 Method for depositing an oxide coating
 [NASA-CASE-LEW-13131-1] c 44 N83-10494
 Method of forming oxide coatings --- for solar collector heating panels
 [NASA-CASE-LEW-13132-1] c 27 N83-29388
 Absorbable-susceptor joining of ceramic surfaces
 [NASA-CASE-NPO-15640-1] c 27 N84-22748
 Thermal barrier coating system
 [NASA-CASE-LEW-13324-2] c 24 N85-21266

METAL PARTICLES

Slug flow magnetohydrodynamic generator
 [NASA-CASE-XLE-02083] c 03 N69-39983
 Method of making a cermet Patent
 [NASA-CASE-LEW-10219-1] c 18 N71-28729
 Preparing oxidizer coated metal fuel particles
 [NASA-CASE-NPO-11975-1] c 28 N74-33209

METAL PLATES

Detector panels-micrometeoroid impact Patent
 [NASA-CASE-XLA-05906] c 31 N71-16221
 Nuclear fuel elements
 [NASA-CASE-XLE-00209] c 22 N73-32528
 Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
 [NASA-CASE-MS-C-14182-1] c 27 N76-14264
 Heat treat fixture and method of heat treating
 [NASA-CASE-LAR-11821-1] c 26 N80-28492
 Multicolor printing plate joining
 [NASA-CASE-LEW-13598-1] c 35 N84-22930

METAL POWDER

Method of producing refractory bodies having controlled porosity Patent
 [NASA-CASE-LEW-10393-1] c 17 N71-15468
 Sealing member and combination thereof and method of producing said sealing member Patent
 [NASA-CASE-XMS-01625] c 15 N71-23022
 Shock tube powder dispersing apparatus Patent
 [NASA-CASE-XLE-04946] c 17 N71-24911
 Preparation of high purity copper fluoride
 [NASA-CASE-LEW-10794-1] c 06 N72-17093
 Production of metal powders
 [NASA-CASE-XLE-06461] c 17 N72-22530
 Apparatus for producing metal powders
 [NASA-CASE-XLE-06461-2] c 17 N72-28535
 Peen plating
 [NASA-CASE-GSC-11163-1] c 15 N73-32360
 Electrodes for solid state devices
 [NASA-CASE-NPO-15161-1] c 33 N84-16456

METAL SHEETS

Light shield and infrared reflector for fatigue testing Patent
 [NASA-CASE-XLA-01782] c 14 N71-26136
 Method of making pressure tight seal for super alloy
 [NASA-CASE-LAR-10170-1] c 37 N74-11301
 Method of making an explosively welded scarf joint
 [NASA-CASE-LAR-11211-1] c 37 N75-12326
 Process for making sheets with parallel pores of uniform size
 [NASA-CASE-GSC-10984-1] c 37 N75-26371
 Apparatus for welding sheet material --- butt joints
 [NASA-CASE-XMS-01330] c 37 N75-27376
 Method of bonding plasticized elastomer to metal and articles produced thereby
 [NASA-CASE-MFS-25181-1] c 27 N82-24340
 Curved cap corrugated sheet
 [NASA-CASE-LAR-12884-1] c 18 N84-33450

METAL SHELLS

Shell tile thermal protection system
 [NASA-CASE-LAR-12862-1] c 27 N84-27886

METAL SPINNING

Spin forming tubular elbows Patent
 [NASA-CASE-XMF-01083] c 15 N71-22723

METAL SPRAYING

Method of coating a substrate with a rapidly solidified metal
 [NASA-CASE-GSC-12880-1] c 26 N84-20670

METAL STRIPS

Formed metal ribbon wrap Patent
 [NASA-CASE-XLE-00164] c 15 N70-36411
 Interconnection of solar cells Patent
 [NASA-CASE-XGS-01475] c 03 N71-11058
 Method of making tubes Patent
 [NASA-CASE-XGS-04175] c 15 N71-18579
 High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
 [NASA-CASE-ARC-10516-1] c 70 N74-21300

METAL SURFACES

Condenser - Separator
 [NASA-CASE-XLA-08645] c 15 N69-21465
 Plating nickel on aluminum castings Patent
 [NASA-CASE-XNP-04148] c 17 N71-24830
 Process for applying black coating to metals Patent
 [NASA-CASE-XLA-06199] c 15 N71-24875
 Process for reducing secondary electron emission Patent
 [NASA-CASE-XNP-09469] c 24 N71-25555
 Method of forming ceramic to metal seal Patent
 [NASA-CASE-XNP-01263-2] c 15 N71-26312
 Temperature reducing coating for metals subject to flame exposure Patent
 [NASA-CASE-XLE-00035] c 33 N71-29151
 Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
 [NASA-CASE-NPO-10617-1] c 35 N74-22095
 Surface finishing
 [NASA-CASE-MS-C-12631-3] c 27 N81-14077
 Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
 [NASA-CASE-LEW-23169-2] c 26 N81-16209
 Method of cold welding using ion beam technology
 [NASA-CASE-LEW-12982-1] c 37 N81-19455
 Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
 [NASA-CASE-LEW-13088-1] c 26 N81-25188
 Coating with overlay metallic-cermet alloy systems
 [NASA-CASE-LEW-13639-2] c 26 N84-27855
 Ion-beam nitriding of steels
 [NASA-CASE-LEW-14104-1] c 26 N85-21324

METAL VAPOR LASERS
 High power metallic halide laser --- amplifying a copper chloride laser
 [NASA-CASE-NPO-14782-1] c 36 N82-28616
 Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
 [NASA-CASE-NPO-15021-1] c 36 N83-10417

METAL VAPORS

Slug flow magnetohydrodynamic generator
 [NASA-CASE-XLE-02083] c 03 N69-39983
 Apparatus for making a metal slurry product Patent
 [NASA-CASE-XLE-00010] c 15 N70-33382
 Inert gas metallic vapor laser
 [NASA-CASE-NPO-13449-1] c 36 N75-32441
 Isotope separation using metallic vapor lasers
 [NASA-CASE-NPO-13550-1] c 36 N77-26477

METAL WORKING
 Electric arc welding Patent
 [NASA-CASE-XMF-00392] c 15 N70-34814
 Method and apparatus for precision sizing and joining of large diameter tubes Patent
 [NASA-CASE-XMF-05114] c 15 N71-17650
 Protective device for machine and metalworking tools Patent
 [NASA-CASE-XLE-01092] c 15 N71-22797
 Portable milling tool Patent
 [NASA-CASE-XMF-03511] c 15 N71-22799
 Extrusion die for refractory metals Patent
 [NASA-CASE-XLE-06773] c 15 N71-23817
 Magnetomotive metal working device Patent
 [NASA-CASE-XMF-03793] c 15 N71-24833
 Method and apparatus for precision sizing and joining of large diameter tubes Patent
 [NASA-CASE-XMF-05114-3] c 15 N71-24865
 Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
 [NASA-CASE-MFS-21485-1] c 37 N74-25968
 Apparatus for forming dished ion thruster grids
 [NASA-CASE-LEW-11694-2] c 37 N76-14461
 Holding fixture for a hot stamping press
 [NASA-CASE-GSC-12619-1] c 37 N84-12491
 Ultrasonic angle beam standard reflector
 [NASA-CASE-LAR-13153-1] c 71 N84-21274

METAL-METAL BONDING

Method of joining aluminum to stainless steel Patent
 [NASA-CASE-MFS-07369] c 15 N71-20443
 Honeycomb panel and method of making same Patent
 [NASA-CASE-XMF-01402] c 18 N71-21651
 Capillary flow weld-bonding
 [NASA-CASE-LAR-11726-1] c 37 N76-27568
 Method of cold welding using ion beam technology
 [NASA-CASE-LEW-12982-1] c 37 N81-19455
 Mechanical bonding of metal method
 [NASA-CASE-LEW-12941-1] c 26 N83-10170
 Joining lead wires to thin platinum alloy films
 [NASA-CASE-LEW-13934-1] c 35 N83-35338

METALLIC GLASSES

Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
 [NASA-CASE-HQN-10274-1] c 27 N82-29451
 High modulus invert analog glass compositions containing beryllia
 [NASA-CASE-HQN-10931-2] c 27 N82-29452

METALLIZING

Multilevel metallization method for fabricating a metal oxide semiconductor device
 [NASA-CASE-MFS-23541-1] c 76 N79-14906
 Method of coating a substrate with a rapidly solidified metal
 [NASA-CASE-GSC-12880-1] c 26 N84-20670
 Overlay metallic-cermet alloy coating systems
 [NASA-CASE-LEW-13639-1] c 26 N84-33555
 A process to produce fine line metallic collection patterns on semiconductor devices
 [NASA-CASE-NPO-16413-1] c 26 N85-21325

METALLOGRAPHY

Method for etching copper Patent
 [NASA-CASE-XGS-06306] c 17 N71-16044

METALLOSILOXANE POLYMER

Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
 [NASA-CASE-MFS-22411-1] c 37 N74-21058

METALLURGY

Induction furnace with perforated tungsten foil shielding Patent
 [NASA-CASE-XLE-04026] c 14 N71-23267
 Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
 [NASA-CASE-NPO-14474-1] c 26 N80-14229

METALS

Transpiration cooled turbine blade manufactured from wires Patent
 [NASA-CASE-XLE-00020] c 15 N70-33226
 Self-lubricating fluoride metal composite materials Patent
 [NASA-CASE-XLE-08511] c 18 N71-23710
 Convoluting device for forming convolutions and the like Patent
 [NASA-CASE-XNP-05297] c 15 N71-23811
 Forming tool for ribbon or wire
 [NASA-CASE-XLA-05966] c 15 N72-12408
 Peen plating
 [NASA-CASE-GSC-11163-1] c 15 N73-32360
 Glass-to-metal seals comprising relatively high expansion metals
 [NASA-CASE-LEW-10698-1] c 37 N74-21063
 Scanning nozzle plating system --- for etching or plating metals on substrates without masking
 [NASA-CASE-NPO-11758-1] c 31 N74-23065
 Production of pure metals
 [NASA-CASE-LEW-10906-1] c 25 N74-30502
 Thermocouple tape --- developed from thermoelectrically different metals
 [NASA-CASE-LEW-11072-2] c 35 N76-15434
 Method of forming shank-fit compression seal
 [NASA-CASE-LAR-11563-1] c 37 N77-23482
 Solar cells having integral collector grids
 [NASA-CASE-LEW-12819-1] c 44 N79-11467
 Ultrasonic angle beam standard reflector
 [NASA-CASE-LAR-13153-1] c 71 N84-21274
 Device and method for frictionally testing materials for ignitability
 [NASA-CASE-MS-C-20622-1] c 14 N84-22596
 Metal phthalocyanine polymers
 [NASA-CASE-ARC-11405-1] c 27 N84-27884
 Insulation bonding test system
 [NASA-CASE-MFS-25862-1] c 27 N85-20126

METASTABLE STATE
 Stabilization of He(2a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser
 [NASA-CASE-NPO-13993-1] c 72 N79-13826
 Modulated voltage metastable ionization detector
 [NASA-CASE-ARC-11503-1] c 35 N85-34374

METEORITE COLLISIONS
 Pressurized panel
 [NASA-CASE-XLA-08916-2] c 14 N73-28487

- Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell [NASA-CASE-NPO-12127-1] c 91 N74-13130
- METEORITES**
Method of making pressurized panel Patent [NASA-CASE-XLA-08916] c 15 N71-29018
- METEORITIC DAMAGE**
Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent [NASA-CASE-XLE-01246] c 14 N71-10797
- METEOROID HAZARDS**
Meteoroid impact position locator aid for manned space station [NASA-CASE-LAR-10629-1] c 35 N75-33367
- METEOROID PROTECTION**
Aerodynamic protection for space flight vehicles Patent [NASA-CASE-XNP-02507] c 31 N71-17679
- METEOROIDS**
Apparatus for photographing meteors [NASA-CASE-LAR-10226-1] c 14 N73-19419
Meteoroid capture cell construction [NASA-CASE-MS-C-12423-1] c 91 N76-30131
- METEOROLOGICAL BALLOONS**
Meteorological balloon Patent [NASA-CASE-XMF-04163] c 02 N71-23007
- METHANE**
Gas lubricant compositions Patent [NASA-CASE-XLE-00353] c 18 N70-39897
Toughening reinforced epoxy composites with brominated polymeric additives [NASA-CASE-ARC-11427-1] c 24 N83-25791
Amine terminated bispartimides, process for preparation thereof, and polymers thereof [NASA-CASE-ARC-11421-1] c 27 N84-16340
Portable remote laser sensor for methane leak detection [NASA-CASE-NPO-15790-1] c 36 N85-21631
- METHYL ALCOHOLS**
Combustion engine system [NASA-CASE-NPO-14565-2] c 25 N83-19826
Supercritical multicomponent solvent coal extraction [NASA-CASE-NPO-15767-1] c 23 N84-16255
- METHYL COMPOUNDS**
Process for producing tris (n-methylamino) methylsilane [NASA-CASE-MFS-25721-1] c 25 N85-21280
- METHYLENE**
Carboranylmethylene-substituted phosphazenes and polymers thereof [NASA-CASE-ARC-11370-1] c 27 N84-22750
- MICHELSON INTERFEROMETERS**
Interferometer direction sensor Patent [NASA-CASE-NPO-10320] c 14 N71-17655
Interferometer servo system Patent [NASA-CASE-NPO-10300] c 14 N71-17662
Multispectral imaging system [NASA-CASE-MS-C-12404-1] c 23 N73-13661
Interferometer mirror tilt correcting system [NASA-CASE-NPO-13687-1] c 35 N78-18391
- MICROANALYSIS**
Plural output optometric sample cell and analysis system [NASA-CASE-NPO-10233-1] c 74 N78-33913
- MICROBALANCES**
Null-type vacuum microbalance Patent [NASA-CASE-XAC-00472] c 15 N70-40180
Microbalance --- for measuring particle mass [NASA-CASE-MS-C-11242] c 35 N78-17358
- MICROBALLONS**
Method of forming frozen spheres in a force-free drop tower [NASA-CASE-NPO-14845-1] c 27 N82-28442
- MICROBIOLOGY**
Variable angle tube holder [NASA-CASE-LAR-10507-1] c 11 N72-25284
Apparatus for microbiological sampling --- including automatic swabbing [NASA-CASE-LAR-11069-1] c 35 N75-12272
Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor [NASA-CASE-LAR-11074-1] c 51 N75-13502
Automatic microbial transfer device [NASA-CASE-LAR-11354-1] c 35 N75-27330
Application of luciferase assay for ATP to antimicrobial drug susceptibility [NASA-CASE-GSC-12039-1] c 51 N77-22794
Electrochemical detection device --- for use in microbiology [NASA-CASE-LAR-11922-1] c 25 N79-24073
Indirect microbial detection [NASA-CASE-LAR-12520-1] c 51 N81-28698
Flow through bacteria detection system [NASA-CASE-LAR-12871-1] c 35 N85-29218
- MICROCHANNELS**
Low intensity X-ray and gamma-ray spectrometer [NASA-CASE-GSC-12587-1] c 35 N82-32659
- MICROCRACKS**
System for detecting substructure microfractures and method therefore [NASA-CASE-NPO-14192-1] c 39 N80-10507
Laser surface fusion of plasma sprayed ceramic turbine seals [NASA-CASE-LEW-13269-1] c 18 N83-20996
- MICROELECTRONICS**
Apparatus and method for separating a semiconductor wafer Patent [NASA-CASE-ERC-10138] c 26 N71-14354
Vibrophonocardiograph Patent [NASA-CASE-XFR-07172] c 05 N71-27234
Microelectronic module package Patent [NASA-CASE-XMS-02182] c 10 N71-28783
Method of coating through-holes Patent [NASA-CASE-XMF-05999] c 15 N71-29032
Microcircuit negative cutter [NASA-CASE-XLA-09843] c 15 N72-27485
Screened circuit capacitors [NASA-CASE-LAR-10294-1] c 26 N72-28762
Active tuned circuit [NASA-CASE-GSC-11340-1] c 10 N72-33230
Automatic visual inspection system for microelectronics [NASA-CASE-NPO-13282] c 38 N78-17396
Method and apparatus for fabricating improved solar cell modules [NASA-CASE-NPO-14416-1] c 44 N81-14389
Method of making a high voltage V-groove solar cell [NASA-CASE-LEW-13401-1] c 44 N82-29709
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber [NASA-CASE-MFS-15670-1] c 33 N82-33634
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber [NASA-CASE-MFS-256704-1] c 33 N84-22884
Method for ultrasonic bonding to soft microelectronic substrates [NASA-CASE-NPO-16087-1] c 33 N85-29151
- MICROFIBERS**
Small conductive particle sensor --- microfiber size determination [NASA-CASE-LAR-12552-1] c 35 N82-11431
- MICROFILMS**
Apparatus for inspecting microfilm Patent [NASA-CASE-MFS-20240] c 14 N71-26788
- MICROHARDNESS**
Ion-beam nitriding of steels [NASA-CASE-LEW-14104-1] c 26 N85-21324
- MICROINSTRUMENTATION**
Apparatus for handling micron size range particulate material [NASA-CASE-NPO-10151] c 37 N78-17386
- MICROMETEORITES**
Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell [NASA-CASE-NPO-12127-1] c 91 N74-13130
Micrometeoroid velocity and trajectory analyzer [NASA-CASE-GSC-11892-1] c 35 N76-15433
- MICROMETEOROIDS**
Micrometeoroid velocity measuring device Patent [NASA-CASE-XLA-00495] c 14 N70-41332
Force transducer Patent [NASA-CASE-XAC-01101] c 14 N70-41957
Pressurized cell micrometeoroid detector Patent [NASA-CASE-XLA-00936] c 14 N71-14996
Detector panels-micrometeoroid impact Patent [NASA-CASE-XLA-05906] c 31 N71-16221
Rotary bead dropper and selector for testing micrometeorite detectors Patent [NASA-CASE-XGS-03304] c 09 N71-22988
Micrometeoroid penetration measuring device Patent [NASA-CASE-XLA-00941] c 14 N71-23240
Fabric for micrometeoroid protection garment Patent [NASA-CASE-MS-C-12109] c 18 N71-26285
Micrometeoroid analyzer [NASA-CASE-ARC-10443-1] c 14 N73-20477
Meteoroid detector [NASA-CASE-LAR-10483-1] c 14 N73-32327
Deployable pressurized cell structure for a micrometeoroid detector [NASA-CASE-LAR-10295-1] c 35 N74-21062
Semiconductor projectile impact detector [NASA-CASE-MFS-23008-1] c 35 N78-18390
- MICROMETERS**
Apparatus for handling micron size range particulate material [NASA-CASE-NPO-10151] c 37 N78-17386
- MICROMINIATURIZATION**
Compensating radiometer [NASA-CASE-XLA-04556] c 14 N69-27484
- MICROORGANISMS**
Bacteriostatic conformal coating and methods of application Patent [NASA-CASE-GSC-10007] c 18 N71-16046
Vacuum probe surface sampler [NASA-CASE-LAR-10623-1] c 14 N73-30395
Measurement of gas production of microorganisms --- using pressure sensors [NASA-CASE-LAR-11326-1] c 35 N75-33368
Biocontamination and particulate detection system [NASA-CASE-NPO-13953-1] c 35 N79-28527
Indirect microbial detection [NASA-CASE-LAR-12520-1] c 51 N81-28698
Apparatus and process for microbial detection and enumeration [NASA-CASE-LAR-12709-1] c 35 N82-28604
Flow through bacteria detection system [NASA-CASE-LAR-12871-1] c 35 N85-29218
Production of butanol by fermentation in the presence of cocultures of clostridium [NASA-CASE-NPO-16203-1] c 23 N85-35227
- MICROPARTICLES**
Micropacked column for a chromatographic system [NASA-CASE-XNP-04816] c 06 N69-39936
Powder fed sheared dispersal particle generator [NASA-CASE-LAR-12785-1] c 37 N84-16561
- MICROPHONES**
Audio signal processor Patent [NASA-CASE-MS-C-12223-1] c 07 N71-26181
Vibrophonocardiograph Patent [NASA-CASE-XFR-07172] c 05 N71-27234
Wind tunnel microphone structure Patent [NASA-CASE-XNP-00250] c 11 N71-28779
High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature [NASA-CASE-LAR-12375-1] c 32 N79-24203
Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft [NASA-CASE-FRC-11072-1] c 05 N83-27975
Carbon granule probe microphone for leak detection --- recovery boilers [NASA-CASE-NPO-16027-1] c 35 N85-21597
- MICROPROCESSORS**
Microcomputerized electric field meter diagnostic and calibration system [NASA-CASE-KSC-11035-1] c 35 N78-28411
Automatic multi-banking of memory for microprocessors [NASA-CASE-NPO-15295-1] c 60 N85-21992
- MICROSCOPES**
Absolute focus lock for microscopes [NASA-CASE-LAR-10184] c 14 N72-22445
Hand-held photomicroscope [NASA-CASE-ARC-10468-1] c 14 N73-33361
Method of examining microcircuit patterns [NASA-CASE-NPO-16299-1] c 33 N85-20250
- MICROSTRIP TRANSMISSION LINES**
Thin conformal antenna array for microwave power conversions [NASA-CASE-NPO-13886-1] c 32 N78-24391
Multiple band circularly polarized microstrip antenna [NASA-CASE-MS-C-18334-1] c 32 N80-32604
Cavity-backed, micro-strip dipole antenna array [NASA-CASE-MS-C-18606-1] c 32 N82-11336
- MICROSTRUCTURE**
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent [NASA-CASE-XLE-03940] c 18 N71-26153
Refractory metal base alloy composites [NASA-CASE-XLE-03940-2] c 17 N72-28536
Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process [NASA-CASE-LEW-11388-2] c 37 N74-21055
Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure [NASA-CASE-MFS-21931-1] c 37 N75-26372
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown [NASA-CASE-MFS-23816-1] c 26 N80-23419
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt [NASA-CASE-LEW-13107-2] c 52 N84-23095
- MICROTHRUST**
Annular slit colloid thruster Patent [NASA-CASE-GSC-10709-1] c 28 N71-25213
Heated porous plug microthruster [NASA-CASE-GSC-10640-1] c 28 N72-18766
- MICROWAVE AMPLIFIERS**
Temperature-compensating means for cavity resonator of amplifier Patent [NASA-CASE-XNP-00449] c 14 N70-35220
Resonant isolator for maser amplifier [NASA-CASE-NPO-15201-1] c 36 N83-35350

MICROWAVE ANTENNAS

- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
- MICROWAVE CIRCUITS**
- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- MICROWAVE COUPLING**
- Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- MICROWAVE EQUIPMENT**
- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373
- MICROWAVE FILTERS**
- High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
- High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
- MICROWAVE FREQUENCIES**
- Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
- Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
- MICROWAVE OSCILLATORS**
- Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195
- MICROWAVE RADIOMETERS**
- Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
- Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
- MICROWAVE REFLECTOMETERS**
- Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
- Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822

MICROWAVE RESONANCE

- Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
- MICROWAVE SWITCHING**
- Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
- Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- MICROWAVE TRANSMISSION**
- Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- MICROWAVE TUBES**
- Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
- MICROWAVES**
- Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
- Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820
- Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N85-20248
- Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- MIDAIR COLLISIONS**
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
- MILLIMETER WAVES**
- Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
- MILLING (MACHINING)**
- Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
- Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- MILLING MACHINES**
- Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
- Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
- Gnnding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- MINERAL DEPOSITS**
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- MINERAL METABOLISM**
- Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- MINIATURE ELECTRONIC EQUIPMENT**
- Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
- Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- MINIATURIZATION**
- Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
- Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408

- Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- MINING**
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- MINORITY CARRIERS**
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- MIRRORS**
- Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
- Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
- Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
- Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
- Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
- Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
- Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
- Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 89 N84-17084
- Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
- Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N85-20868
- MIS (SEMICONDUCTORS)**
- Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- MISSILE CONTROL**
- Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- MISSILE LAUNCHERS**
- Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
- MISSILE STRUCTURES**
- Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231
- MISSILES**
- Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- MITOSIS**
- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- MIXERS**
- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

MIXING CIRCUITS

- Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
- Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141

MIXTURES

- Low gravity phase separator
[NASA-CASE-MS-C-14773-1] c 35 N78-12390
- Process for producing tns
(n-methylamino)
methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033

MOBILITY

- Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217

MODE TRANSFORMERS

- Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
- Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676
- Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133

MODEMS

- Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314

MODES (STANDING WAVES)

- Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086

MODULATION

- Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374

MODULATORS

- Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
- Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
- Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203

MODULES

- Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
- Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

MODULUS OF ELASTICITY

- Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436

MOISTURE

- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212

MOISTURE CONTENT

- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Moisture content and gas sampling device
[NASA-CASE-MS-C-18866-1] c 35 N85-29213

- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373

MOISTURE METERS

- Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373

MOISTURE RESISTANCE

- Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282

MOLDING MATERIALS

- Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
- Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123

MOLDS

- Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920
- Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570

MOLECULAR BEAMS

- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269

MOLECULAR CHAINS

- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

MOLECULAR GASES

- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127

MOLECULAR PUMPS

- Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

MOLECULAR RELAXATION

- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

MOLECULAR ROTATION

- Diatomic infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426

MOLECULAR SPECTRA

- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705

MOLECULAR SPECTROSCOPY

- Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137

MOLECULAR WEIGHT

- Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- Melt-flow-toughness modified polyimide
[NASA-CASE-LAR-13135-1] c 27 N84-34616

MOLECULES

- Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826

MOLTEN SALT ELECTROLYTES

- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643

MOLTEN SALTS

- Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261

MOLYBDENUM

- Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346

MOLYBDENUM CARBIDES

- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

MOLYBDENUM DISULFIDES

- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

MOMENTS OF INERTIA

- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992

MOMENTUM

- Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

MONATOMIC GASES

- Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402

MONITORS

- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932

MONOCHROMATIC RADIATION

Continuous plasma light source

[NASA-CASE-XNP-04167-2] c 25 N72-24753

Laser extensometer

[NASA-CASE-MFS-19259-1] c 36 N78-14380

Multiprism collimator

[NASA-CASE-GSC-12608-1] c 74 N83-10900

MONOCHROMATORS

- Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109

MONOMERS

- Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
- Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256

Cross-linked polyvinyl alcohol and method of making same
 [NASA-CASE-LEW-13101-2] c 23 N81-29160
 Preparation of crosslinked 1,2,4-oxadiazole polymer
 [NASA-CASE-ARC-11253-2] c 27 N82-24338
 Improved high temperature resistant polyimides
 [NASA-CASE-LEW-13864-1] c 27 N83-17715
 Phosphorus-containing imide resins
 [NASA-CASE-ARC-11368-1] c 27 N83-31854
 Chemical approach for controlling nadimide cure temperature and rate
 [NASA-CASE-LEW-13770-1] c 27 N84-27885
 Process for preparing highly optically transparent-colorless aromatic polyimide film
 [NASA-CASE-LAR-13351-1] c 27 N85-21360

MONOPOLE ANTENNAS

Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase
 Patent
 [NASA-CASE-XLA-00414] c 07 N70-38200
 Flexible blade antenna Patent
 [NASA-CASE-MS-C-12101] c 09 N71-18720

MONOPROPELLANTS

Ignition system for monopropellant combustion devices
 Patent
 [NASA-CASE-XNP-00249] c 28 N70-38249
 Ignition means for monopropellant Patent
 [NASA-CASE-XNP-00876] c 28 N70-41311
 Low thrust monopropellant engine
 [NASA-CASE-GSC-12194-2] c 20 N82-18314

MONOPULSE ANTENNAS

Monopulse system with an electronic scanner
 [NASA-CASE-XGS-05582] c 07 N69-27460
 Low noise single aperture multimode monopulse antenna feed system Patent
 [NASA-CASE-XNP-01735] c 07 N71-22750
 Electronic scanning of 2-channel monopulse patterns
 Patent
 [NASA-CASE-GSC-10299-1] c 09 N71-24804
 Switchable beamwidth monopulse method and system
 [NASA-CASE-GSC-11924-1] c 33 N76-27472

MONOPULSE RADAR

Polarization diversity monopulse tracking receiver
 Patent
 [NASA-CASE-XGS-03501] c 09 N71-20864
 Monopulse tracking system Patent
 [NASA-CASE-XGS-01155] c 10 N71-21483

MONOSTABLE MULTIVIBRATORS

Resettable monostable pulse generator Patent
 [NASA-CASE-GSC-11139] c 09 N71-27016
 Monostable multivibrator with complementary NOR gates Patent
 [NASA-CASE-MS-C-13492-1] c 10 N71-28860

MORPHOLOGY

Method for growth of crystals by pressure reduction of supercritical or subcritical solution
 [NASA-CASE-NPO-15772-1] c 76 N85-29800

MOSSBAUER EFFECT

Mossbauer spectrometer radiation detector
 [NASA-CASE-LAR-11155-1] c 35 N74-15091
 Method and apparatus for vibration analysis utilizing the Mossbauer effect
 [NASA-CASE-XMF-05882] c 35 N75-27329

MOTION

Quick attach mechanism Patent
 [NASA-CASE-XFR-05421] c 15 N71-22994

MOTION PICTURES

Real time moving scene holographic camera system
 [NASA-CASE-MFS-21087-1] c 35 N74-17153
 Real time, large volume, moving scene holographic camera system
 [NASA-CASE-MFS-22537-1] c 35 N75-27328

MOTION SIMULATORS

Kinesthetic control simulator --- for pilot training
 [NASA-CASE-LAR-10276-1] c 09 N75-15662
 Helmet weight simulator
 [NASA-CASE-LAR-12320-1] c 54 N81-27806

MOTION STABILITY

Hydraulic drive mechanism Patent
 [NASA-CASE-XMS-03252] c 15 N71-10658

MOTORS

Nonmagnetic thermal motor for a magnetometer
 [NASA-CASE-XAR-03786] c 09 N69-21313
 System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
 [NASA-CASE-XMF-06892] c 09 N71-24805
 Mechanical thermal motor
 [NASA-CASE-MFS-23062-1] c 37 N77-12402
 Redundant motor drive system
 [NASA-CASE-MFS-23777-1] c 37 N80-32716
 Reciprocating linear motor
 [NASA-CASE-GSC-12773-1] c 33 N83-12332

MOUNTING

Thermobulb mount Patent
 [NASA-CASE-NPO-10158] c 33 N71-16356

Mount for thermal control system Patent
 [NASA-CASE-NPO-10138] c 33 N71-16357
 Clamping assembly for inertial components Patent
 [NASA-CASE-XMS-02184] c 15 N71-20813
 Circuit board package with wedge shaped covers
 [NASA-CASE-MFS-21919-1] c 10 N73-25243
 Lubricated journal bearing
 [NASA-CASE-LEW-11076-3] c 37 N75-30562
 Translatory shock absorber for attitude sensors
 [NASA-CASE-MFS-22905-1] c 19 N76-22284
 Deformable bearing seat
 [NASA-CASE-LEW-12527-1] c 37 N77-32500
 Impact absorbing blade mounts for variable pitch blades
 [NASA-CASE-LEW-12313-1] c 37 N78-10468
 Attaching of strain gages to substrates
 [NASA-CASE-FRC-10093-1] c 35 N80-20560
 Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
 [NASA-CASE-FRC-11072-1] c 05 N83-27975
 Inflatable device for installing strain gage bridges
 [NASA-CASE-FRC-11068-1] c 35 N84-12443
 Clamp-mount device
 [NASA-CASE-MFS-25510-1] c 37 N84-16560
 Model mount system for testing flutter
 [NASA-CASE-LAR-12950-1] c 09 N84-34448

MOVING TARGET INDICATORS

Automatic vehicle location system
 [NASA-CASE-NPO-11850-1] c 32 N74-12912
 Interferometric locating system
 [NASA-CASE-NPO-14173-1] c 04 N80-32359

MULTIBEAM ANTENNAS

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
 [NASA-CASE-NPO-14525-2] c 32 N83-31918

MULTICHANNEL COMMUNICATION

Tape guidance system and apparatus for the provision thereof Patent
 [NASA-CASE-XNP-09453] c 08 N71-19420
 Phase quadrature-plural channel data transmission system Patent
 [NASA-CASE-XAC-06302] c 08 N71-19763

Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
 [NASA-CASE-NPO-11593-1] c 07 N73-28012
 Miniature multichannel biotelemetry system
 [NASA-CASE-NPO-13065-1] c 52 N74-26625
 Medical subject monitoring systems --- multichannel monitoring systems
 [NASA-CASE-MS-C-14180-1] c 52 N76-14757

Multi-channel rotating optical interface for data transmission
 [NASA-CASE-NPO-14066-1] c 74 N79-34011

MULTILAYER INSULATION

Sealing member and combination thereof and method of producing said sealing member Patent
 [NASA-CASE-XMS-01625] c 15 N71-23022
 Panelized high performance multilayer insulation Patent
 [NASA-CASE-MFS-14023] c 33 N71-25351

Electrical apparatus for detection of thermal decomposition of insulation Patent
 [NASA-CASE-XMF-03968] c 14 N71-27186
 Method of making an insulation foil
 [NASA-CASE-LEW-11484-1] c 24 N75-33181

Multwall thermal protection system
 [NASA-CASE-LAR-12620-1] c 24 N82-32417

MULTIPACTOR DISCHARGES

High power RF coaxial switch
 [NASA-CASE-NPO-14229-1] c 33 N80-18285

MULTIPATH TRANSMISSION

Anti-multipath digital signal detector
 [NASA-CASE-LAR-11827-1] c 32 N77-10392
 Large volume multiple-path nuclear pumped laser
 [NASA-CASE-LAR-12592-1] c 36 N82-13415

MULTIPLE BEAM INTERVAL SCANNERS

Tracking antenna system Patent
 [NASA-CASE-GSC-10553-1] c 07 N71-19854
 Variable beamwidth antenna --- with multiple beam, vanable feed system
 [NASA-CASE-GSC-11862-1] c 32 N76-18295

MULTIPLE DOCKING ADAPTERS

Expanding center probe and drogue Patent
 [NASA-CASE-XMS-03613] c 31 N71-16346

MULTIPLE OUTPUT PROGRAMS

Multi-computer multiple data path hardware exchange system
 [NASA-CASE-NPO-13422-1] c 60 N76-14818

MULTIPLYING

Doppler frequency spread correction device for multiplex transmissions
 [NASA-CASE-XGS-02749] c 07 N69-39978
 Elimination of frequency shift in a multiplex communication system Patent
 [NASA-CASE-XNP-01306] c 07 N71-20814

Satellite interlace synchronization system
 [NASA-CASE-GSC-10390-1] c 07 N72-11149
 Method and apparatus for data compression by a decreasing slope threshold test
 [NASA-CASE-NPO-10769] c 08 N72-11171
 Data multiplexer using tree switching configuration
 [NASA-CASE-NPO-11333] c 08 N72-22162

Television multiplexing system
 [NASA-CASE-KSC-10654-1] c 07 N73-30115
 Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
 [NASA-CASE-NPO-13321-1] c 32 N75-26195

Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
 [NASA-CASE-GSC-11744-1] c 33 N75-26243
 System for producing chroma signals
 [NASA-CASE-MS-C-14683-1] c 74 N77-18893

Fiber optic multiplex optical transmission system
 [NASA-CASE-KSC-11047-1] c 74 N78-14889
 System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
 [NASA-CASE-GSC-12411-1] c 33 N81-14221

Multifrequency broadband polarized horn antenna
 [NASA-CASE-NPO-14588-1] c 32 N81-25278
 High-speed multiplexing of keyboard data inputs
 [NASA-CASE-NPO-14554-1] c 60 N81-27814
 Multi-channel temperature measurement amplification system --- solar heating systems
 [NASA-CASE-MFS-23775-1] c 44 N82-16474

Apparatus and method for tracking the fundamental frequency of an analog input signal
 [NASA-CASE-ARC-11367-1] c 33 N83-21238
 Integrating IR detector imaging systems
 [NASA-CASE-NPO-15805-1] c 74 N84-28590

Correlation spectrometer having high resolution and multiplexing capability
 [NASA-CASE-NPO-15558-1] c 35 N84-34705
 LDV multiplexer interface
 [NASA-CASE-ARC-11536-1] c 33 N85-30202

MULTIPLIERS

Pulse-width modulation multiplier Patent
 [NASA-CASE-XER-09213] c 07 N71-12390
 Variable pulse width multiplier Patent
 [NASA-CASE-XLA-02850] c 09 N71-20447

Capacitance multiplier and filter synthesizing network
 [NASA-CASE-NPO-11948-1] c 33 N74-32712
 Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
 [NASA-CASE-LEW-12791-1] c 33 N78-32341

MULTISPECTRAL BAND SCANNERS

Optical process for producing classification maps from multispectral data
 [NASA-CASE-MS-C-14472-1] c 43 N77-10584
 Interactive color display for multispectral imagery using correlation clustering
 [NASA-CASE-MS-C-16253-1] c 32 N79-20297

Multispectral scanner optical system
 [NASA-CASE-MS-C-18255-1] c 74 N80-33210
 Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
 [NASA-CASE-NPO-14402-1] c 52 N81-27783

Dual aperture multispectral Schmidt objective
 [NASA-CASE-GSC-12756-1] c 74 N84-23248

MULTISPECTRAL LINEAR ARRAYS

Time delay and integration detectors using charge transfer devices
 [NASA-CASE-GSC-12324-1] c 33 N81-33403
 Multispectral linear array multiband selection device
 [NASA-CASE-GSC-12911-1] c 35 N84-25016

MULTISPECTRAL PHOTOGRAPHY

Multispectral imaging system
 [NASA-CASE-MS-C-12404-1] c 23 N73-13661
 Optical process for producing classification maps from multispectral data
 [NASA-CASE-MS-C-14472-1] c 43 N77-10584

Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
 [NASA-CASE-NPO-13691-1] c 43 N79-17288
 Interactive color display for multispectral imagery using correlation clustering
 [NASA-CASE-MS-C-16253-1] c 32 N79-20297

MULTISTAGE ROCKET VEHICLES

Recoverable rocket vehicle Patent
 [NASA-CASE-XMF-00389] c 31 N70-34176
 Steerable solid propellant rocket motor Patent
 [NASA-CASE-XNP-00234] c 28 N70-38645

Multi-mission module Patent
 [NASA-CASE-XMF-01543] c 31 N71-17730
 Single action separation mechanism Patent
 [NASA-CASE-XLA-00188] c 15 N71-22874

Lateral displacement system for separated rocket stages
 Patent
 [NASA-CASE-XLA-04804] c 31 N71-23008
 Frangible link
 [NASA-CASE-MS-C-11849-1] c 15 N72-22488

Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787

MULTIVIBRATORS
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042
A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

MUSCLES
Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703

MUSCULAR FUNCTION
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072

MUSCULOSKELETAL SYSTEM
Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738

MYOCARDIUM
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072

MYOPIA
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193

N

N-TYPE SEMICONDUCTORS
Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321

NACELLES
Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
Over the wing propeller
[NASA-CASE-LAR-13134-1] c 05 N85-19980

NASA PROGRAMS
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474

NAVIGATION
Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

NAVIGATION AIDS
Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713

NAVIGATION INSTRUMENTS
Sun angle calculator
[NASA-CASE-MS-12617-1] c 35 N76-29552

NAVIGATION SATELLITES
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948

NEAR INFRARED RADIATION
Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389

NEGATIVE FEEDBACK
Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015

Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335

NEGATIVE IONS
Generation of intense negative ion beams
[NASA-CASE-NPO-16061-1-CU] c 72 N85-29701

NEODYMIUM LASERS
Length controlled stabilized mode-lock ND YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499

NERVES
Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863

NETWORK SYNTHESIS
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421

NEUROGLIA
Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

NEUROLOGY
Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863

NEUTRALIZERS
Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039

NEUTRON EMISSION
Deuterium pass through target --- neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860

NICKEL
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
Metal (2) 4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267

NICKEL ALLOYS
High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Improved nickel base coating alloy --- oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639

NICKEL CADMIUM BATTERIES
Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531

NICKEL COATINGS
Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414

Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599

NICKEL COMPOUNDS
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

NICKEL HYDROGEN BATTERIES
Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 33 N84-29084

NICKEL PLATE
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830

NICKEL ZINC BATTERIES
Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422

NIObIUM
Tnalkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

NITRAMINE PROPELLANTS
Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

NITRATES
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MS-18172-1] c 26 N80-19237

NITRIC OXIDE
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

NITRIDES
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415

NITRIDING
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-1] c 26 N85-21324

NITRILES
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259

NITRO COMPOUNDS
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
The 1 - (dialkoxylphosphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

NITROAMINES
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Polymeric vehicles as carriers for sulfonic acid salt of nitrosobstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

NITROGEN
III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

NITROGEN COMPOUNDS
Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078

NITROGEN OXIDES
Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Combustor --- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151

NITROGEN TETROXIDE
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094

NITROGUANIDINE
Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

NOBLE METALS
GaAs Schottky barrier photo-responsive device and method of fabrication --- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268

NODES (STANDING WAVES)
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516

NOISE GENERATORS
Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

NOISE METERS
Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

- Differential sound level meter*
[NASA-CASE-LAR-12106-1] c 71 N78-14867
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- NOISE REDUCTION**
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
Gas turbine exhaust nozzle --- for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490
Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
Television noise reduction device
[NASA-CASE-MSC-12807-1] c 32 N75-21485
Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
Comparator with noise suppression
[NASA-CASE-LAR-13151-1] c 33 N85-20247
- NOISE TEMPERATURE**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- NOISE THRESHOLD**
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- NONADIABATIC CONDITIONS**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- NONDESTRUCTIVE TESTS**
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
- NONEQUILIBRIUM CONDITIONS**
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
- NONEQUILIBRIUM PLASMAS**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- NONEQUILIBRIUM RADIATION**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HCN-10841-1] c 73 N78-19920
- NONFLAMMABLE MATERIALS**
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclophosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697
High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- NONLINEAR FEEDBACK**
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373
- NONLINEAR FILTERS**
Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- NONLINEAR SYSTEMS**
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- NORMAL DENSITY FUNCTIONS**
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
- NOSE CONES**
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- NOSE WHEELS**
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- NOTCH STRENGTH**
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
- NOTCH TESTS**
Vee-notching device --- with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
- NOTCHES**
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
- NOZZLE DESIGN**
Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Aircraft engine nozzle
[NASA-CASE-XFC-10977-1] c 07 N80-32392
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376
- NOZZLE FLOW**
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
- NOZZLE GEOMETRY**
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- NOZZLE INSERTS**
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
- NUCLEAR EXPLOSION EFFECT**
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- NUCLEAR FUEL ELEMENTS**
Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528
- NUCLEAR MAGNETIC RESONANCE**
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- NUCLEAR POWER PLANTS**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHO-03673] c 33 N71-29046
- NUCLEAR PUMPED LASERS**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- NUCLEAR PUMPING**
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- NUCLEAR REACTOR CONTROL**
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

- Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- NUCLEAR REACTORS**
- Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- NUCLEATE BOILING**
- Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277
- NULL ZONES**
- Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
- NUMBER THEORY**
- Binary concatenated coding system
[NASA-CASE-MS-14082-1] c 60 N76-23850
- NUMERICAL ANALYSIS**
- Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701
- NUMERICAL CONTROL**
- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- Digital numerically controlled oscillator
[NASA-CASE-MS-16747-1] c 33 N81-17349
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Reconfiguring redundancy management
[NASA-CASE-MS-18498-1] c 60 N82-29013
- NUMERICAL INTEGRATION**
- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- NUTATION**
- Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
- NUTATION DAMPERS**
- Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
- Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064
- NUTS (FASTENERS)**
- Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
- Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
- Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
- High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- Floating nut retention system
[NASA-CASE-MS-16938-1] c 37 N80-23653
- Tube coupling device
[NASA-CASE-MFS-25964-1] c 37 N85-20378
- O**
- O RING SEALS**
- High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
- Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- OBLIQUE WINGS**
- Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
- OCCLUSION**
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- OCEAN CURRENTS**
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- OCEAN DATA ACQUISITIONS SYSTEMS**
- Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- OCEAN SURFACE**
- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- OCEAN THERMAL ENERGY CONVERSION**
- Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542
- OFFSHORE PLATFORMS**
- Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542
- OHMMETERS**
- Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
- OIL EXPLORATION**
- Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
- Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- OIL RECOVERY**
- Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308
- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912
- OILS**
- Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308
- OMNIDIRECTIONAL ANTENNAS**
- Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- ONBOARD EQUIPMENT**
- Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
- Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
- Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
- Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
- Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
- A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- Collapsible Apollo couch
[NASA-CASE-MS-13140] c 05 N72-11085
- Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
- Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
- OPEN CHANNEL FLOW**
- Monogroove heat pipe design Insulated liquid channel with bridging wick
[NASA-CASE-MS-20497-1] c 34 N85-29180
- OPERATING TEMPERATURE**
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- OPERATIONAL AMPLIFIERS**
- Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
- Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- OPHTHALMOLOGY**
- Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
- Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
- OPTICAL COMMUNICATION**
- Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
- Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
- Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Gregonan all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
- Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
- Synchronization tracking in pulse position modulation receiver
[NASA-CASE-NPO-16256-1] c 32 N84-32620
- OPTICAL COUPLING**
- Automatic quadrature control and measuring system --- using optical coupling circuitry
[NASA-CASE-NPO-21660-1] c 35 N74-21017
- Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
- OPTICAL DATA PROCESSING**
- Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
- Recorder/processor apparatus --- for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- OPTICAL DENSITY**
- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- OPTICAL EMISSION SPECTROSCOPY**
- Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
- OPTICAL EQUIPMENT**
- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
- Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
- Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
- Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630

- Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- Multiple pass remapping optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N84-16986
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- OPTICAL FILTERS**
- High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 35 N84-25016
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- OPTICAL GYROSCOPES**
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- OPTICAL HETERODYNING**
- Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
- Gregonian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- OPTICAL MEASUREMENT**
- Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample
Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
- Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N84-15960
- Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- OPTICAL MEASURING INSTRUMENTS**
- Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
- Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Visible and infrared polarization ratio spectroradiometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216
- OPTICAL PATHS**
- Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- OPTICAL PROPERTIES**
- Optical torqueometer Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- OPTICAL PUMPING**
- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- OPTICAL PYROMETERS**
- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
- OPTICAL RADAR**
- Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- OPTICAL RANGE FINDERS**
- Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
- OPTICAL REFLECTION**
- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
- Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
- Gregonian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
- Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
- OPTICAL RESONANCE**
- Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- OPTICAL SCANNERS**
- Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697
- Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
- Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
- Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
- Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
- Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888
- Optical scanner --- laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866
- Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
- Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- Optical scanner
[NASA-CASE-GSC-12897-1] c 74 N84-25450
- OPTICAL TRACKING**
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- OPTICAL TRANSFER FUNCTION**
- Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
- OPTICAL WAVEGUIDES**
- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- OPTIMIZATION**
- Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
- OPTOGALVANIC SPECTROSCOPY**
- Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 36 N84-15537

ORAL HYGIENE

Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

ORBIT TRANSFER VEHICLES

Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610

ORBITAL ASSEMBLY

Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895

ORBITAL MANEUVERS

Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278

ORBITAL MECHANICS

A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884

ORBITAL SERVICING

Electrical self-aligning connector --- orbital servicer vehicles
[NASA-CASE-MFS-25211-2] c 33 N84-14423
Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610
Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 15 N85-11122

ORBITAL SPACE STATIONS

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214

ORGANIC CHEMISTRY

Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4,5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

ORGANIC COMPOUNDS

Process for preparation of dianiinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
Analysis of volatile organic compounds --- trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746

ORGANIC PHOSPHORUS COMPOUNDS

Fire resistant polymers based on 1-((dialkoxyposphonyl)methyl)-2,4,6-diaminobenzene
[NASA-CASE-ARC-11512-1] c 27 N84-20702

ORGANIC SILICON COMPOUNDS

Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052

ORGANIC SULFUR COMPOUNDS

Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

ORGANOMETALLIC COMPOUNDS

Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
Carboranyl-methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

ORGANOMETALLIC POLYMERS
Metal containing polymers from cyclic tetrameric phenylphosphonitriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

ORIFICE FLOW
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924

ORIFICES
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736

ORTHO HYDROGEN

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

ORTHO PARA CONVERSION

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

ORTHOGONAL FUNCTIONS

Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 36 N84-15537

ORTHOGONAL MULTIPLEXING THEORY

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

ORTHOGONALITY

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092

ORTHOPEDECS

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

ORTHOTROPIC CYLINDERS

Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659

OSCILLATION DAMPERS

Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612
Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333

OSCILLATIONS

Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228

OSCILLATORS

Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470
Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919
JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974
Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N85-30201

OSCILLOSCOPES

Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517

OUTER PLANETS EXPLORERS

Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

OUTGASSING

Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100

OUTLET FLOW

Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

OUTPUT

Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373

OVENS

Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431

OVERPRESSURE

Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

OVERVOLTAGE

Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377

OXAZOLE

Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353

OXIDATION

Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MSC-14831-1] c 25 N78-10225
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385
Method for strengthening boron fibers
[NASA-CASE-LEW-13826-2] c 24 N84-24711
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555

OXIDATION RESISTANCE

Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
Method of protecting the surface of a substrate --- by applying aluminate coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261
Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213

Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
 [NASA-CASE-LEW-11930-4] c 24 N79-17916
 Improved thermal barrier coating system
 [NASA-CASE-LEW-13324-1] c 26 N82-26431
 Nicral ternary alloy having improved cyclic oxidation resistance
 [NASA-CASE-LEW-13339-1] c 26 N82-31505
 Improved nickel base coating alloy --- oxidation resistant coatings
 [NASA-CASE-LEW-13834-1] c 26 N83-24639
 Thermal barrier coating system
 [NASA-CASE-LEW-14057-1] c 24 N85-35233

OXIDATION-REDUCTION REACTIONS
 Electrochemical cell for rebalancing REDOX flow system
 [NASA-CASE-LEW-13150-1] c 44 N79-26474
 Catalyst surfaces for the chromous/chromic redox couple
 [NASA-CASE-LEW-13148-1] c 33 N80-20487
 Method of making formulated plastic separators for soluble electrode cells
 [NASA-CASE-LEW-12358-2] c 25 N82-21268

OXIDE FILMS
 Method of forming oxide coatings --- for solar collector heating panels
 [NASA-CASE-LEW-13132-1] c 27 N83-29388
 Thermal barrier coating system
 [NASA-CASE-LEW-14057-1] c 24 N85-35233

OXIDES
 Novel polymers and method of preparing same
 [NASA-CASE-NPO-10998-1] c 06 N73-32029

OXIDIZERS
 Electrolytically regenerative hydrogen-oxygen fuel cell Patent
 [NASA-CASE-XLE-04526] c 03 N71-11052
 Injection head for delivering liquid fuel and oxidizers
 [NASA-CASE-NPO-10046] c 28 N72-17843

OXIMETRY
 Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
 [NASA-CASE-XAC-05422] c 04 N71-23185

OXYGEN
 Analytical test apparatus and method for determining oxide content of alkali metal Patent
 [NASA-CASE-XLE-01997] c 06 N71-23527
 Method for removing oxygen impurities from cesium Patent
 [NASA-CASE-XNP-04262-2] c 17 N71-26773
 Method of detecting oxygen in a gas
 [NASA-CASE-LAR-10668-1] c 06 N73-16106
 Method for obtaining oxygen from lunar or similar soil
 [NASA-CASE-MS-C-12408-1] c 46 N74-13011
 Nonflammable coating compositions --- for use in high oxygen environments
 [NASA-CASE-MFS-20486-2] c 27 N74-17283
 A system for controlling the oxygen content of a gas produced by combustion
 [NASA-CASE-LAR-13257-1] c 25 N84-32447

OXYGEN CONSUMPTION
 Method and system for respiration analysis Patent
 [NASA-CASE-XFR-08403] c 05 N71-11202

OXYGEN FLUORIDES
 Utilization of oxygen difluoride for syntheses of fluoropolymers
 [NASA-CASE-NPO-12061-1] c 27 N76-16228

OXYGEN METABOLISM
 Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
 [NASA-CASE-MFS-21415-1] c 52 N74-20728

OXYGEN PLASMA
 Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
 [NASA-CASE-ARC-10915-2] c 27 N79-18052

OXYGEN RECOMBINATION
 Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
 [NASA-CASE-LEW-13822-1] c 33 N84-29084

OXYGEN REGULATORS
 Lead-oxygen dc power supply system having a closed loop oxygen and water system
 [NASA-CASE-MFS-23059-1] c 44 N76-27664

OXYGEN SUPPLY EQUIPMENT
 Self-contained breathing apparatus
 [NASA-CASE-MS-C-14733-1] c 54 N76-24900
 Slow opening valve --- valve design for shuttle portable oxygen system
 [NASA-CASE-MS-C-20112-1] c 37 N85-20338

OZONE
 Thermoluminescent aerosol analysis
 [NASA-CASE-LAR-12046-1] c 25 N78-15210
 Ozonation of cooling tower waters
 [NASA-CASE-NPO-14340-1] c 45 N80-14579

Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
 [NASA-CASE-NPO-13137-1] c 27 N80-32514

P

P-I-N JUNCTIONS
 High voltage v-groove solar cell
 [NASA-CASE-LEW-13401-2] c 44 N83-32177

P-N JUNCTIONS
 Thin window, drifted silicon, charged particle detector
 [NASA-CASE-XLE-10529] c 14 N69-23191
 Semiconductor p-n junction stress and strain sensor
 [NASA-CASE-XLA-04980] c 09 N69-27422
 Radiation resistant silicon semiconductor devices Patent
 [NASA-CASE-XGS-07801] c 09 N71-12513
 Biomedical radiation detecting probe Patent
 [NASA-CASE-XMS-01177] c 05 N71-19440
 Method of making electrical contact on silicon solar cell and resultant product Patent
 [NASA-CASE-XLE-04787] c 03 N71-20492
 Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
 [NASA-CASE-XNP-01961] c 26 N71-29156
 Method of making semiconductor p-n junction stress and strain sensor
 [NASA-CASE-XLA-04980-2] c 14 N72-28438
 Semiconductor surface protection material
 [NASA-CASE-ERC-10339-1] c 18 N73-30532
 Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
 [NASA-CASE-NPO-14100-1] c 44 N79-12541
 Back wall solar cell
 [NASA-CASE-LEW-12236-2] c 44 N79-14528

P-TYPE SEMICONDUCTORS
 Semiconductor material and method of making same Patent
 [NASA-CASE-XLE-02798] c 26 N71-23654
 Integrated P-channel MOS gyrator
 [NASA-CASE-MFS-22343-1] c 33 N74-34638
 Method of fabricating Schottky Barrier solar cell
 [NASA-CASE-NPO-13689-4] c 44 N82-28780

PACKAGES
 Impact testing machine Patent
 [NASA-CASE-XNP-04817] c 14 N71-23225
 One hand backpack harness
 [NASA-CASE-LAR-10102-1] c 05 N72-23085

PACKAGING
 Folding apparatus Patent
 [NASA-CASE-XLA-00137] c 15 N70-33180
 Reflector space satellite Patent
 [NASA-CASE-XLA-00138] c 31 N70-37981
 Apparatus and method for skin packaging articles
 [NASA-CASE-MFS-20855] c 15 N73-27405
 Double-sided solar cell package
 [NASA-CASE-NPO-14199-1] c 44 N79-25482
 Line hook with loop expander
 [NASA-CASE-LAR-12875-1] c 37 N83-20156

PACKET TRANSMISSION
 Multicomputer communication system
 [NASA-CASE-NPO-15433-1] c 32 N85-21428

PACKING DENSITY
 Micropacked column for a chromatographic system
 [NASA-CASE-XNP-04816] c 06 N69-39936

PACKINGS (SEALS)
 Fluid seal for rotating shafts
 [NASA-CASE-LEW-11676-1] c 37 N76-22541

PAD
 Lubricated journal bearing
 [NASA-CASE-LEW-11076-3] c 37 N75-30562

PAINTS
 Intumescent paints Patent
 [NASA-CASE-ARC-10099-1] c 18 N71-15469
 Alkali metal silicate protective coating Patent
 [NASA-CASE-XGS-04799] c 18 N71-24183
 Inorganic thermal control pigment Patent
 [NASA-CASE-XNP-02139] c 18 N71-24184
 Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
 [NASA-CASE-GSC-12883-1] c 27 N85-29044

PALLADIUM
 Electrically conductive palladium containing polyimide films
 [NASA-CASE-LAR-12705-1] c 25 N82-26396

PALLADIUM COMPOUNDS
 Prevention of pressure build-up in electrochemical cells Patent
 [NASA-CASE-XGS-01419] c 03 N70-41864
 Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
 [NASA-CASE-MS-C-13335-1] c 06 N72-31140

PANELS
 All-directional fastener Patent
 [NASA-CASE-XLA-01807] c 15 N71-10799
 Panelized high performance multilayer insulation Patent
 [NASA-CASE-MFS-14023] c 33 N71-25351
 Solar panel fabrication Patent
 [NASA-CASE-XNP-03413] c 03 N71-26726
 Method of making pressurized panel Patent
 [NASA-CASE-XLA-08916] c 15 N71-29018
 Honeycomb panels formed of minimal surface periodic tubule layers
 [NASA-CASE-ERC-10364] c 18 N72-25540
 Pressurized panel
 [NASA-CASE-XLA-08916-2] c 14 N73-28487
 Ultrasonic scanner for radial and flat panels
 [NASA-CASE-MFS-20335-1] c 35 N74-10415
 Folding structure fabricated of rigid panels
 [NASA-CASE-XHQ-02146] c 18 N75-27040
 Method of making a composite sandwich lattice structure
 [NASA-CASE-LAR-11898-2] c 24 N78-17149
 Selective coating for solar panels --- using black chrome and black nickel
 [NASA-CASE-LEW-12159-1] c 44 N78-19599
 Hexagon solar power panel
 [NASA-CASE-NPO-12148-1] c 44 N78-27515
 Aluminum or copper substrate panel for selective absorption of solar energy
 [NASA-CASE-MFS-23518-3] c 44 N80-16452
 Structural wood panels with improved fire resistance
 [NASA-CASE-ARC-11174-1] c 24 N81-13999
 Method of forming oxide coatings --- for solar collector heating panels
 [NASA-CASE-LEW-13132-1] c 27 N83-29388
 Combustor liner construction
 [NASA-CASE-LEW-14035-1] c 07 N84-24577
 Saltless solar pond
 [NASA-CASE-NPO-15808-1] c 44 N84-34792

PAPER (MATERIAL)
 Process for purification of waste water produced by a Kraft process pulp and paper mill
 [NASA-CASE-NPO-13847-2] c 85 N79-17747

PAPERS
 Guide for a typewriter
 [NASA-CASE-MFS-15218-1] c 37 N77-19457

PARA HYDROGEN
 Cooling by conversion of para to ortho-hydrogen
 [NASA-CASE-GSC-12770-1] c 25 N83-29324

PARABOLIC ANTENNAS
 Antenna beam-shaping apparatus Patent
 [NASA-CASE-XNP-00611] c 09 N70-35219
 Reversible motion drive system Patent
 [NASA-CASE-NPO-10173] c 15 N71-24696
 Switchable beamwidth monopulse method and system
 [NASA-CASE-GSC-11924-1] c 33 N76-27472
 Telescoping columns --- parabolic antenna support
 [NASA-CASE-LAR-12195-1] c 31 N81-27324
 Focal axis resolver for offset reflector antennas
 [NASA-CASE-GSC-12630-1] c 33 N83-36355

PARABOLIC REFLECTORS
 Parabolic reflector horn feed with spillover correction Patent
 [NASA-CASE-XNP-00540] c 09 N70-35382
 Foldable solar concentrator Patent
 [NASA-CASE-XLA-04622] c 03 N70-41580
 Collapsible reflector Patent
 [NASA-CASE-XMS-03454] c 09 N71-20658
 Plural beam antenna
 [NASA-CASE-GSC-11013-1] c 09 N73-19234
 Composite antenna feed
 [NASA-CASE-GSC-11046-1] c 07 N73-28013
 Single frequency, two feed dish antenna having switchable beamwidth
 [NASA-CASE-GSC-11968-1] c 32 N76-15329
 Sun tracking solar energy collector
 [NASA-CASE-NPO-13921-1] c 44 N79-14526
 Horizontally mounted solar collector
 [NASA-CASE-MFS-23349-1] c 44 N79-23481
 Solar concentrator
 [NASA-CASE-MFS-23727-1] c 44 N80-14473
 Apparatus for and method of compensating dynamic imbalance
 [NASA-CASE-GSC-12550-1] c 37 N84-28082

PARABOLOID MIRRORS
 Optical data processing using paraboloidal mirror segments
 [NASA-CASE-GSC-11296-1] c 23 N73-30666
 Three mirror glancing incidence system for X-ray telescope
 [NASA-CASE-MFS-21372-1] c 74 N74-27866

PARACHUTE DESCENT
 Parachute glider Patent
 [NASA-CASE-XLA-00898] c 02 N70-36804

Vehicle parachute and equipment jettison system Patent
 [NASA-CASE-XLA-00195] c 02 N70-38009
 Line cutter Patent
 [NASA-CASE-XMS-04072] c 15 N70-42017
 Vortex breech high pressure gas generator
 [NASA-CASE-LAR-10549-1] c 31 N73-13898

PARACHUTE FABRICS
 Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
 [NASA-CASE-LAR-10776-1] c 02 N74-10034
 Method for refurbishing and processing parachutes
 [NASA-CASE-KSC-11042-1] c 09 N82-29330

PARACHUTES
 System for stabilizing torque between a balloon and gondola
 [NASA-CASE-GSC-11077-1] c 02 N73-13008
 Deploy/release system --- model aircraft flight control
 [NASA-CASE-LAR-11575-1] c 02 N76-16014
 System and method for refurbishing and processing parachutes --- monorail conveyor system
 [NASA-CASE-KSC-11042-2] c 02 N81-26073
 Method for refurbishing and processing parachutes
 [NASA-CASE-KSC-11042-1] c 09 N82-29330
 Line hook with loop expander
 [NASA-CASE-LAR-12875-1] c 37 N83-20156
 Dual towline spin-recovery device
 [NASA-CASE-LAR-13076-1] c 08 N85-35200

PARAGLIDERS
 Parachute glider Patent
 [NASA-CASE-XLA-00898] c 02 N70-36804

PARALLAX
 Projection system for display of parallax and perspective
 [NASA-CASE-MFS-23194-1] c 35 N78-17357
 Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
 [NASA-CASE-NPO-15865-1] c 74 N85-34629

PARALLEL PLATES
 Parallel plate viscometer Patent
 [NASA-CASE-XNP-09462] c 14 N71-17584
 Dynamic capacitor having a peripherally driven element and system incorporating the same
 [NASA-CASE-XNP-02899-1] c 33 N79-21265
 Multiple plate hydrostatic viscous damper
 [NASA-CASE-LEW-12445-1] c 37 N81-22360

PARALLEL PROCESSING (COMPUTERS)
 Digital data reformatter/deserializer
 [NASA-CASE-NPO-13676-1] c 60 N79-20751
 Massively parallel processor computer
 [NASA-CASE-GSC-12223-1] c 60 N83-25378
 Memory-based parallel data output controller
 [NASA-CASE-GSC-12447-2] c 60 N84-28491

PARAMETRIC AMPLIFIERS
 Parametric amplifiers with idler circuit feedback
 [NASA-CASE-LAR-10253-1] c 09 N72-25258
 Millimeter wave pumped parametric amplifier
 [NASA-CASE-GSC-11617-1] c 33 N74-32660

PARAMETRIC FREQUENCY CONVERTERS
 Method and apparatus for quadruphase-shift-key and linear phase modulation
 [NASA-CASE-NPO-14444-1] c 33 N81-15192

PARAWINGS
 Wing deployment method and apparatus Patent
 [NASA-CASE-XMS-00907] c 02 N70-41630

PARKING
 Automated multi-level vehicle parking system
 [NASA-CASE-NPO-13058-1] c 37 N77-22480

PARTIAL PRESSURE
 Vapor pressure measuring system and method Patent
 [NASA-CASE-XMS-01618] c 14 N71-20741

PARTICLE ACCELERATION
 Molecular beam velocity selector Patent
 [NASA-CASE-XLE-01533] c 11 N71-10777
 Dust particle injector for hypervelocity accelerators Patent
 [NASA-CASE-XGS-06628] c 24 N71-16213

PARTICLE ACCELERATOR TARGETS
 Dispensing targets for ion beam particle generators
 [NASA-CASE-NPO-13112-1] c 73 N74-26767
 Deuterium pass through target --- neutron emitting target
 [NASA-CASE-LEW-11866-1] c 72 N76-15860
 Closed loop spray cooling apparatus --- for particle accelerator targets
 [NASA-CASE-LEW-11981-1] c 31 N78-17237

PARTICLE BEAMS
 Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
 [NASA-CASE-XLE-00243] c 14 N70-38602
 Doppler shift system --- system for measuring velocities of radiating particles
 [NASA-CASE-HQN-10740-1] c 72 N74-19310

Apparatus for measuring charged particle beam
 [NASA-CASE-MFS-25641-1] c 72 N84-28575

PARTICLE COLLISIONS
 Particle detection apparatus including a ballistic pendulum Patent
 [NASA-CASE-XMS-04201] c 14 N71-22990

PARTICLE DENSITY (CONCENTRATION)
 Micrometeoroid velocity measuring device Patent
 [NASA-CASE-XLA-00495] c 14 N70-41332

PARTICLE EMISSION
 Extended area semiconductor radiation detectors and a novel readout arrangement Patent
 [NASA-CASE-XGS-03230] c 14 N71-23401
 Coincidence apparatus for detecting particles
 [NASA-CASE-XLA-07813] c 14 N72-17328

PARTICLE ENERGY
 Particle detection apparatus Patent
 [NASA-CASE-XLA-00135] c 14 N70-33322
 Particulate and aerosol detector
 [NASA-CASE-LAR-11434-1] c 35 N76-22509

PARTICLE MASS
 Cosmic dust analyzer
 [NASA-CASE-MSC-13802-2] c 35 N76-15431
 Microbalance --- for measuring particle mass
 [NASA-CASE-MSC-11242] c 35 N78-17358

PARTICLE MOTION
 Moving particle composition analyzer
 [NASA-CASE-GSC-11889-1] c 35 N76-16393

PARTICLE PRODUCTION
 Production of I-123
 [NASA-CASE-LEW-11390-3] c 25 N76-29379

PARTICLE SIZE DISTRIBUTION
 Micropacked column for a chromatographic system
 [NASA-CASE-XNP-04816] c 06 N69-39936
 Apparatus for making a metal slurry product Patent
 [NASA-CASE-XLE-00010] c 15 N70-33382
 Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
 [NASA-CASE-XLE-03940] c 18 N71-26153
 Grain refinement control in TIG arc welding
 [NASA-CASE-MSC-19095-1] c 37 N75-19683
 Apparatus for handling micron size range particulate material
 [NASA-CASE-NPO-10151] c 37 N78-17386
 Frequency-scanning particle size spectrometer
 [NASA-CASE-NPO-13606-2] c 35 N80-18364
 Process for preparation of large-particle-size monodisperse latexes
 [NASA-CASE-MFS-25000-1] c 25 N81-19242
 Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
 [NASA-CASE-LEW-13556-1] c 44 N81-27615
 Powder fed sheared dispersal particle generator
 [NASA-CASE-LAR-12785-1] c 37 N84-16561

PARTICLE TRAJECTORIES
 Micrometeoroid velocity and trajectory analyzer
 [NASA-CASE-GSC-11892-1] c 35 N76-15433
 Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
 [NASA-CASE-LAR-12177-1] c 36 N81-24422

PARTICLES
 Soil particles separator, collector and viewer Patent
 [NASA-CASE-XNP-09770] c 15 N71-20440
 Apparatus for producing metal powders
 [NASA-CASE-XLE-06461-2] c 17 N72-28535
 Particle parameter analyzing system --- x-y plotter circuits and display
 [NASA-CASE-XLE-06094] c 33 N78-17293
 Surfactant-assisted liquefaction of particulate carbonaceous substances
 [NASA-CASE-NPO-13904-1] c 25 N79-11152
 Improved silicon grinding method and apparatus
 [NASA-CASE-NPO-16336-1-CU] c 31 N85-21407
 Acoustic particle separation
 [NASA-CASE-NPO-15559-1] c 71 N85-30765

PARTICULATE SAMPLING
 Apparatus for sampling particulates in gases
 [NASA-CASE-HQN-10037-1] c 14 N73-27376
 Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
 [NASA-CASE-MFS-21395-1] c 25 N74-26948
 Sampler of gas borne particles
 [NASA-CASE-NPO-13396-1] c 35 N76-18401
 Fine particulate capture device
 [NASA-CASE-LEW-11583-1] c 35 N79-17192
 Biocontamination and particulate detection system
 [NASA-CASE-NPO-13953-1] c 35 N79-28527
 Particle analyzing method and apparatus
 [NASA-CASE-NPO-15292-1] c 35 N83-27184

PASSAGEWAYS
 Inflatable tether Patent
 [NASA-CASE-XMS-10993] c 15 N71-28936

PASSENGERS
 Ride quality meter
 [NASA-CASE-LAR-12882-1] c 35 N84-12445

PASSIVE SATELLITES
 Passive communication satellite Patent
 [NASA-CASE-XLA-00210] c 30 N70-40309
 Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
 [NASA-CASE-XGS-02608] c 07 N70-41678
 Method of making an inflatable panel Patent
 [NASA-CASE-XLA-03497] c 15 N71-23052

PATENTS
 Constant magnification optical tracking system
 [NASA-CASE-NPO-14813-1] c 74 N82-24072
 Method for depositing an oxide coating
 [NASA-CASE-LEW-13131-1] c 44 N83-10494
 High stability amplifier
 [NASA-CASE-GSC-12646-1] c 33 N83-34191

PATIENTS
 Stretcher Patent
 [NASA-CASE-XMF-06589] c 05 N71-23159

PATTERN RECOGNITION
 Surface roughness detector Patent
 [NASA-CASE-XLA-00203] c 14 N70-34161
 Auditory display for the blind
 [NASA-CASE-HQN-10832-1] c 71 N74-21014

PAYLOAD RETRIEVAL (STS)
 Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
 [NASA-CASE-MFS-23052-2] c 74 N79-13855
 Satellite retrieval system
 [NASA-CASE-MFS-25403-1] c 18 N83-29303

PAYLOADS
 Foam generator Patent
 [NASA-CASE-XLA-00838] c 03 N70-36778
 Spacecraft separation system for spinning vehicles and/or payloads Patent
 [NASA-CASE-XLA-02132] c 31 N71-10582
 Payload/burned-out motor case separation system Patent
 [NASA-CASE-XLA-05369] c 31 N71-15687
 Velocity package Patent
 [NASA-CASE-XLA-01339] c 31 N71-15692
 Omnidirectional multiple impact landing system Patent
 [NASA-CASE-XLA-09881] c 31 N71-16085
 Zero gravity apparatus Patent
 [NASA-CASE-XMF-06515] c 14 N71-23227
 Space probe/satellite ejection apparatus for spacecraft
 [NASA-CASE-MFS-15429-1] c 18 N84-22609

PCM TELEMETRY
 Variable time constant smoothing circuit Patent
 [NASA-CASE-XGS-01983] c 10 N70-41964
 Data transfer system Patent
 [NASA-CASE-NPO-12107] c 08 N71-27255
 High speed direct binary-to-binary coded decimal converter
 [NASA-CASE-KSC-10326] c 08 N72-21197

PEELING
 Wire stripper
 [NASA-CASE-FRC-10111-1] c 37 N79-10419

PEENING
 Method of coating a substrate with a rapidly solidified metal
 [NASA-CASE-GSC-12880-1] c 26 N84-20670

PELLETS
 Support structure for irradiated elements Patent
 [NASA-CASE-XNP-06031] c 15 N71-15606
 Contactless pellet fabrication
 [NASA-CASE-NPO-15592-1] c 71 N84-16940

PELLTIER EFFECTS
 Protection for energy conversion systems
 [NASA-CASE-XGS-04808] c 03 N69-25146
 Memory metal actuator --- for use in electromechanical servocontrol systems
 [NASA-CASE-NPO-15960-1] c 37 N83-36485

PENETRANTS
 Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
 [NASA-CASE-XMF-02221] c 18 N71-27170

PENETRATION
 Method and device for detection of surface discontinuities or defects
 [NASA-CASE-MSC-14187-1] c 35 N74-32879
 Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
 [NASA-CASE-KSC-11064-1] c 31 N81-14137

PENETROMETERS
 Lunar penetrometer Patent
 [NASA-CASE-XLA-00934] c 14 N71-22765
 Self-recording portable soil penetrometer
 [NASA-CASE-MFS-20774] c 14 N73-19420
 Soil penetrometer
 [NASA-CASE-XNP-05530] c 14 N73-32321
 Penetrometer --- for determining load bearing characteristics of inclined surfaces
 [NASA-CASE-NPO-11103-1] c 35 N77-27367

Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

PERCEPTION
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122

PERFLUORO COMPOUNDS
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Polymerizable diislanols having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744

PERFLUOROALKANE
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300

PERFORATED PLATES
Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582

PERFORATED SHELLS
Method of fabricating an article with cavities --- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089

PERFORMANCE PREDICTION
Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

PERFORMANCE TESTS
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187

PERIODIC VARIATIONS
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401

PERIPHERAL EQUIPMENT (COMPUTERS)
Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492

PERMEABILITY
Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906

PEROXIDES
Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252

PERSPIRATION
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

PERTURBATION
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

PERTURBATION THEORY

Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783

PH FACTOR
Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923

PHASE COHERENCE
Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523

PHASE CONTRAST
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037

PHASE CONTROL
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493

PHASE DEMODULATORS
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

PHASE DETECTORS
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1.CU] c 33 N85-29143

PHASE DEVIATION
System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927

PHASE LOCK DEMODULATORS
Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859

PHASE LOCKED SYSTEMS
Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543

Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Low speed phase-locked speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N85-20249
Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441

PHASE MODULATION
Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319

- Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
Closed Loop solar array-on thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MS-C-18675-1] c 32 N84-22820
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MS-C-16170-2] c 32 N84-27952
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28580
- PHASE SHIFT**
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-16371-1] c 33 N85-20251
Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
- PHASE SHIFT CIRCUITS**
Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172
Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Pseudonoise code tracking loop
[NASA-CASE-MS-C-18035-1] c 32 N81-15179
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- PHASE SHIFT KEYING**
Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Differential phase shift keyed communication system
[NASA-CASE-MS-C-14065-1] c 32 N74-26654
Differential phase shift keyed signal resolver
[NASA-CASE-MS-C-14066-1] c 33 N74-27705
Unbalanced quadrature demodulator
[NASA-CASE-MS-C-14840-1] c 32 N77-24331
Method and apparatus for quadrature-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- PHASE SWITCHING INTERFEROMETERS**
Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- PHASE TRANSFORMATIONS**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Ten degree Kelvin hydride refrigerator
[NASA-CASE-NPO-16393-1-CU] c 31 N85-29084
- PHASE VELOCITY**
Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- PHASED ARRAYS**
Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
Phased array antenna control
[NASA-CASE-MS-C-14939-1] c 32 N79-11264
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
Coaxial phased array antenna
[NASA-CASE-MS-C-16800-1] c 32 N81-14187
Spiral slotted phased antenna array
[NASA-CASE-MS-C-18532-1] c 32 N82-27558
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
- PHENOLIC RESINS**
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- PHENOLS**
Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- PHENYLS**
The 1,1,1-triarylethane-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- PHONOCARDIOGRAPHY**
Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- PHOSPHATES**
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- PHOSPHAZENE**
Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylchlorophosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Carboranylmethylenesubstituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- PHOSPHINES**
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-C-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MS-C-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-C-14903-3] c 27 N80-24438
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- PHOSPHONITRILES**
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- PHOSPHORS**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- PHOSPHORUS**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
- PHOSPHORUS COMPOUNDS**
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- PHOSPHORUS POLYMERS**
Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylchlorophosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- PHOTOABSORPTION**
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- PHOTOCATODES**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- PHOTOCHEMICAL REACTIONS**
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
Vitra-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MS-C-16074-1] c 27 N80-26446
- PHOTOCONDUCTIVE CELLS**
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- PHOTOCONDUCTIVITY**
Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- PHOTOCONDUCTORS**
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- PHOTODIODES**
Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- PHOTODISSOCIATION**
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- PHOTOELECTRIC CELLS**
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- PHOTOELECTRIC EFFECT**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- PHOTOELECTRIC EMISSION**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- PHOTOELECTRIC MATERIALS**
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- PHOTOELECTRICITY**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- PHOTOELECTROCHEMICAL DEVICES**
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
- PHOTOELECTRON SPECTROSCOPY**
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- PHOTOGRAPHIC EMULSIONS**
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MS-C-18107-1] c 27 N81-25209
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- PHOTOGRAPHIC EQUIPMENT**
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308

- System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- PHOTOGRAPHIC FILM**
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MS-12640-1] c 74 N76-31998
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- PHOTOGRAPHIC MEASUREMENT**
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
- PHOTOGRAPHIC PROCESSING**
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389
- PHOTOGRAPHIC PROCESSING EQUIPMENT**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- PHOTOGRAPHIC RECORDING**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
Phototrophic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- PHOTOGRAPHY**
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
X-ray determination of parts alignment
[NASA-CASE-MS-20418-1] c 37 N83-17882
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639
- PHOTOIONIZATION**
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- PHOTOLYSIS**
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
- PHOTOMAPPING**
Window defect planar mapping technique
[NASA-CASE-MS-19442-1] c 74 N77-10899
- PHOTOMASKS**
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MS-18107-1] c 27 N81-25209
- PHOTOMECHANICAL EFFECT**
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- PHOTOMETERS**
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
- Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
- PHOTOMICROGRAPHY**
Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N85-20250
- PHOTOMULTIPLIER TUBES**
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328
Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
Photomultiplier circuit including means for rapidly reducing the sensitivity thereof --- and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682
- PHOTON BEAMS**
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
- PHOTON-ELECTRON INTERACTION**
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
- PHOTONS**
Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N85-30779
- PHOTOSENSITIVITY**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Solar optical telescope dome control system Patent
[NASA-CASE-MS-10966] c 14 N71-19568
Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
Liquid crystal light valve structures
[NASA-CASE-MS-20036-1] c 76 N85-33826
- PHOTOTRANSISTORS**
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
- PHOTOTROPISM**
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- PHOTOVISCOELASTICITY**
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
- PHOTOVOLTAIC CELLS**
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
- Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
Solar cells having integral collector grds
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
Method of making macrocrystalline or single crystal semiconductor material and products produced thereby --- epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993
GaAs Schottky barrier photo-responsive device and method of fabrication --- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
Thermionic photovoltaic energy converter
[NASA-CASE-LEW-14077-1] c 44 N85-34441
- PHOTOVOLTAIC CONVERSION**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- PHOTOVOLTAIC EFFECT**
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-12259-1] c 07 N70-12616
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Thermionic photovoltaic energy converter
[NASA-CASE-LEW-14077-1] c 44 N85-34441
- PHthalATES**
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- PHthalOCYANIN**
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
Metal (2,4,4',4') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- PHYSICAL EXERCISE**
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
- PHYSICAL PROPERTIES**
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- PHYSIOLOGICAL EFFECTS**
Restraint torso for a pressurized suit
[NASA-CASE-MS-12397-1] c 05 N72-25119
- PHYSIOLOGICAL TESTS**
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MS-14180-1] c 52 N76-14757

PHYSIOLOGY

- Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891

PIERCING

- Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

PIEZOELECTRIC CRYSTALS

- Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
CDS solid state phase insensitive ultrasonic transducer
--- annealing dadmum sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559

PIEZOELECTRIC TRANSDUCERS

- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MS-C-19672-1] c 38 N79-14398
Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 35 N84-32782

PIEZOELECTRICITY

- Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796

PIEZORESISTIVE TRANSDUCERS

- Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490

PIGMENTS

- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772

PILOT TRAINING

- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

PILOTS (PERSONNEL)

- System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483

PINCH EFFECT

- Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550

PINHOLE CAMERAS

- Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281

PINS

- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385

PINTLES

- Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MS-C-12116-1] c 15 N71-17648

PIPE FLOW

- Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
Monogroove heat pipe design Insulated liquid channel with bridging wick
[NASA-CASE-MS-C-20497-1] c 34 N85-29180

PIPELINES

- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

PIPELINING (COMPUTERS)

- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651

PIPES (TUBES)

- Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935

- Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Sealed separable connection Patent
[NASA-CASE-NPO-10064] c 15 N71-17693

- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694

- Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693

- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445

- Open type urine receptacle
[NASA-CASE-MS-C-12324-1] c 05 N72-22093
Method for measuring cutaneous sensory perception
[NASA-CASE-MS-C-13609-1] c 05 N72-25122
Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287

- Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
Honeycomb core structures of minimal surface tubule sections
[NASA-CASE-ERC-10363] c 18 N72-25541

- Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512

- Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672

- Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MS-C-18430-1] c 37 N82-24491

- Open ended tubing cutters
[NASA-CASE-MS-C-18538-1] c 37 N82-26672
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095

- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
Improved fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N85-30286

- PISTON ENGINES**
Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

- Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
Stirling cycle cryogenic cooler
[US-PATENT-4,369,849] c 44 N83-28574

- PISTONS**
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465

- Collapsible pistons
[NASA-CASE-MS-C-13789-1] c 11 N73-32152
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790

- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

- Stirling cycle cryogenic cooler --- magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Gas-to-hydraulic power converter
[NASA-CASE-MS-C-18794-1] c 44 N83-14693
Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975

- PITCH (INCLINATION)**
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152

- PIVOTS**
Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 54 N84-11761
Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492

- PLANAR STRUCTURES**
Window defect planar mapping technique
[NASA-CASE-MS-C-19442-1] c 74 N77-10899
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764

- PLANE WAVES**
Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130

- PLANETARY ATMOSPHERES**
Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

- PLANETARY GRAVITATION**
Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394

- PLANETARY LANDING**
Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

- PLANETARY ORBITS**
Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296

- PLANETARY RADIATION**
Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880

- PLANETARY SURFACES**
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118

- PLANTS (BOTANY)**
Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

- PLASMA ACCELERATION**
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688

- PLASMA ACCELERATORS**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693

Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184

Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931

PLASMA CONTROL

Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710

Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

PLASMA CYLINDERS

Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519

PLASMA DENSITY

Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618

Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491

PLASMA DIAGNOSTICS

Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884

Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073

Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA DYNAMICS

Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073

Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

PLASMA ENGINES

Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694

PLASMA GENERATORS

Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661

Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562

Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688

Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951

Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416

PLASMA GUNS

Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610

PLASMA JETS

Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087

Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426

Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913

PLASMA LAYERS

Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331

Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372

Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284

PLASMA POTENTIALS

Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429

PLASMA PROBES

Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884

Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747

PLASMA PROPULSION

Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310

Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256

PLASMA RADIATION

Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563

Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753

PLASMA SHEATHS

Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563

PLASMA SPRAYING

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450

Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

PLASMA TEMPERATURE

Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA-ELECTROMAGNETIC INTERACTION

Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

PLASMAS (PHYSICS)

Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073

Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491

PLASMONS

Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492

Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768

PLASTIC COATINGS

Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895

Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405

Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580

Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052

Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

Process for preparing highly optically transparent-colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N85-21360

PLASTIC DEFORMATION

Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740

Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

PLASTIC TAPES

Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472

PLASTICIZERS

Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530

Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340

Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

PLASTICS

Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713

Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022

Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721

Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117

Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

PLATENS

Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

PLATES (STRUCTURAL MEMBERS)

Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362

Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477

Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416

Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N84-20859

PLATING

Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047

Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360

Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065

Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

PLATINUM

Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

Platinum resistance thermometer circuit
[NASA-CASE-MSC-12327-1] c 35 N77-27368

PLATINUM ALLOYS

Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

PLAYBACKS

Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246

PLENUM CHAMBERS

Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689

Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457

Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605

Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568

PLETHYSMOGRAPHY

Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525

Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578

PLOTTERS

Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246

Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

PLOTTING

Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

PLUG NOZZLES

Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117

Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

PLUGS

Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503

Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505

Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661

Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

PNEUMATIC CONTROL

- Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- Valve actuator Patent
[NASA-CASE-XHO-01208] c 15 N70-35409
- Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
- Foot pedal operated fluid type exercising device
[NASA-CASE-MS-C-11561-1] c 05 N73-32014
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465

PNEUMATIC EQUIPMENT

- High pressure air valve Patent
[NASA-CASE-MS-C-11010] c 15 N71-19485
- Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- Pneumatic amplifier Patent
[NASA-CASE-MS-C-12121-1] c 15 N71-27147
- Life raft stabilizer
[NASA-CASE-MS-C-12393-1] c 02 N73-26006
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
- Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402
- Gas-to-hydraulic power converter
[NASA-CASE-MS-C-18794-1] c 44 N83-14693
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443

POINT SOURCES

- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHO-04106] c 14 N70-40240
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

POINTING CONTROL SYSTEMS

- Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
- All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
- Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520

POINTS (MATHEMATICS)

- Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701

POLAR ORBITS

- Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676

POLARIMETERS

- Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
- Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446

POLARITY

- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109

POLARIZATION (WAVES)

- System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

POLARIZED ELECTROMAGNETIC RADIATION

- Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
- Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
- Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- Coaxial phased array antenna
[NASA-CASE-MS-C-16800-1] c 32 N81-14187

POLARIZED LIGHT

- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Visible and infrared polarization ratio spectroradiometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229

POLARIZED RADIATION

- Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

POLARIZERS

- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891

POLISHING

- Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

POLLUTION CONTROL

- System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
- Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555

POLLUTION MONITORING

- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
- Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
- Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
- Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
- Solid sorbent air sampler
[NASA-CASE-MS-C-20653-1] c 35 N85-20301

POLYAMIDE RESINS

- Ultra-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MS-C-16074-1] c 27 N80-26446
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
- Heat resistant protective hand covering
[NASA-CASE-MS-C-20261-1] c 54 N84-28484
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- Process for preparing highly optically transparent-colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N85-21360
- Fire and heat resistant laminating resins based on maleimide and citraconimide substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364

POLYBENZIMIDAZOLE

- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232

POLYBUTADIENE

- New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
- Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

POLYCARBONATES

- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190

POLYCRYSTALS

- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

POLYESTERS

- Novel polycarboxylic prepolymer materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
- Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N84-28987
- Ethynyl-terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-1] c 27 N84-28988
- Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043

POLYETHER RESINS

- Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom
[NASA-CASE-LAR-13262-1] c 23 N85-28973

POLYIMIDE RESINS

- Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
- Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
- Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352
- Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 25 N85-30039

POLYIMIDES

- Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125

- Polyimides of ether-linked aryl tetracarboxylic dianhydrides
 [NASA-CASE-MFS-22355-1] c 23 N76-15268
 Process for preparing thermoplastic aromatic polyimides
 [NASA-CASE-LAR-11828-1] c 27 N78-32261
 Ambient cure polyimide foams --- thermal resistant foams
 [NASA-CASE-ARC-11170-1] c 27 N79-11215
 Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
 [NASA-CASE-ARC-11107-1] c 25 N80-16116
 Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
 [NASA-CASE-LAR-12099-1] c 27 N80-16158
 Method for preparing additive type polyimide prepreps
 [NASA-CASE-LAR-12054-2] c 27 N81-14078
 Aluminum ion-containing polyimide adhesives
 [NASA-CASE-LAR-12640-1] c 27 N82-11206
 Electrically conductive palladium containing polyimide films
 [NASA-CASE-LAR-12705-1] c 25 N82-26396
 Elastomer toughened polyimide adhesives
 [NASA-CASE-LAR-12775-1] c 27 N83-28240
 Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
 [NASA-CASE-LAR-12858-1] c 27 N83-34041
 Melt-flow-toughness modified polyimide
 [NASA-CASE-LAR-13135-1] c 27 N84-34616
 Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
 [NASA-CASE-LAR-12858-2] c 27 N85-20124
 Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
 [NASA-CASE-LAR-13353-1] c 27 N85-20128
 Oxidation protection coatings for polymers
 [NASA-CASE-LEW-14072-1] c 27 N85-20129
 Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
 [NASA-CASE-LAR-12775-2] c 27 N85-21349
 Fire resistant polymers based on 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diamino benzenes
 [NASA-CASE-ARC-11512-2] c 27 N85-21362
 Fire-resistant phosphorus containing polyimides and copolyimides
 [NASA-CASE-ARC-11522-2] c 27 N85-34280
- POLYISOBUTYLENE**
 Method of forming difunctional polyisobutylene
 [NASA-CASE-NPO-10893] c 27 N73-22710
- POLYISOPRENES**
 Enhancement of in vitro guayule propagation
 [NASA-CASE-NPO-15213-1] c 51 N83-17045
- POLYMER CHEMISTRY**
 Trifunctional alcohol
 [NASA-CASE-NPO-10714] c 06 N69-31244
 Synthesis of siloxane-containing epoxy polymers Patent
 [NASA-CASE-MFS-13994-1] c 06 N71-11240
 Apparatus for testing polymeric materials Patent
 [NASA-CASE-XNP-09699] c 06 N71-24607
 Polyimide adhesives
 [NASA-CASE-LAR-11397-1] c 27 N75-29263
 Trimerization of aromatic nitriles
 [NASA-CASE-LEW-12053-1] c 27 N78-15276
 Polyimide adhesives
 [NASA-CASE-LAR-12181-1] c 27 N78-17205
 Infusible silazane polymer and process for producing same --- protective coatings
 [NASA-CASE-XMF-02526-1] c 27 N79-21190
 Fluorine-containing polyformals
 [NASA-CASE-XMF-06900-1] c 27 N79-21191
 In situ self cross-linking of polyvinyl alcohol battery separators
 [NASA-CASE-LEW-12972-1] c 44 N79-25481
 Bifunctional monomers having terminal oxime and cyano or amidine groups
 [NASA-CASE-ARC-11253-3] c 27 N81-24256
 In-situ cross linking of polyvinyl alcohol --- application to battery separator films
 [NASA-CASE-LEW-13135-2] c 27 N81-24257
 Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
 [NASA-CASE-NPO-10424-1] c 27 N81-24258
 Process for the preparation of polycarbonylphosphazenes --- thermal insulation
 [NASA-CASE-ARC-11176-2] c 27 N81-27271
 Phosphorus-containing bisimide resins
 [NASA-CASE-ARC-11321-1] c 27 N81-27272
 Preparation of crosslinked 1,2,4-oxadiazole polymer
 [NASA-CASE-ARC-11253-2] c 27 N82-24338
 Preparation of perfluorinated 1,2,4-oxadiazoles
 [NASA-CASE-ARC-11267-2] c 23 N82-28353
- Chemical approach for controlling nadimide cure temperature and rate
 [NASA-CASE-LEW-13770-6] c 25 N85-30039
- POLYMER MATRIX COMPOSITES**
 Intumescent-ablator coatings using endothermic fillers
 [NASA-CASE-ARC-11043-1] c 24 N78-27180
- POLYMER PHYSICS**
 High performance mixed bisimide resins and composites based thereon
 [NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- POLYMERIC FILMS**
 Processing for producing a sterilized instrument Patent
 [NASA-CASE-XNP-09763] c 14 N71-20461
 Hydraulic casting of liquid polymers Patent
 [NASA-CASE-XNP-07659] c 06 N71-22975
 Thermodielectric radiometer utilizing polymer film
 [NASA-CASE-ARC-10138-1] c 14 N72-24477
 Apparatus and method for skin packaging articles
 [NASA-CASE-MFS-20855] c 15 N73-27405
 Covered silicon solar cells and method of manufacture --- with polymeric films
 [NASA-CASE-LEW-11065-2] c 44 N76-14600
 Preparation of dielectric coating of variable dielectric constant by plasma polymerization
 [NASA-CASE-ARC-10892-2] c 27 N79-14214
 Reverse osmosis membrane of high urea rejection properties --- water purification
 [NASA-CASE-ARC-10980-1] c 27 N80-23452
 Surface finishing
 [NASA-CASE-MSC-12631-3] c 27 N81-14077
 Cross-linked polyvinyl alcohol and method of making same
 [NASA-CASE-LEW-13101-2] c 23 N81-29160
 Separator for alkaline electric cells and method of making
 [NASA-CASE-GSC-10017-1] c 44 N82-24643
 Electrically conductive palladium containing polyimide films
 [NASA-CASE-LAR-12705-1] c 25 N82-26396
 Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
 [NASA-CASE-LEW-13120-1] c 27 N82-28440
 Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
 [NASA-CASE-ARC-11359-1] c 51 N84-28361
 Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
 [NASA-CASE-LAR-13353-1] c 27 N85-20128
 Process for preparing highly optically transparent-colorless aromatic polyimide film
 [NASA-CASE-LAR-13351-1] c 27 N85-21360
- POLYMERIZATION**
 New polymers of perfluorobutadiene and method of manufacture Patent application
 [NASA-CASE-NPO-10863] c 06 N70-11251
 Method of polymerizing perfluorobutadiene Patent application
 [NASA-CASE-NPO-10447] c 06 N70-11252
 Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4,5-tetraamino-benzene Patent
 [NASA-CASE-XLA-03104] c 06 N71-11235
 Imidazopyrrolone/imide copolymers Patent
 [NASA-CASE-XLA-08802] c 06 N71-11238
 Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
 [NASA-CASE-XMF-08655] c 06 N71-11239
 Azine polymers and process for preparing the same Patent
 [NASA-CASE-XMF-08656] c 06 N71-11242
 Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
 [NASA-CASE-XMF-08652] c 06 N71-11243
 Elastomeric silazane polymers and process for preparing the same Patent
 [NASA-CASE-XMF-04133] c 06 N71-20717
 Reaction of fluorine with polyperfluoropolyenes
 [NASA-CASE-NPO-10862] c 06 N72-22107
 Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
 [NASA-CASE-MFS-20979] c 06 N72-25151
 Polymers of perfluorobutadiene and method of manufacture
 [NASA-CASE-NPO-10863-2] c 06 N72-25152
 Fluorohydroxy ethers
 [NASA-CASE-MFS-10507] c 06 N73-30101
 Highly fluorinated polymers
 [NASA-CASE-MFS-11492] c 06 N73-30102
 Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
 [NASA-CASE-ARC-10643-1] c 25 N75-12087
 Utilization of oxygen difluoride for syntheses of fluoropolymers
 [NASA-CASE-NPO-12061-1] c 27 N76-16228
- Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
 [NASA-CASE-NPO-10557] c 27 N78-17214
 Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
 [NASA-CASE-ARC-11008-1] c 27 N78-31232
 Ambient cure polyimide foams --- thermal resistant foams
 [NASA-CASE-ARC-11170-1] c 27 N79-11215
 Preparation of heterocyclic block copolymer omega-diamidoximes
 [NASA-CASE-ARC-11060-1] c 27 N79-22300
 Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
 [NASA-CASE-LEW-12053-2] c 27 N79-28307
 Mixed diamines for lower melting addition polyimide preparation and utilization
 [NASA-CASE-LAR-12054-1] c 27 N79-33316
 Compound oxidized styrylphosphine --- flame resistant vinyl polymers
 [NASA-CASE-MSC-14903-2] c 27 N80-10358
 Heat resistant polymers of oxidized styrylphosphine
 [NASA-CASE-MSC-14903-3] c 27 N80-24438
 Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
 [NASA-CASE-ARC-11241-1] c 25 N81-14016
 Viscoelastic cationic polymers containing the urethane linkage
 [NASA-CASE-NPO-10830-1] c 27 N81-15104
 Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
 [NASA-CASE-ARC-11248-1] c 27 N81-17259
 The 1,2,4-oxadiazole elastomers --- heat resistant polymers
 [NASA-CASE-ARC-11253-1] c 27 N81-17262
 Process for preparation of large-particle-size monodisperse latexes
 [NASA-CASE-MFS-25000-1] c 25 N81-19242
 Ion-exchange hollow fibers
 [NASA-CASE-NPO-13309-1] c 25 N81-19244
 Carboranylchlorophosphazenes and their polymers --- thermal insulation
 [NASA-CASE-ARC-11176-1] c 27 N82-18389
 Electrically conductive palladium containing polyimide films
 [NASA-CASE-LAR-12705-1] c 25 N82-26396
 The 1-(dialkoxylphosphonyl)methyl-2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
 [NASA-CASE-ARC-11425-1] c 23 N83-28076
 Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
 [NASA-CASE-LAR-12858-1] c 27 N83-34041
 Elastomer-modified phosphorus-containing imide resins
 [NASA-CASE-ARC-11400-1] c 27 N84-14322
 Process for preparing phthalocyanine polymers
 [NASA-CASE-ARC-11511-1] c 23 N84-16259
 Amine terminated bisaspartimides, process for preparation thereof, and polymers thereof
 [NASA-CASE-ARC-11421-1] c 27 N84-16340
 Fire resistant polymers based on 1-(dialkoxylphosphonyl)methyl-2,4- and -2,6-diaminobenzenes
 [NASA-CASE-ARC-11512-1] c 27 N84-20702
 Supercritical solvent coil extraction
 [NASA-CASE-NPO-15210-1] c 25 N84-22709
 Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
 [NASA-CASE-LAR-12723-2] c 27 N84-22746
 Polyphenylene ethers with imide linking groups
 [NASA-CASE-LAR-12980-1] c 27 N84-22749
 Carboranyl-methylene-substituted phosphazenes and polymers thereof
 [NASA-CASE-ARC-11370-1] c 27 N84-22750
 Metal phthalocyanine polymers
 [NASA-CASE-ARC-11405-1] c 27 N84-27884
 Sulfone-ester polymers containing pendent ethynyl groups
 [NASA-CASE-LAR-13316-1] c 27 N84-28987
 Ethynyl-terminated ester oligomers and polymers therefrom
 [NASA-CASE-LAR-13118-1] c 27 N84-28988
 Phthalocyanine polymers
 [NASA-CASE-ARC-11413-1] c 27 N85-21348
 Fire resistant polymers based on 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diamino benzenes
 [NASA-CASE-ARC-11512-2] c 27 N85-21362
 Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
 [NASA-CASE-ARC-11533-1] c 27 N85-21364
 Stabilized unsaturated polyesters
 [NASA-CASE-NPO-16103-1] c 27 N85-29043

POLYMERS

Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237

Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161

Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620

Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

Polymers vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764

Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710

Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715

Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745

Carboranyl-methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282

POLYMETHYL METHACRYLATE

Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164

Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854

POLYPHENYL ETHER

Polypheylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749

POLYPHENYLS

Polypheylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

Polypheylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749

POLYSACCHARIDES

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

POLYTETRAFLUOROETHYLENE

Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404

Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044

POLYURETHANE FOAM

Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135

Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767

Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310

Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436

POLYURETHANE RESINS

Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254

Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151

Polyurethanes of fluorne containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099

Polyurethanes from fluoroalkyl propylene glycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100

Fluorne containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076

Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213

POLYVINYL ALCOHOL

In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481

Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516

In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257

Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615

Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160

Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188

Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805

PONDS

Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474

PORCELAIN

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

POROSITY

Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371

POROUS MATERIALS

Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468

Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046

Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137

Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103

Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108

Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692

Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426

Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171

Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176

POROUS PLATES

Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197

PORPHYRINS

Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

PORTABLE EQUIPMENT

Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932

Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721

Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654

Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518

One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085

Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413

Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420

Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361

System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395

Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163

Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808

Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299

Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949

Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707

Two-dimensional scanner apparatus --- flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928

Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766

Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294

Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631

PORTABLE LIFE SUPPORT SYSTEMS

Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799

PORTS (OPENINGS)

Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256

Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

POSITION (LOCATION)

Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958

Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090

Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080

Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173

Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696

Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389

Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877

Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194

Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331

Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404

X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898

Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300

POSITION INDICATORS

Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432

- Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
- Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
- Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
- Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MS-C-12593-1] c 17 N76-21250
- Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
- Synchronization tracking in pulse position modulation receiver
[NASA-CASE-NPO-16256-1] c 32 N84-32620
- Improved legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226
- POSITION SENSING**
- Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
- POSITIONING**
- Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
- Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- POSITIONING DEVICES (MACHINERY)**
- Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
- Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
- Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
- Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
- Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083
- POSITIVE FEEDBACK**
- Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
- POTABLE WATER**
- Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
- Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
- Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- Iodine generator for reclaimed water purification
[NASA-CASE-MS-C-14632-1] c 54 N78-14784
- Degasifying and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MS-C-18936-1] c 35 N83-29652
- POTASSIUM SILICATES**
- Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
- POTENTIOMETERS**
- Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- POTENTIOMETERS (INSTRUMENTS)**
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
- Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- POTTING COMPOUNDS**
- Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
- Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
- Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- POWDER (PARTICLES)**
- Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- POWDER METALLURGY**
- Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
- Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
- Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
- Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
- Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
- Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
- Cermet composition and method of fabrication --- heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311
- Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N84-20670
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- POWDERED ALUMINUM**
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- POWER AMPLIFIERS**
- Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
- Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
- Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
- Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
- POWER CONDITIONING**
- Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
- Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
- Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492
- POWER CONVERTERS**
- Gas-to-hydraulic power converter
[NASA-CASE-MS-C-18794-1] c 44 N83-14693
- POWER EFFICIENCY**
- Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
- Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
- Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007
- Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
- Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- POWER FACTOR CONTROLLERS**
- Tnac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
- Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877
- POWER GAIN**
- Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
- CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- POWER LIMITERS**
- Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
- POWER LINES**
- Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
- Motor run-up system --- power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524
- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-XSC-10899-1] c 33 N79-18193
- Shielded conductor cable system
[NASA-CASE-MS-C-12745-1] c 33 N81-27397
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
- Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N84-29085
- POWER SERIES**
- Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
- Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- POWER SPECTRA**
- Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177
- Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651
- POWER SUPPLIES**
- Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
- Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
- High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
- Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
- POWER SUPPLY CIRCUITS**
- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
- Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
- Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
- Pulsed energy power system Patent
[NASA-CASE-MS-C-13112] c 03 N71-11057
- Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
- Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892

- Unsaturation saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
- Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
- High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
- Integrable power gyrator --- with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428
- The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
- Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
- Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
- Trac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- PRECSSION**
- Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
- PRECIPITATION (CHEMISTRY)**
- Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
- PRECIPITATORS**
- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
- PRECISION**
- Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- PREFLIGHT OPERATIONS**
- Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
- PRELAUNCH TESTS**
- Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
- Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- PREPOLYMERS**
- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
- Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- PREPREGS**
- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- Vinyl styrylpyridines and their copolymerization with bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341
- PRESSURE**
- Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
- Oscillating pressure device for dynamic calibration of pressure transducers
[NASA-CASE-LAR-13094-1] c 35 N85-29217
- PRESSURE CHAMBERS**
- Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
- Whole body measurement systems --- for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975
- Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- PRESSURE DISTRIBUTION**
- Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
- Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
- Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
- PRESSURE DROP**
- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- PRESSURE EFFECTS**
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469
- Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559
- Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- PRESSURE GAGES**
- Differential pressure sensor cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
- Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
- Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
- Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
- Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- PRESSURE GRADIENTS**
- Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- PRESSURE HEADS**
- Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- PRESSURE MEASUREMENT**
- Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
- Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
- Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
- High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
- Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- PRESSURE REDUCTION**
- Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
- Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
- Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
- PRESSURE REGULATORS**
- Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
- Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922
- High pressure regulator valve Patent
[NASA-CASE-NPO-00710] c 15 N71-10778
- Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
- Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
- High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
- Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
- Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
- Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
- Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873
- PRESSURE SENSORS**
- Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
- Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
- Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925

- Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405
Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
Tnelectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
Electronically scanned pressure sensor module with in SITU calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483
Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
Oscillating pressure device for dynamic calibration of pressure transducers
[NASA-CASE-LAR-13094-1] c 35 N85-29217
Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1-CU] c 35 N85-29219
- PRESSURE SUITS**
Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803
- PRESSURE SWITCHES**
Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392
- PRESSURE VESSELS**
Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 33 N84-29084
- PRESSURE WELDING**
Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- PRESSURIZING**
Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
- PRESTRESSING**
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- PRETREATMENT**
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- PRINTED CIRCUITS**
Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
Connector --- for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
- PRINTING**
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- PRINTOUTS**
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
- PRISMS**
Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- PROBABILITY THEORY**
System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- PROBES**
Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N85-20248
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- PROCESS CONTROL (INDUSTRY)**
Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
- PROCESSING**
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214
- PRODUCT DEVELOPMENT**
Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- PRODUCTION ENGINEERING**
Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105
Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906

- Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- PROJECTILES**
- Self-obturator, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- PROJECTION**
- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
- PROJECTIVE GEOMETRY**
- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
- PROJECTORS**
- Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
- System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- PROPAGATION MODES**
- Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676
- PROPAGATION VELOCITY**
- Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
- PROPARGYL GROUPS**
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- PROPELLANT ACTUATED INSTRUMENTS**
- Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097
- PROPELLANT ADDITIVES**
- Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- PROPELLANT BINDERS**
- Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- PROPELLANT CASTING**
- Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
- PROPELLANT CHEMISTRY**
- Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- PROPELLANT COMBUSTION**
- Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
- Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
- PROPELLANT DECOMPOSITION**
- Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- PROPELLANT GRAINS**
- Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
- PROPELLANT TANKS**
- Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
- Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
- Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
- Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
- Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
- Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
- Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
- Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787
- PROPELLANT TRANSFER**
- Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
- Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
- Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
- Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787
- PROPELLER BLADES**
- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
- PROPELLERS**
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- PROPORTIONAL CONTROL**
- Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
- PUSHPULSION SYSTEM CONFIGURATIONS**
- Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
- Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
- Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
- Annular slit collord thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- Apparatus for endoscopic examination --- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725
- Propulsion apparatus and method using boil-off gas from a cryogenic liquid --- controlling spacecraft attitude and drag
[NASA-CASE-MFS-25946-1] c 20 N84-15183
- Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 18 N84-20628
- PUSHPULSION SYSTEM PERFORMANCE**
- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- PROPYLENE**
- Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- PROSTHETIC DEVICES**
- Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
- Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- PROTECTION**
- Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- PROTECTIVE CLOTHING**
- Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
- Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599
- Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
- Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113
- PROTECTIVE COATINGS**
- Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
- Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
- Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
- Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
- Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
- Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
- Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
- Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037

Semiconductor surface protection material
 [NASA-CASE-ERC-10339-1] c 18 N73-30532
 Nonflammable coating compositions --- for use in high oxygen environments
 [NASA-CASE-MFS-20486-2] c 27 N74-17283
 Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
 [NASA-CASE-LEW-11179-1] c 27 N76-16229
 High temperature oxidation resistant cermet compositions
 [NASA-CASE-NPO-13666-1] c 27 N77-13217
 Leading edge protection for composite blades
 [NASA-CASE-LEW-12550-1] c 24 N77-19170
 Intumescent coatings containing 4,4'-dinitrosulfanilide
 [NASA-CASE-ARC-11042-1] c 24 N78-14096
 Sprayable low density ablator and application process
 [NASA-CASE-MFS-23506-1] c 24 N78-24290
 Reaction cured glass and glass coatings
 [NASA-CASE-ARC-11051-1] c 27 N78-32260
 Infusible silazane polymer and process for producing same --- protective coatings
 [NASA-CASE-XMF-02526-1] c 27 N79-21190
 Fire protection covering for small diameter missiles
 [NASA-CASE-ARC-11104-1] c 15 N79-26100
 Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
 [NASA-CASE-LEW-23169-2] c 26 N81-16209
 Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
 [NASA-CASE-LEW-13088-1] c 26 N81-25188
 Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
 [NASA-CASE-MSC-18382-1] c 27 N82-16238
 Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
 [NASA-CASE-LEW-13343-1] c 27 N82-28441
 Improved nickel base coating alloy --- oxidation resistant coatings
 [NASA-CASE-LEW-13834-1] c 26 N83-24639
 Curved film cooling admission tube
 [NASA-CASE-LEW-13174-1] c 34 N83-27144
 Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
 [NASA-CASE-LEW-13343] c 26 N83-31795
 Covering solid, film cooled surfaces with a duplex thermal barrier coating
 [NASA-CASE-LEW-13450-1] c 31 N83-35177
 Heat sealable, flame and abrasion resistant coated fabric
 [NASA-CASE-MSC-18382-2] c 27 N84-14324
 Method and apparatus for coating substrates using a laser
 [NASA-CASE-LEW-13526-1] c 36 N84-22944
 Coated flexible laminate and method of its production
 [NASA-CASE-GSC-12913-1] c 27 N84-24807
 Coating with overlay metallic-cermet alloy systems
 [NASA-CASE-LEW-13639-2] c 26 N84-27855
 Overlay metallic-cermet alloy coating systems
 [NASA-CASE-LEW-13639-1] c 26 N84-33555
 Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
 [NASA-CASE-LAR-13353-1] c 27 N85-20128
 Oxidation protection coatings for polymers
 [NASA-CASE-LEW-14072-1] c 27 N85-20129
 Corrosion resistant coating
 [NASA-CASE-NPO-15928-1] c 26 N85-29005
 Spray applicator for spraying coatings and other fluids in space
 [NASA-CASE-MSC-18852-1] c 37 N85-29283

PROTECTORS
 Load cell protection device Patent
 [NASA-CASE-XMS-06782] c 32 N71-15974
 Omnidirectional multiple impact landing system Patent
 [NASA-CASE-XLA-09881] c 31 N71-16085
 Protective telescoping shield for solar concentrator
 [NASA-CASE-NPO-16236-1] c 44 N84-25164

PROTEINS
 Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
 [NASA-CASE-GSC-10225-1] c 06 N73-27086

PROTOCOL (COMPUTERS)
 Multicomputer communication system
 [NASA-CASE-NPO-15433-1] c 32 N85-21428

PROTON FLUX DENSITY
 Flame detector operable in presence of proton radiation
 [NASA-CASE-MFS-21577-1] c 19 N74-29410

PROXIMITY
 Focal plane array optical proximity sensor
 [NASA-CASE-NPO-15155-1] c 74 N85-22139

PSEUDONOISE
 Rapid sync acquisition system Patent
 [NASA-CASE-NPO-10214] c 10 N71-26577

Pseudonoise sequence generators with three tap linear feedback shift registers
 [NASA-CASE-NPO-11406] c 08 N73-12175
 Two carrier communication system with single transmitter
 [NASA-CASE-NPO-11548] c 07 N73-26118
 Pseudo-noise test set for communication system evaluation --- test signals
 [NASA-CASE-MFS-22671-1] c 35 N75-21582
 Pseudonoise code tracking loop
 [NASA-CASE-MSC-18035-1] c 32 N81-15179

PULLEYS
 Tension measurement device Patent
 [NASA-CASE-XMS-04545] c 15 N71-22878
 Tensile strength testing device Patent
 [NASA-CASE-XNP-05634] c 15 N71-24834

PULMONARY CIRCULATION
 Resuscitation apparatus Patent
 [NASA-CASE-XMS-01115] c 05 N70-39922

PULMONARY FUNCTIONS
 Instrument for use in performing a controlled Valsalva maneuver Patent
 [NASA-CASE-XMS-01615] c 05 N70-41329

PULSE AMPLITUDE
 System for monitoring signal amplitude ranges
 [NASA-CASE-XMS-04061-1] c 09 N69-39885
 Analog to digital converter Patent
 [NASA-CASE-XLA-00670] c 08 N71-12501
 Pulse amplitude and width detector Patent
 [NASA-CASE-XMF-06519] c 09 N71-12519
 Analog-to-digital converter
 [NASA-CASE-XNP-00477] c 08 N73-28045
 Electro-mechanical sine/cosine generator
 [NASA-CASE-LAR-11389-1] c 33 N77-26387
 Speech analyzer
 [NASA-CASE-GSC-11898-1] c 32 N77-30309
 Power factor control system for ac induction motors
 [NASA-CASE-MFS-23988-1] c 33 N81-27395
 Video processor for air traffic control beacon system
 [NASA-CASE-KSC-11155-1] c 33 N84-15395

PULSE AMPLITUDE MODULATION
 Signal ratio system utilizing voltage controlled oscillators Patent
 [NASA-CASE-XMF-04367] c 09 N71-23545
 Pulse switching for high energy lasers
 [NASA-CASE-NPO-14556-1] c 33 N82-24418

PULSE CODE MODULATION
 Adaptive compression of communication signals Patent
 [NASA-CASE-XLA-03076] c 07 N71-11266
 Bi-polar phase detector and corrector for split phase PCM data signals Patent
 [NASA-CASE-XGS-01590] c 07 N71-12392
 System for recording and reproducing pulse code modulated data Patent
 [NASA-CASE-XGS-01021] c 08 N71-21042
 Frequency shift keying apparatus Patent
 [NASA-CASE-XGS-01537] c 07 N71-23405
 Data compression system
 [NASA-CASE-NPO-11243] c 07 N72-20154
 Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
 [NASA-CASE-NPO-11338] c 08 N72-25208
 Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
 [NASA-CASE-NPO-11302-1] c 07 N73-13149
 Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
 [NASA-CASE-NPO-11302-2] c 32 N74-10132
 Multifunction audio digitizer --- producing direct delta and pulse code modulation
 [NASA-CASE-MSC-13855-1] c 35 N74-17885
 Pulse code modulated signal synchronizer
 [NASA-CASE-MSC-12462-1] c 32 N74-20809
 Pulse code modulated signal synchronizer
 [NASA-CASE-MSC-12494-1] c 32 N74-20810
 Digital transmitter for data bus communications system
 [NASA-CASE-MSC-14558-1] c 32 N75-21486
 Compact bi-phase pulse coded modulation decoder
 [NASA-CASE-KSC-10834-1] c 33 N76-14371
 Low distortion receiver for bi-level baseband PCM waveforms
 [NASA-CASE-MSC-14557-1] c 32 N76-16249
 Differential pulse code modulation
 [NASA-CASE-MSC-12506-1] c 32 N77-12239
 Digital demodulator
 [NASA-CASE-LAR-12659-1] c 33 N82-26570
 A method and apparatus for operating on companded PCM voice data
 [NASA-CASE-KSC-11285-1] c 32 N85-29120

PULSE COMMUNICATION
 Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
 [NASA-CASE-XNP-00911] c 08 N70-41961
 Differential pulse code modulation
 [NASA-CASE-MSC-12506-1] c 32 N77-12239
 Memory-based frame synchronizer --- for digital communication systems
 [NASA-CASE-GSC-12430-1] c 60 N82-16747
 A method and apparatus for operating on companded PCM voice data
 [NASA-CASE-KSC-11285-1] c 32 N85-29120

PULSE DURATION
 Frequency to analog converter Patent
 [NASA-CASE-XNP-07040] c 08 N71-12500
 Pulse amplitude and width detector Patent
 [NASA-CASE-XMF-06519] c 09 N71-12519
 Variable pulse width multiplier Patent
 [NASA-CASE-XLA-02850] c 09 N71-20447
 Pulse width inverter Patent
 [NASA-CASE-MFS-10068] c 10 N71-25139
 Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
 [NASA-CASE-ARC-10137-1] c 09 N71-28468
 Pulse stretcher for narrow pulses
 [NASA-CASE-MSC-14130-1] c 33 N74-32711

PULSE DURATION MODULATION
 Pulse-width modulation multiplier Patent
 [NASA-CASE-XER-09213] c 07 N71-12390
 Variable duration pulse integrator Patent
 [NASA-CASE-XLA-01219] c 10 N71-23084
 Transistor servo system including a unique differential amplifier circuit Patent
 [NASA-CASE-XMF-05195] c 10 N71-24861
 Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
 [NASA-CASE-XGS-04224] c 10 N71-26418
 Monostable multivibrator with complementary NOR gates Patent
 [NASA-CASE-MSC-13492-1] c 10 N71-28860
 Load current sensor for a series pulse width modulated power supply
 [NASA-CASE-GSC-10656-1] c 09 N72-25249
 Buck/boost regulator
 [NASA-CASE-GSC-12360-1] c 33 N81-19392

PULSE FREQUENCY MODULATION
 Apparatus for measuring current flow Patent
 [NASA-CASE-XGS-02439] c 14 N71-19431
 Digitally controlled frequency synthesizer Patent
 [NASA-CASE-XGS-02317] c 09 N71-23525
 Noninterruptable digital counting system Patent
 [NASA-CASE-XNP-09759] c 08 N71-24891
 Frequency modulation demodulator threshold extension device Patent
 [NASA-CASE-MSC-12165-1] c 07 N71-33696
 Versatile LDV burst simulator
 [NASA-CASE-LAR-11859-1] c 35 N79-14349

PULSE GENERATORS
 High voltage pulse generator Patent
 [NASA-CASE-MSC-12178-1] c 09 N71-13518
 Flipflop interrogator and bi-polar current driver Patent
 [NASA-CASE-XGS-03058] c 10 N71-19547
 Pulse modulator providing fast rise and fall times Patent
 [NASA-CASE-XMS-04919] c 09 N71-23270
 Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
 [NASA-CASE-XGS-03632] c 09 N71-23311
 Resettable monostable pulse generator Patent
 [NASA-CASE-GSC-11139] c 09 N71-27016
 Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
 [NASA-CASE-XNP-00745] c 10 N71-28960
 Pulse coupling circuit
 [NASA-CASE-LEW-10433-1] c 09 N72-22197
 Method and apparatus for nondestructive testing --- using high frequency arc discharges
 [NASA-CASE-MFS-21233-1] c 38 N74-15395
 Random pulse generator
 [NASA-CASE-MSC-14131-1] c 33 N75-19515
 Active lamp pulse driver circuit --- optical pumping of laser media
 [NASA-CASE-GSC-12566-1] c 33 N83-34189
 Synchronization tracking in pulse position modulation receiver
 [NASA-CASE-NPO-16256-1] c 32 N84-32620

PULSE HEATING
 Instrumentation for sensing moisture content of material using a transient thermal pulse
 [NASA-CASE-NPO-15494-1] c 35 N82-25484

PULSE MODULATION

Synchronization tracking in pulse position modulation receiver
[NASA-CASE-NPO-16256-1] c 32 N84-32620

PULSE RATE

Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479
Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

PULSED LASERS

Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N71-26477
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

PULSED RADIATION

Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373

PULSES

High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119

PUMP SEALS

Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474

PUMPS

Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
Magnetocaloric pump --- for cryogenic fluids
[NASA-CASE-LEW-11672-1] c 37 N74-27904
Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1-CU] c 35 N85-29219
Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N85-29288

PUNCHED CARDS

File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

PUNCHES

Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811

PURGING

Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089

Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849

Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238

PURIFICATION

High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of the thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
Electromigrating process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105

PURITY

Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922

PUSH-PULL AMPLIFIERS

Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404

PYLONS

Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373

PYRIDINES

Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
Vinyl styrylpyridines and their copolymerization with bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341

PYROELECTRICITY

Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763

PYROGEN

Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275

PYROLYSIS

Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912

PYROLYTIC GRAPHITE

Multislit film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565

PYROLYTIC MATERIALS

Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623

PYROMETERS

Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

PYROTECHNICS

Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287

PYRRONES (TRADEMARK)

Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

Q

Q SWITCHED LASERS

Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509

Q VALUES

Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256

QUADRATIC PROGRAMMING

Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338

QUADRATURES

Automatic quadrature control and measuring system --- using optical coupling circuitry
[NASA-CASE-MFS-21660-1] c 35 N74-21017

QUALITATIVE ANALYSIS

Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
Analysis of volatile organic compounds --- trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285

QUALITY CONTROL

Ultrasonic angle beam standard reflector
[NASA-CASE-LAR-13153-1] c 71 N84-21274

QUANTITATIVE ANALYSIS

Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-NXP-02500] c 18 N71-27397

Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141

Analysis of volatile organic compounds --- trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
Electrophotochemical oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849

QUANTUM THEORY

III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

QUARTZ

Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633

QUARTZ LAMPS

High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066

QUINOXALINES

Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

R

RACKS (FRAMES)

Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N84-20808

RADAR ANTENNAS

- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
Variable beamwidth antenna --- with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- RADAR ATTENUATION**
FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- RADAR DATA**
Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342
- RADAR ECHOES**
Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342
- RADAR EQUIPMENT**
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- RADAR IMAGERY**
Method of locating persons in distress --- by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- RADAR MEASUREMENT**
Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- RADAR RANGE**
Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
- RADAR RECEIVERS**
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- RADAR RECEPTION**
Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
- RADAR REFLECTORS**
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Method of locating persons in distress --- by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267
- RADAR TARGETS**
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- RADAR TRACKING**
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- RADAR TRANSMITTERS**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- RADIAL DISTRIBUTION**
Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932

RADIAL FLOW

- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
- RADIANCE**
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N84-15960
- RADIANT COOLING**
Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
Radiative cooler --- spacecraft radiators
[NASA-CASE-NPO-15465-1] c 34 N84-22903
- RADIANT FLUX DENSITY**
High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- RADIANT HEATING**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- RADIATION**
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- RADIATION ABSORPTION**
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- RADIATION COUNTERS**
Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328
Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317
Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334

- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292
- RADIATION DAMAGE**
Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
Photomultiplier circuit including means for rapidly reducing the sensitivity thereof --- and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682
Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N85-20535
- RADIATION DETECTORS**
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MS-12280] c 27 N71-16348
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
Altitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317
Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
Wide angle sun sensor --- consisting of cylinder, insulation and pair of detectors
[NASA-CASE-NPO-13327-1] c 35 N75-23910
Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
Improved fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N85-30286
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N85-30779
- RADIATION DISTRIBUTION**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- RADIATION DOSAGE**
Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- RADIATION EFFECTS**
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
- RADIATION HARDENING**
Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- RADIATION HAZARDS**
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- RADIATION MEASUREMENT**
Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447

RADIATION MEASURING INSTRUMENTS

- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
- Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
- Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
- Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447
- Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
- Method and apparatus for measuring electromagnetic radiation
[NASA-CASE-LEW-11159-1] c 14 N73-28488
- Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
- Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

RADIATION MEDICINE

- Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383

RADIATION PROTECTION

- Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
- Photomultiplier circuit including means for rapidly reducing the sensitivity thereof --- and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682

RADIATION SHIELDING

- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- Sealed cabinetry Patent
[NASA-CASE-MS-12168-1] c 09 N71-18600
- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
- Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066

RADIATION SOURCES

- Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
- Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
- Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
- High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318

RADIATION SPECTRA

- Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041

RADIATION THERAPY

- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22675

RADIATION TOLERANCE

- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
- Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N85-20535

RADIATIVE HEAT TRANSFER

- Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
- Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
- Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
- Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220

RADIATORS

- Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHC-03673] c 33 N71-29046

RADIO ANTENNAS

- Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
- VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
- Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HON-00937] c 07 N71-28979
- Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365

RADIO ASTRONOMY

- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723

RADIO BEACONS

- RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
- Improved legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226

RADIO COMMUNICATION

- System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121

RADIO CONTROL

- RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202

RADIO EQUIPMENT

- System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

RADIO FREQUENCIES

- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
- Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
- Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
- Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569

RF-SOURCE RESISTANCE METERS

- [NASA-CASE-NPO-11291-1] c 14 N73-30388
- Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321

- Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492

- Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253

- Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

- Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

- High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454

- Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N85-20248
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121

RADIO FREQUENCY DISCHARGE

- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245

RADIO FREQUENCY HEATING

- Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952

RADIO FREQUENCY INTERFERENCE

- Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
- Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

RADIO FREQUENCY SHIELDING

- Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083

RADIO INTERFEROMETERS

- System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603

RADIO PROBING

- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

RADIO RECEIVERS

- Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
- Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
- Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

RADIO RELAY SYSTEMS

- Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
- Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265

RADIO SIGNALS

- Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723

RADIO SOURCES (ASTRONOMY)

- Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214

RADIO STARS

- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174

RADIO TELEMETRY

- Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001

RADIO TELESCOPES

- Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

RADIO TRANSMITTERS

- Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121

RADIO WAVES

- Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701

RADIOACTIVE ISOTOPES

- Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292

RADIOBIOLOGY

- Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681

RADIOGRAPHY

- Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
- Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MS-14276-1] c 52 N77-14737

- X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882
Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- RADIOLOGY**
Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- RADIOLYSIS**
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- RADIOMETERS**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
- RADIOSONDES**
Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- RAIN**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- RAMJET ENGINES**
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- RAMPS (STRUCTURES)**
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480
- RANDOM ACCESS MEMORY**
Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- RANDOM LOADS**
Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
- RANDOM NOISE**
Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
Digital servo control of random sound test excitation --- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
- RANGE (EXTREMES)**
Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- RANGE FINDERS**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- RANGEFINDING**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
- Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
Optical distance measuring instrument
[US-PATENT-APPL-SN-406820] c 74 N83-13982
- RARE EARTH COMPOUNDS**
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- RARE GASES**
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- RAREFIED GASES**
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
- RATES (PER TIME)**
Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- RC CIRCUITS**
Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- REACTION CONTROL**
Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
- REACTION KINETICS**
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
- REACTION TIME**
Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- REACTION WHEELS**
Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299
- REACTIVITY**
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
- REACTOR CORES**
Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228
- REACTOR DESIGN**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- REACTOR MATERIALS**
Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- REACTOR PHYSICS**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- READ-ONLY MEMORY DEVICES**
Nanosequencer digital logic controller
[NASA-CASE-NPO-16116-1] c 60 N84-25306
A method and apparatus for operating on compressed PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N85-29120
- READOUT**
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
- REAL TIME OPERATION**
Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Carbon monoxide monitor --- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950
Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- REBREATHING**
Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- RECEIVERS**
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1-CU] c 04 N84-12151
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- RECIPROCACTION**
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- RECONSTRUCTION**
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- RECORDING HEADS**
Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
- RECORDING INSTRUMENTS**
Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317

- Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
- Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
- Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
- Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
- RECOVERABILITY**
Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
- RECOVERABLE LAUNCH VEHICLES**
Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- RECOVERABLE SPACECRAFT**
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
- RECOVERY PARACHUTES**
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
- Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- RECTANGULAR PANELS**
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
- RECTIFIERS**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
- Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
- Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
- SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- RECTUM**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- REDOX CELLS**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
- Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- Negative electrode catalyst for the iron-chromium REDOX energy storage system
[NASA-CASE-LEW-14028-1] c 44 N84-32909
- REDUCED GRAVITY**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
- REDUCTION (CHEMISTRY)**
Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
- Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- Hydrodesulfurization of chlorinized coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- REDUNDANCY**
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
- REDUNDANT COMPONENTS**
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- REELS**
Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495
- Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N84-29085
- REENTRY COMMUNICATION**
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
- Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
- Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
- REENTRY SHIELDING**
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
- Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- REENTRY TRAJECTORIES**
Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- REENTRY VEHICLES**
Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
- Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
- Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
- Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- REFERENCE SYSTEMS**
Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- REFINING**
Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
- Improved silicon grinding method and apparatus
[NASA-CASE-NPO-16336-1-CU] c 31 N85-21407
- REFLECTANCE**
Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
- Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N85-20868
- Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044
- REFLECTED WAVES**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
- REFLECTING TELESCOPES**
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- REFLECTION**
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- REFLECTOMETERS**
Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- Visible and infrared polarizaton ratio spectrorreflectometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- REFLECTORS**
Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981
- Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
- Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-132620-1] c 44 N83-13579
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N84-26400
- REFRACTIVITY**
The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
- Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639
- REFRACTORY COATINGS**
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
- REFRACTORY MATERIALS**
High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
- Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
- High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
- High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302

- High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
- Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MS-C-18741-1] c 27 N82-29456
- Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-C-18737-1] c 24 N83-13171
- Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-C-18736-1] c 24 N83-13172
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MS-C-18832-1] c 27 N83-18908
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MS-C-18791-1] c 37 N83-36482
- REFRACTORY METALS**
- Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- REFRIGERATING**
- Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- REFRIGERATING MACHINERY**
- Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
- Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
- Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- REFRIGERATORS**
- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- Ten degree Kelvin hydride refrigerator
[NASA-CASE-NPO-16393-1-CU] c 31 N85-29084
- REGENERATION (ENGINEERING)**
- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- REGENERATION (PHYSIOLOGY)**
- Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
- REGENERATIVE COOLING**
- Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
- Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
- Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- REGENERATIVE FUEL CELLS**
- Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- GENERATORS**
- Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- REGISTERS (COMPUTERS)**
- Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
- Priority interrupt system --- comprised of four registers
[NASA-CASE-NPO-13067-1] c 60 N76-18800
- REINFORCED PLASTICS**
- Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
- Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- REINFORCEMENT (STRUCTURES)**
- Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
- REINFORCING FIBERS**
- Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
- Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
- Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
- Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
- Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
- RELAXATION OSCILLATORS**
- Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
- RELAY SATELLITES**
- Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
- Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- RELEASING**
- Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
- Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
- Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
- Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
- Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MS-C-20080-1] c 37 N85-30334
- RELIABILITY ANALYSIS**
- Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
- RELIABILITY ENGINEERING**
- Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
- Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453
- Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200
- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
- Reconfiguring redundancy management
[NASA-CASE-MS-C-18498-1] c 60 N82-29013
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
- RELIEF VALVES**
- Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
- Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- REMOTE CONTROL**
- Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
- Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
- Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929
- Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
- Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
- Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
- Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
- Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Cooperative multiaxis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
- Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457
- Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
- Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746
- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N85-29288

REMOTE HANDLING

- Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495
- Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
- Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
- Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731
- Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286

REMOTE MANIPULATOR SYSTEM

- Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
- Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N84-11501

REMOTE SENSING

- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

REMOTE SENSORS

- Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
- Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
- Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
- Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
- Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
- Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
- Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
- Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
- Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639

REMOTELY PILOTED VEHICLES

- Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076

REMOVAL

- Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

REPEATERS

- Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773

REPLACING

- Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182

RESCUE OPERATIONS

- Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
- Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
- Method of locating persons in distress --- by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267

RESEARCH AIRCRAFT

- Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295

RESEARCH AND DEVELOPMENT

- Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330

RESEARCH VEHICLES

- Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895

RESIDUAL STRESS

- Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
- Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MS-90153-2] c 05 N72-25120

RESILIENCE

- Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161

RESIN BONDING

- Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
- Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163

RESIN MATRIX COMPOSITES

- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033

RESINS

- Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
- Bonding or repairing process
[NASA-CASE-MS-12357] c 15 N73-12489
- Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
- Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033

RESISTANCE

- Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MS-90153-2] c 05 N72-25120
- Viable resistance constant tension and lubrication device --- using oil-saturated leather wiper
[NASA-CASE-KSC-10723-1] c 37 N75-13265
- Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933

RESISTANCE HEATING

- Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XSC-01783] c 28 N70-34175
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373

RESISTORS

- High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
- Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- Measurement amplifier
[NASA-CASE-MFS-25868-1] c 33 N84-32680

RESOLUTION

- Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- Spectroscopy equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

RESOLVERS

- Differential phase shift keyed signal resolver
[NASA-CASE-MS-14066-1] c 33 N74-27705
- Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
- Angular measurement system
[NASA-CASE-MFS-25825-1] c 35 N85-20298

RESONANCE

- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N85-20248
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305

RESONANT FREQUENCIES

- Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-ERC-02807] c 09 N71-23021
- Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
- Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
- CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
- Microbalance --- for measuring particle mass
[NASA-CASE-MS-11242] c 35 N78-17358
- Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Vibrating-chamber levitation systems
[NASA-CASE-LAR-106142-1] c 71 N84-16948
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
- Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933

RESONANT VIBRATION

- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

RESONATORS

- High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195

RESPIRATION

- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202

RESPIRATORS

- Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329

RESPIRATORY RATE

- Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Respiratory analysis system and method
[NASA-CASE-MS-13436-1] c 05 N73-32015
- Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728

RESPIROMETERS

- Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728

RESPONSES

- Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176

RESTARTABLE ROCKET ENGINES

- Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
- Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992

RESUSCITATION

- Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

RETAINING

- Floating nut retention system
[NASA-CASE-MS-16938-1] c 37 N80-23653
- Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

RETARDERS (DEVICES)

- Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

RETARDING

- Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

RETICLES

- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
Star scanner --- with a reticle with a pair of slits having differing separation
[NASA-CASE-GSC-11569-1] c 89 N74-30886

RETINAL IMAGES

- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117

RETORT PROCESSING

- Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912

RETRACTABLE EQUIPMENT

- Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
CAM controlled retractable door latch
[NASA-CASE-MS-20304-1] c 37 N82-31690
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

RETROFIRING

- Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812

RETROREFLECTION

- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510

RETROREFLECTORS

- Interferometer --- high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681

RETROCKET ENGINES

- Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645

REUSABLE HEAT SHIELDING

- High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448

REUSABLE SPACECRAFT

- Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
Space shuttle vehicle and system
[NASA-CASE-MS-12433] c 31 N73-14854
Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 18 N84-20628

REUSE

- Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Reusable captive blind fastener
[NASA-CASE-MS-18742-1] c 37 N82-26673

REVERSE OSMOSIS

- Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361

REVERSED FLOW

- Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059

REYNOLDS NUMBER

- Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183

REYNOLDS STRESS

- System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517

RHENIUM

- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

RHEOLOGY

- Melt-flow-toughness modified polyimide
[NASA-CASE-LAR-13135-1] c 27 N84-34616

RHEOMETERS

- Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357

RHOMBOIDS

- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

RIBBONS

- Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934

RIBOFLAVIN

- Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149

RIBS (SUPPORTS)

- Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981

RICE

- Modification of the physical properties of freeze-dried rice
[NASA-CASE-MS-13540-1] c 05 N72-33096

RIDING QUALITY

- Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445

RIGID ROTORS

- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029

RIGID STRUCTURES

- Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324

RIGID WINGS

- Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863

RIMS

- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

RING CURRENTS

- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463

RING STRUCTURES

- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139

- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N85-21987

RING WINGS

- Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315

RIPPLES

- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

RIVETS

- Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960

ROCKET ENGINE CASES

- Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143

ROCKET ENGINE CONTROL

- Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124

ROCKET ENGINE DESIGN

- Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275

ROCKET ENGINES

- Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760

- Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
- Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
- Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
- General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
- Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MRS-25791-1] c 09 N84-27749
- Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
- ROCKET EXHAUST**
- Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
- Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
- Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- ROCKET FIRING**
- Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
- ROCKET FLIGHT**
- Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
- ROCKET LAUNCHING**
- Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
- Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
- ROCKET LININGS**
- Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- ROCKET NOZZLES**
- Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
- Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
- Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
- Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
- Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
- Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- Multislit film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
- Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
- Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
- Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
- Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
- Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
- ROCKET OXIDIZERS**
- Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
- ROCKET PROPELLANTS**
- Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
- Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
- ROCKET TEST FACILITIES**
- High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
- Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094
- ROCKET THRUST**
- Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
- Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
- Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382
- ROCKET VEHICLES**
- Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
- Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
- Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
- Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
- Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
- High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- ROCKET-BORNE INSTRUMENTS**
- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- ROCKETS**
- Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173
- ROCKS**
- Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
- Rock sampling --- apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068
- Rock sampling --- method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069
- Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- RODS**
- Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- ROLL**
- Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
- ROLLER BEARINGS**
- Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
- Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
- Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
- Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
- Bearing material --- composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309
- ROLLERS**
- Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
- Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
- Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- ROLLING CONTACT LOADS**
- Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
- ROLLING MOMENTS**
- Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
- ROOM TEMPERATURE**
- Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
- ROTARY STABILITY**
- Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
- Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
- Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
- Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
- Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
- Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
- ROTARY WING AIRCRAFT**
- Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- ROTARY WINGS**
- Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
- Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
- Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- ROTATING BODIES**
- Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
- Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
- Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
- Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
- ROTATING CYLINDERS**
- Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N85-29290
- ROTATING DISKS**
- Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N84-25015
- ROTATING ELECTRICAL MACHINES**
- Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
- Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
- ROTATING ENVIRONMENTS**
- Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
- ROTATING GENERATORS**
- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
- Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
- Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096
- ROTATING MIRRORS**
- Retrodective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304

ROTATING SHAFTS

Foil seal Patent
 [NASA-CASE-XLE-05130-2] c 15 N71-19570
 Anemometer with braking mechanism Patent
 [NASA-CASE-XMF-05224] c 14 N71-23726
 Detenting servomotor Patent
 [NASA-CASE-XNP-06936] c 15 N71-24695
 Rotating shaft seal Patent
 [NASA-CASE-XNP-02862-1] c 15 N71-26294
 Two component bearing Patent
 [NASA-CASE-XLA-00013] c 15 N71-29136
 Hall effect transducer
 [NASA-CASE-LAR-10620-1] c 09 N72-25255
 Spiral groove seal --- for rotating shaft
 [NASA-CASE-XLE-10326-4] c 37 N74-15125
 Digital servo controller --- for rotating antenna shaft
 [NASA-CASE-KSC-10769-1] c 33 N74-29556
 Solid medium thermal engine
 [NASA-CASE-ARC-10461-1] c 44 N74-33379
 Ergometer calibrator --- for any ergometer utilizing rotating shaft
 [NASA-CASE-MFS-21045-1] c 35 N75-15932
 Fluid seal for rotating shafts
 [NASA-CASE-LEW-11676-1] c 37 N76-22541
 Cyclical bi-directional rotary actuator
 [NASA-CASE-GSC-11883-1] c 37 N77-19458
 Tachometer
 [NASA-CASE-MFS-23175-1] c 35 N77-30436
 Rotary leveling base platform
 [NASA-CASE-ARC-10981-1] c 37 N78-27425
 Rotary electric device
 [NASA-CASE-GSC-12138-1] c 33 N79-20314
 Circumferential shaft seal
 [NASA-CASE-LEW-12119-1] c 37 N80-28711
 Multiple plate hydrostatic viscous damper
 [NASA-CASE-LEW-12445-1] c 37 N81-22360
 Clutchless multiple drive source for output shaft
 [NASA-CASE-ARC-11325-1] c 37 N82-22496
 Rotary stepping device with memory metal actuator
 [NASA-CASE-NPO-15482-1] c 37 N83-36484
 Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
 [NASA-CASE-MFS-25678-1] c 37 N84-11497
 Vertical shaft windmill
 [NASA-CASE-LAR-12923-1] c 37 N84-12493
 Directional gear ratio transmissions
 [NASA-CASE-LAR-12644-1] c 37 N84-28084
 Variable force, eddy-current or magnetic damper
 [NASA-CASE-LEW-13717-1] c 37 N85-30333

ROTATION
 Semi-linear ball bearing Patent
 [NASA-CASE-XLA-02809] c 15 N71-22982
 Mechanical actuator Patent
 [NASA-CASE-XGS-04548] c 15 N71-24045
 Positioning mechanism
 [NASA-CASE-NPO-10679] c 15 N72-21462
 Spray coating apparatus having a rotatable workpiece holder
 [NASA-CASE-ARC-11110-1] c 37 N82-24492
 System for controlled acoustic rotation of objects
 [NASA-CASE-NPO-15522-1] c 71 N83-32516
 Acoustic rotation control
 [NASA-CASE-NPO-15689-1] c 71 N84-23233

ROTOR AERODYNAMICS
 Acoustically swept rotor --- helicopter noise reduction
 [NASA-CASE-ARC-11106-1] c 05 N80-14107

ROTOR BLADES
 Non-destructive method for applying and removing instrumentation on helicopter rotor blades
 [NASA-CASE-LAR-11201-1] c 35 N78-24515
 Apparatus and method for reducing thermal stress in a turbine rotor
 [NASA-CASE-LEW-12232-1] c 07 N79-10057

ROTOR BLADES (TURBOMACHINERY)
 Locking device for turbine rotor blades Patent
 [NASA-CASE-XNP-00816] c 28 N71-28928
 Turbo-machine blade vibration damper Patent
 [NASA-CASE-XLE-00155] c 28 N71-29154
 Apparatus for welding blades to rotors
 [NASA-CASE-LEW-10533-2] c 37 N74-11300
 Supersonic fan blading --- noise reduction in turbofan engines
 [NASA-CASE-LEW-11402-1] c 07 N74-28226
 Blade retainer assembly
 [NASA-CASE-LEW-12608-1] c 07 N77-27116
 Platform for a swing root turbomachinery blade
 [NASA-CASE-LEW-12312-1] c 07 N77-32148
 Tip cap for a rotor blade
 [NASA-CASE-LEW-13654-1] c 07 N84-22560
 Shapes for rotating airfoils
 [NASA-CASE-LAR-12396-1] c 02 N84-28732

ROTOR LIFT
 Constant lift rotor for a heavier than air craft
 [NASA-CASE-ARC-11045-1] c 05 N79-17847

ROTOR SPEED

Brushless direct current tachometer Patent
 [NASA-CASE-MFS-20385] c 09 N71-24904

ROTORCRAFT AIRCRAFT
 Constant lift rotor for a heavier than air craft
 [NASA-CASE-ARC-11045-1] c 05 N79-17847

ROTORS
 Multistage multiple-reentry turbine Patent
 [NASA-CASE-XLE-00085] c 28 N70-39895
 Angular position and velocity sensing apparatus Patent
 [NASA-CASE-XGS-05680] c 14 N71-17585
 Indexing microwave switch Patent
 [NASA-CASE-XNP-06507] c 09 N71-23548
 Detenting servomotor Patent
 [NASA-CASE-XNP-06936] c 15 N71-24695
 Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
 [NASA-CASE-NPO-11418-1] c 14 N73-13420
 Welding blades to rotors
 [NASA-CASE-LEW-10533-1] c 15 N73-28515
 Magnetic field control --- electromechanical torquing device
 [NASA-CASE-MFS-23828-1] c 33 N82-26569
 Damping seal for turbomachinery
 [NASA-CASE-MFS-25842-2] c 37 N85-30341

RUBBER
 Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
 [NASA-CASE-NPO-08835-1] c 27 N78-33228
 Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
 [NASA-CASE-LEW-12358-1] c 44 N79-17313
 Enhancement of in vitro guayule propagation
 [NASA-CASE-NPO-15213-1] c 51 N83-17045

RUBBER COATINGS
 Intumescent paint containing nitrite rubber
 [NASA-CASE-ARC-10196-1] c 18 N73-13562

RUBY
 Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
 [NASA-CASE-GSC-11577-1] c 37 N75-15992
 Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
 [NASA-CASE-GSC-11577-3] c 24 N79-25143

RUBY LASERS
 Laser coolant and ultraviolet filter
 [NASA-CASE-MFS-20180] c 16 N72-12440

RUNWAY ALIGNMENT
 Magnetic position detection method and apparatus
 [NASA-CASE-ARC-10179-1] c 21 N72-22619

RUNWAY CONDITIONS
 Warm fog dissipation using large volume water sprays
 [NASA-CASE-MFS-25962-1] c 09 N84-32398

RUNWAY LIGHTS
 Runway light Patent
 [NASA-CASE-XLA-00119] c 11 N70-33329
 Spectrally balanced chromatic landing approach lighting system
 [NASA-CASE-ARC-10990-1] c 04 N82-16059

RUNWAYS
 Warm fog dissipation using large volume water sprays
 [NASA-CASE-MFS-25962-1] c 09 N84-32398

RUPTURING
 Means for controlling rupture of shock tube diaphragms Patent
 [NASA-CASE-XAC-00731] c 11 N71-15960

Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
 [NASA-CASE-LAR-10753-1] c 08 N74-30421
 Shoulder harness and lap belt restraint system
 [NASA-CASE-ARC-10519-2] c 05 N75-25915
 Fifth wheel
 [NASA-CASE-FRC-10081-1] c 37 N77-14477
 Microwave power transmission beam safety system
 [NASA-CASE-NPO-14224-1] c 33 N80-18287
 Safety shield for vacuum/pressure chamber viewing port
 [NASA-CASE-GSC-12513-1] c 31 N81-19343
 Variable response load limiting device --- for aircraft seats
 [NASA-CASE-LAR-12801-1] c 37 N82-20544

SAFETY FACTORS
 Safety flywheel --- using flexible materials energy storage
 [NASA-CASE-HON-10888-1] c 44 N79-14527
 Device and method for frictionally testing materials for ignitability
 [NASA-CASE-MSC-20622-1] c 14 N84-22596

SAHA EQUATIONS
 Cosmic dust analyzer
 [NASA-CASE-MSC-13802-2] c 35 N76-15431

SALT BATHS
 Process for applying a protective coating for salt bath brazing Patent
 [NASA-CASE-XLE-00046] c 15 N70-33311

SAMARIUM
 Gd or Sm doped silicon semiconductor composition Patent
 [NASA-CASE-XLE-10715] c 26 N71-23292

SAMPLERS
 Vacuum probe surface sampler
 [NASA-CASE-LAR-10623-1] c 14 N73-30395
 Automated syringe sampler --- remote sampling of air and water
 [NASA-CASE-LAR-12308-1] c 35 N81-29407
 Optical multiple sample vacuum integrating sphere
 [NASA-CASE-GSC-12849-1] c 74 N84-15960

SAMPLES
 Plural output optometric sample cell and analysis system
 [NASA-CASE-NPO-10233-1] c 74 N78-33913
 Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
 [NASA-CASE-NPO-15220-1] c 45 N83-25217

SAMPLING
 Sample collecting impact bit Patent
 [NASA-CASE-XNP-01412] c 15 N70-42034
 Fluid sample collector Patent
 [NASA-CASE-XMS-06767-1] c 14 N71-20435
 Atmospheric sampling devices
 [NASA-CASE-NPO-11373] c 13 N72-25323
 Digital to analog conversion apparatus
 [NASA-CASE-MSC-12458-1] c 08 N73-32081
 Rock sampling --- apparatus for controlling particle size
 [NASA-CASE-XNP-10007-1] c 46 N74-23068
 Rock sampling --- method for controlling particle size distribution
 [NASA-CASE-XNP-09755] c 46 N74-23069
 Apparatus for microbiological sampling --- including automatic swabbing
 [NASA-CASE-LAR-11069-1] c 35 N75-12272
 Automatic biowaste sampling
 [NASA-CASE-MSC-14640-1] c 54 N76-14804
 Remote water monitoring system
 [NASA-CASE-LAR-11973-1] c 35 N78-27384
 CCD correlated quadruple sampling processor
 [NASA-CASE-NPO-14426-1] c 33 N79-17134
 Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
 [NASA-CASE-MSC-16841-1] c 34 N79-24285
 Method for detecting coliform organisms
 [NASA-CASE-ARC-11322-1] c 51 N83-28849
 Moisture content and gas sampling device
 [NASA-CASE-MSC-18866-1] c 35 N85-29213

SANDWICH STRUCTURES
 Sandwich panel construction Patent
 [NASA-CASE-XLA-00349] c 33 N70-37979
 Micrometeoroid velocity measuring device Patent
 [NASA-CASE-XLA-00495] c 14 N70-41332
 Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
 [NASA-CASE-XLE-01246] c 14 N71-10797
 Method of making inflatable honeycomb Patent
 [NASA-CASE-XLA-03492] c 15 N71-22713
 Convoluting device for forming convolutions and the like Patent
 [NASA-CASE-XNP-05297] c 15 N71-23811
 Composite sandwich lattice structure
 [NASA-CASE-LAR-11898-1] c 24 N78-10214

S

SABOT PROJECTILES

Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
 [NASA-CASE-XLE-03186-1] c 09 N79-21084

SAFETY

Phosphorus-containing imide resins
 [NASA-CASE-ARC-11368-3] c 27 N84-22745

SAFETY DEVICES

Pressure suit tie-down mechanism Patent
 [NASA-CASE-XMS-00784] c 05 N71-12335
 Positive locking check valve Patent
 [NASA-CASE-XMS-09310] c 15 N71-22706
 Protective device for machine and metalworking tools Patent
 [NASA-CASE-XLE-01092] c 15 N71-22797
 Velocity limiting safety system Patent
 [NASA-CASE-XLA-07473] c 15 N71-24895
 Combustion products generating and metering device
 [NASA-CASE-GSC-11095-1] c 14 N72-10375
 Restraint torso for a pressurized suit
 [NASA-CASE-MSC-12397-1] c 05 N72-25119
 Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
 [NASA-CASE-LAR-10941-1] c 37 N74-21057

- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
- SAPPHIRE**
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- SATELLITE ANTENNAS**
Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase
Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite
Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
- Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- SATELLITE ATTITUDE CONTROL**
Photosensitive device to detect bearing deviation
Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
- Attitude control for spacecraft
Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
- Satellite despun device
Patent
[NASA-CASE-XMF-08523] c 31 N71-20396
- Attitude control and damping system for spacecraft
Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- Gravity gradient attitude control system
Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
- Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
- Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
- Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426
- Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- SATELLITE CONTROL**
Stabilization of gravity oriented satellites
Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- SATELLITE DESIGN**
Inflation system for balloon type satellites
Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- SATELLITE INSTRUMENTS**
Reaction wheel scanner
Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- SATELLITE NETWORKS**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- SATELLITE OBSERVATION**
Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- SATELLITE ORBITS**
Apparatus for changing the orientation and velocity of a spinning body traversing a path
Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- SATELLITE ORIENTATION**
Method and apparatus for determining satellite orientation utilizing spatial energy sources
Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
- Cartwheel satellite synchronization system
Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
- Apparatus for changing the orientation and velocity of a spinning body traversing a path
Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- SATELLITE PERTURBATION**
Method and means for damping nutation in a satellite
Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- SATELLITE POWER TRANSMISSION (TO EARTH)**
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- SATELLITE ROTATION**
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- Stretch de-spin mechanism
Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- Apparatus for changing the orientation and velocity of a spinning body traversing a path
Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 15 N85-11122
- SATELLITE TELEVISION**
Adaptive system and method for signal generation
Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- SATELLITE TRACKING**
Tracking receiver
Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
- SATELLITE TRANSMISSION**
Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195
- SATELLITE-BORNE INSTRUMENTS**
Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- SATELLITE-BORNE PHOTOGRAPHY**
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- SATURABLE REACTORS**
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- SATURATION**
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- SAWS**
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- SAWTOOTH WAVEFORMS**
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback
Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- SCANNERS**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- Method and means for an improved electron beam scanning system
Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
- Reaction wheel scanner
Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- Electronic scanning of 2-channel monopulse patterns
Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
- Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
- Electronically scanned pressure sensor module with in SITU calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
- Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- Integrated optics in an electronically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
- Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
- Two-dimensional scanner apparatus --- flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- SCANNING**
Television signal scan rate conversion system
Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Method of erasing target material of a vidicon tube or the like
Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
- Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
- Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- SCATTERING CROSS SECTIONS**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- SCENE ANALYSIS**
Simulator scene display evaluation
[NASA-CASE-ARC-11504-1] c 09 N84-16221
- SCHLIEREN PHOTOGRAPHY**
System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- SCHMIDT CAMERAS**
Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- SCHMIDT TELESCOPES**
Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
- SCHOOLS**
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- SCHOTTKY DIODES**
High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
- Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
- Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
- Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- GaAs Schottky barrier photo-responsive device and method of fabrication --- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- SCOOBS**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- SCORING**
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- SCRAMBLING (COMMUNICATION)**
Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- SCREWS**
Electromechanical control actuator system
Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
- Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289
- SCRUBBERS**
High pressure gas filter system
Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1] c 31 N85-20154
- SEA ICE**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520

SEA STATES

Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

SEA SURFACE TEMPERATURE
Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723

SEALERS
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

SEALING
Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633

SEALS (STOPPERS)
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570
Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
Spiral groove seal --- for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
High speed, self-acting shaft seal --- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MS-18134-1] c 37 N81-15363
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MS-18422-1] c 37 N82-16408

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N85-20377
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N85-30341
Oxidizing seal for a turbine tip gas path
[NASA-CASE-LEW-14053-1] c 37 N85-34402

SEAMS (JOINTS)
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301

SEAT BELTS
Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915

SEATS
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394

SECONDARY EMISSION
Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156

SECTORS
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921

SECURITY
Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
Random digital encryption secure communication system
[NASA-CASE-MS-16462-1] c 32 N82-31583
Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272

SEGMENTS
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597

SEISMIC WAVES
Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555

SEISMOGRAPHS
Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272

SELECTORS
Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

SELF ALIGNMENT
Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
Electrical self-aligning connector --- orbital servicer vehicles
[NASA-CASE-MFS-25211-2] c 33 N84-14423

SELF ERECTING DEVICES
Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296

Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
Foldable self-erecting joint --- space erectable structures
[NASA-CASE-MS-20635-1] c 18 N84-32424

SELF FOCUSING
Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355

SELF LUBRICATING MATERIALS
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482

SELF LUBRICATION
Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916

SELF MANEUVERING UNITS
Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

SELF PROPAGATION
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291

SELF SEALING
Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442

SEMICONDUCTOR DEVICES
Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Method of forming thin window doped silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469

- Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- Semiconductor projectile impact detector
[NASA-CASE-MFS-23009-1] c 35 N78-18390
- Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251
- Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492
- Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
- SEMICONDUCTOR JUNCTIONS**
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
- JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- SEMICONDUCTORS (MATERIALS)**
- Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
- System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-C-12259-1] c 07 N70-12616
- High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042
- Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
- Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
- Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
- Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- Vapor deposition apparatus --- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192
- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- Method of making macrocrystalline or single crystal semiconductor material and products produced thereby --- epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993
- Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
- Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
- Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- SENSITIVITY**
- Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
- SENSITOMETRY**
- Condition sensor system and method
[NASA-CASE-MS-C-14805-1] c 54 N78-32720
- SENSORS**
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MS-C-14180-1] c 52 N76-14757
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- SENSORY PERCEPTION**
- Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- SEPARATED FLOW**
- Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
- Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- SEPARATORS**
- Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
- Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
- Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
- Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
- Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
- Low gravity phase separator
[NASA-CASE-MS-C-14773-1] c 35 N78-12390
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 33 N84-29084
- Improved silicon grinding method and apparatus
[NASA-CASE-NPO-16336-1-CU] c 31 N85-21407
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- SEQUENCING**
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
- MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
- Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
- Mechanical sequencer
[NASA-CASE-MS-C-19536-1] c 37 N77-22482
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- SEQUENTIAL ANALYSIS**
- Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
- Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144
- SEQUENTIAL COMPUTERS**
- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- SEQUENTIAL CONTROL**
- Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
- Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
- Sequencing device utilizing planetary gear set
[NASA-CASE-MS-C-19514-1] c 37 N79-20377
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- Nanosequencer digital logic controller
[NASA-CASE-NPO-16116-1] c 60 N84-25306
- SERUMS**
- Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- SERVICE LIFE**
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
- Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- SERVOAMPLIFIERS**
- Pneumatic amplifier Patent
[NASA-CASE-MS-C-12121-1] c 15 N71-27147
- SERVOCONTROL**
- Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
- Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
- Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- Digital servo controller --- for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556
- Digital servo control of random sound test excitation --- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
- Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139

- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Memory metal actuator --- for use in electromechanical servocontrol systems
[NASA-CASE-NPO-15960-1] c 37 N83-36485
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
- SERVOMECHANISMS**
- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
- Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
- A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
- Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
- Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- SERVOMOTORS**
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
- SEWAGE TREATMENT**
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
- SHAFTS (MACHINE ELEMENTS)**
- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
- Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
- Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
- Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
- High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
- Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- Twinn-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- Portable 90 deg proof loading device
[NASA-CASE-NPO-20250-1] c 37 N83-29707
- Angular measurement system
[NASA-CASE-MFS-25825-1] c 35 N85-20298
- Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N85-29290
- SHALE OIL**
- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912
- SHALES**
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912
- SHAPE MEMORY ALLOYS**
- Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- Memory metal actuator --- for use in electromechanical servocontrol systems
[NASA-CASE-NPO-15960-1] c 37 N83-36485
- SHAPED CHARGES**
- Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
- Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
- SHAPERS**
- Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
- Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
- Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
- SHARKS**
- Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09989-1] c 18 N71-15545
- SHARPNESS**
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- SHEAR CREEP**
- Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
- SHEAR FLOW**
- Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- SHEAR PROPERTIES**
- Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
- SHEAR STRESS**
- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
- Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- SHEARING**
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- SHELL ANODES**
- Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
- SHELLS (STRUCTURAL FORMS)**
- Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
- SHIELDING**
- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
- System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- SHIFT REGISTERS**
- Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
- Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
- Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
- Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167
- MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
- Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
- A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
- Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
- Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373
- Selective data segment monitoring system --- using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- SHOCK ABSORBERS**
- Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
- Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
- Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
- Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
- Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
- Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
- Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
- Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
- Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450
- Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443
- Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544
- SHOCK LOADS**
- Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612
- SHOCK MEASURING INSTRUMENTS**
- Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390
- SHOCK RESISTANCE**
- Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
- Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Improved impact tolerant material
[NASA-CASE-LAR-12887-1] c 24 N84-20649

- Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
- SHOCK TUBES**
Means for controlling rupture of shock tube diaphragms
Patent
[NASA-CASE-XAC-00731] c 11 N71-15960
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- SHOCK WAVE INTERACTION**
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
- SHOCK WAVE LUMINESCENCE**
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
- SHOCK WAVE PROFILES**
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975
- SHOCK WAVES**
Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
- SHOES**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
- SHORT CIRCUITS**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Node thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- SHOT PEENING**
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
- SHOULDERS**
Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11543-1] c 54 N85-21986
- SHROUDED NOZZLES**
Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
- SHROUDED TURBINES**
Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- SHROUDS**
Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
- SHUTTERS**
High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300
- SHUTTLE DERIVED VEHICLES**
Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787
- SIDE INLETS**
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- SIDEBANDS**
Phase-locked loop with sideband rejecting properties
Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
- SIDELobe REDUCTION**
Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 33 N84-15395
- SIGNAL ANALYSIS**
Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 33 N84-15395
- SIGNAL ANALYZERS**
System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240
Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309
- SIGNAL DETECTION**
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
- SIGNAL DETECTORS**
Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
Tnac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- SIGNAL DISTORTION**
Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
- SIGNAL ENCODING**
Adaptive compression of communication signals
Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- SIGNAL GENERATORS**
Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150
Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
Digital servo control of random sound test excitation --- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
- SIGNAL MIXING**
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- SIGNAL PROCESSING**
Adaptive compression of communication signals
Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476

Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174

Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669

Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622

Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742

Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804

Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806

Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865

Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866

Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142

Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138

Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139

Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172

Contourograph system for monitoring electrocardiograms
[NASA-CASE-MS-C-13407-1] c 10 N72-20225

Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119

Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173

Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172

Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187

Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121

Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386

Digital to analog conversion apparatus
[NASA-CASE-MS-C-12458-1] c 08 N73-32081

Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050

Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096

Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625

Apparatus and method for processing Korotkov sounds --- for blood pressure measurement
[NASA-CASE-MS-C-13999-1] c 52 N74-26626

Pulse stretcher for narrow pulses
[NASA-CASE-MS-C-14130-1] c 33 N74-32711

Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539

Signal conditioning circuit apparatus --- with constant input impedance
[NASA-CASE-ARC-10348-1] c 33 N75-19518

Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485

Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429

Compact-bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371

Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366

System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517

Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386

Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131

Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731

Hearing aid malfunction detection system
[NASA-CASE-MS-C-14916-1] c 33 N78-10375

Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319

Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338

Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MS-C-12743-1] c 32 N79-10263

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195

Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073

Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578

System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342

Reconfiguring redundancy management
[NASA-CASE-MS-C-18498-1] c 60 N82-29013

Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577

Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559

Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MS-C-20258-1] c 60 N84-28492

Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651

Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MS-C-20187-1] c 33 N85-20249

SIGNAL RECEPTION

Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911

Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267

Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841

Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852

Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098

Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741

Antenna array phase quadrature tracking system Patent
[NASA-CASE-MS-C-12205-1] c 07 N71-27056

Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680

Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171

Ferrofluidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185

Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995

Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MS-C-16170-2] c 32 N84-27952

SIGNAL REFLECTION

Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267

Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321

SIGNAL STABILIZATION

Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962

Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138

System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982

Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029

SIGNAL TO NOISE RATIOS

System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-C-12259-1] c 07 N70-12616

Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911

Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791

Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545

Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119

Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258

System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MS-C-12259-2] c 07 N72-33146

Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241

Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788

SIGNAL TRANSMISSION

Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974

Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182

Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298

Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791

Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814

Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986

Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311

Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461

Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115

Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194

Pulse code modulated signal synchronizer
[NASA-CASE-MS-C-12462-1] c 32 N74-20809

Pulse code modulated signal synchronizer
[NASA-CASE-MS-C-12494-1] c 32 N74-20810

Digital transmitter for data bus communications system
[NASA-CASE-MS-C-14558-1] c 32 N75-21486

Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411

Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889

Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

Digital numerically controlled oscillator
[NASA-CASE-MS-C-16747-1] c 33 N81-17349

High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191

Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546

Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MS-C-18675-1] c 32 N84-22820

SIGNATURE ANALYSIS

Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288

SILANES

- Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
- Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
- Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- Thermal protection system
[NASA-CASE-MS-C-18796-1] c 24 N82-26389
- Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- Process for producing tris(n-methylamino)methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280

SILICA GEL

- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606

SILICA GLASS

- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455

SILICATES

- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

SILICIDES

- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229

SILICON

- Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Improved silicon grinding method and apparatus
[NASA-CASE-NPO-16336-1-CU] c 31 N85-21407
- Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- SILICON CARBIDES**
- A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
- Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
- Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MS-C-18832-1] c 27 N83-18908
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- SILICON COMPOUNDS**
- Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
- Polymerizable disilanol having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
- Infusible silazane polymer and process for producing same --- protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- Silicon-slurry/aluminate coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- SILICON CONTROLLED RECTIFIERS**
- Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
- Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- SILICON DIOXIDE**
- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
- Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
- Two-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-1] c 27 N76-22377
- Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
- Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MS-C-18741-1] c 27 N82-29456
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- SILICON FILMS**
- A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- SILICON JUNCTIONS**
- Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
- SILICON NITRIDES**
- Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
- Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- SILICON OXIDES**
- Three-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-2] c 27 N76-23426

SILICON POLYMERS

- Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052

SILICON RADIATION DETECTORS

- Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
- Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765

SILICON TRANSISTORS

- Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
- Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457

SILICONE RESINS

- Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575

SILICONES

- Silicones containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
- Coated flexible laminate and method of its production
[NASA-CASE-GSC-12913-1] c 27 N84-24807
- Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532

SILICONIZING

- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075

SILOXANES

- Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
- Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
- Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
- Thermal protection system
[NASA-CASE-MS-C-18796-1] c 24 N82-26389

SILVER

- Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121

SILVER ALLOYS

- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126

SILVER CHLORIDES

- Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
- Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

SILVER COMPOUNDS

- Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MS-C-10960-1] c 03 N71-24718

SILVER ZINC BATTERIES

- Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
- Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422

SIMULATION

- Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MS-C-20202-1] c 54 N84-16803

SIMULATORS

- Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223
- Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- Laser Doppler velocity simulator --- to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321

SIMULTANEOUS EQUATIONS

- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493

SINE SERIES

- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
- Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253

SINE WAVES

- Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365

- Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
- SINGLE CRYSTALS**
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
Method of making macrocrystalline or single crystal semiconductor material and products produced thereby --- epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993
Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- SINTERING**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- SIZE (DIMENSIONS)**
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N85-21987
- SIZE DETERMINATION**
Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
Small conductive particle sensor --- microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- SIZE SEPARATION**
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
Improved silicon grinding method and apparatus
[NASA-CASE-NPO-16336-1-CU] c 31 N85-21407
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
- SIZING (SHAPING)**
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
- SIZING SCREENS**
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483
- SKEWNESS**
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- SKID LANDINGS**
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- SKIN (ANATOMY)**
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- SKIN (STRUCTURAL MEMBER)**
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- SKIN FRICTION**
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
A two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N85-21610
- SKIN TEMPERATURE (BIOLOGY)**
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
- SKIN TEMPERATURE (NON-BIOLOGICAL)**
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- SKIRTS**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- SKY BRIGHTNESS**
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- SLEEP**
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
- SLEEVES**
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- SLENDER BODIES**
A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
- SLENDER WINGS**
Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
- SLICING**
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083
- SLIDING CONTACT**
Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- SLIDING FRICTION**
Bearing material --- composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309
- SLIP CASTING**
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
- SLITS**
Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- SLOPES**
Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
- SLOT ANTENNAS**
Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- SLOTS**
Bellville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
- SLUDGE**
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- SLURRIES**
Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- SLURRY PROPELLANTS**
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
- SMOKE**
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- SODIUM CHLORIDES**
Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- SODIUM VAPOR**
Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- SOFT LANDING**
Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085
- SOFT LANDING SPACECRAFT**
Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
- SOIL MECHANICS**
Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- SOIL MOISTURE**
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
- SOIL SCIENCE**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- SOILS**
Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483
Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
- SOL-GEL PROCESSES**
Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
- SOLAR ACTIVITY**
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- SOLAR ARRAYS**
Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

- Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
- Solar energy powered heliotope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- Method of making silicon solar cell array --- and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
- Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
- Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
- Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- SOLAR CELLS**
- Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
- Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
- Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
- Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
- Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
- Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
- Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
- Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
- Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
- Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
- Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
- Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
- Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
- Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
- Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
- Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
- Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
- Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- Method of making silicon solar cell array --- and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- Covered silicon solar cells and method of manufacture --- with polymernic films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
- Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
- Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
- Solar cell assembly --- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571
- High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
- Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541
- Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
- Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
- Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
- Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
- Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
- Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
- Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- Coated flexible laminate and method of its production
[NASA-CASE-GSC-12913-1] c 27 N84-24807
- Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N85-20535
- SOLAR COLLECTORS**
- Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582
- Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
- Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
- Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
- Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
- Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
- Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471
- Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
- Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
- Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
- Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N84-25164
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- SOLAR ELECTRIC PROPULSION**
- Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

SOLAR ENERGY

- Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- Solar energy power system --- using Freon
[NASA-CASE-MFS-21628-1] c 44 N75-32581
- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
- Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
- Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
- Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
- Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- SOLAR ENERGY ABSORBERS**
Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657
- Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
- Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- SOLAR ENERGY CONVERSION**
Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
- High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
- Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
- Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- Bi-directional control system for energy flow in a solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N84-32913
- Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- SOLAR FLUX DENSITY**
Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- SOLAR FURNACES**
High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- SOLAR GENERATORS**
GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018

SOLAR GRAVITATION

- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
- SOLAR HEATING**
Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
- Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
- Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
- Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912
- SOLAR OBSERVATORIES**
Solar optical telescope dome control system Patent
[NASA-CASE-MFS-10966] c 14 N71-19568
- SOLAR PONDS (HEAT STORAGE)**
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- SOLAR POSITION**
Sun angle calculator
[NASA-CASE-MSC-12617-1] c 35 N76-29552
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- SOLAR POWERED AIRCRAFT**
Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154
- SOLAR RADIATION**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
- Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- Wide angle sun sensor --- consisting of cylinder, insulation and pair of detectors
[NASA-CASE-NPO-13327-1] c 35 N75-23910
- Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- SOLAR RADIATION SHIELDING**
High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N84-25164
- SOLAR RADIO EMISSION**
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- SOLAR REFLECTORS**
Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
- Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
- Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
- Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
- Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
- Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
- SOLAR SAILS**
Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

SOLAR SENSORS

- Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
- Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269
- Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
- Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- SOLAR SIMULATORS**
High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- SOLDERED JOINTS**
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
- SOLDERING**
Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
- Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
- Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- Method for ultrasonic bonding to soft microelectronic substrates
[NASA-CASE-NPO-16087-1] c 33 N85-29151
- SOLDERS**
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- SOLENOID VALVES**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
- Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
- Remote fire stack igniter --- with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378
- Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
- SOLENOIDS**
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
- Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
- Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- SOLID CRYOGEN COOLING**
Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- SOLID ELECTRODES**
Polymenc electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
- Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422

SOLID LUBRICANTS

- Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916

SOLID PHASES

- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

SOLID PROPELLANT IGNITION

- Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

SOLID PROPELLANT ROCKET ENGINES

- Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784

SOLID PROPELLANTS

- Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710

SOLID ROCKET BINDERS

- Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

SOLID ROCKET PROPELLANTS

- Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

- Hydrazinium nitroformate propellant with saturated polymenc hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

SOLID SOLUTIONS

- Solid sorbent air sampler
[NASA-CASE-MS-20653-1] c 35 N85-20301

SOLID STATE

- Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578

SOLID STATE DEVICES

- Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
Broadband stable power multiplier Patent
[NASA-CASE-NPO-10854] c 10 N71-26331
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
Space-charge-limited solid-state diode
[NASA-CASE-NPO-13064-1] c 33 N79-11314
Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MS-20181-1] c 33 N82-28549
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768

SOLID SURFACES

- Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

SOLID WASTES

- Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MS-14831-1] c 25 N78-10225
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

SOLIDIFICATION

- Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

- Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125

SOLIDIFIED GASES

- Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

SOLIDS FLOW

- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

SOLUBILITY

- Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800

SOLUTES

- Specific wavelength colorimeter --- for measuring given solute concentration in test sample
[NASA-CASE-MS-14081-1] c 35 N74-27860

SOLUTIONS

- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968

SOLVENT EXTRACTION

- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255

SOLVENTS

- Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1] c 31 N85-20154
Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

SONAR

- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

SONIC BOOMS

- Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232

SORBATES

- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465

SORBENTS

- Solid sorbent air sampler
[NASA-CASE-MS-20653-1] c 35 N85-20301

SORET COEFFICIENT

- Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187

SOUND GENERATORS

- Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

SOUND LOCALIZATION

- Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

SOUND PRESSURE

- Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867

SOUND PROPAGATION

- System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

SOUND RANGING

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

SOUND TRANSDUCERS
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753
Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Acoustic system for maternal transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] c 71 N84-16948

SOUND WAVES
Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
Maternal suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765

SOUNDING ROCKETS
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853

SPACE CAPSULES
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675

SPACE CHARGE
Space-charge-limited solid-state diode
[NASA-CASE-NPO-13064-1] c 33 N79-11314
FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N84-33211

SPACE COMMUNICATION
Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240

SPACE ENVIRONMENT SIMULATION
Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
Illumination system including a virtual light source Patent
[NASA-CASE-HON-10781] c 23 N71-30292
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097

Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MRS-25791-1] c 09 N84-27749

SPACE ERECTABLE STRUCTURES
Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296
Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214
Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 18 N84-16250
Foldable self-erecting joint --- space erectable structures
[NASA-CASE-MSC-20635-1] c 18 N84-32424

SPACE EXPLORATION
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238

SPACE FLIGHT
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449

SPACE FLIGHT FEEDING
Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N85-21595

SPACE INDUSTRIALIZATION
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

SPACE MAINTENANCE
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323

SPACE MANUFACTURING
Maternal suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

SPACE MISSIONS
Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884

Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017

SPACE NAVIGATION
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axis systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630

SPACE ORIENTATION
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297

SPACE PLATFORMS
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157

SPACE PROBES
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609

SPACE PROCESSING
Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
High gradient directional solidification furnace --- for space processing
[NASA-CASE-MFS-25963-1] c 35 N84-16531

SPACE RENDEZVOUS
Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605
Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N84-29085

SPACE SHUTTLE BOOSTERS
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784

SPACE SHUTTLE ORBITERS
Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
Pre-stressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 16 N84-22601
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886

SPACE SHUTTLE PAYLOADS
Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612

SPACE SHUTTLES
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

- Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991
- Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- SPACE SIMULATORS**
- Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
- SPACE STATIONS**
- Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
- Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- SPACE STORAGE**
- Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991
- SPACE SUITS**
- Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
- Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
- Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
- Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599
- Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
- Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
- Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
- Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N84-33021
- Elbow and knee joint for hard space suits and the like
[NASA-CASE-ARC-11610-1] c 54 N85-20666
- Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11543-1] c 54 N85-21986
- Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N85-21987
- SPACE TOOLS**
- Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- SPACE TRANSPORTATION SYSTEM**
- Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
- Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787
- SPACE VEHICLE CHECKOUT PROGRAM**
- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Electronic checkout system for space vehicles Patent
[NASA-CASE-XFS-08012-2] c 31 N71-15566
- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- SPACEBORNE TELESCOPES**
- Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015
- Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 89 N84-17084
- Self-indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N84-20860
- Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
- SPACECRAFT**
- Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
- Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
- Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
- High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
- Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- SPACECRAFT ANTENNAS**
- Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
- Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169
- Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- SPACECRAFT CABIN ATMOSPHERES**
- Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
- Nonflammable coating compositions --- for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- Regenerable device for scrubbing breathable air of CO2 and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- Solid sorbent air sampler
[NASA-CASE-MSC-20853-1] c 35 N85-20301
- SPACECRAFT COMMUNICATION**
- Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
- Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
- Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
- Reed-Solomon decoder --- applicable to Galileo Project requirements
[NASA-CASE-NPO-15982-1] c 60 N85-20680
- SPACECRAFT COMPONENTS**
- Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
- Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Omnidirectional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
- Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912
- Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
- Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
- Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
- Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
- Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
- Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
- Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494
- Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 18 N84-20628
- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605
- SPACECRAFT CONFIGURATIONS**
- Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
- Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
- Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
- SPACECRAFT CONSTRUCTION MATERIALS**
- Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747

- Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
- Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N85-20129
- SPACECRAFT CONTROL**
- Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
- Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
- Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
- Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938
- Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
- Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
- Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
- Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132
- Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
- Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
- Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
- Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098
- Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
- Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
- Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
- Flight control system
[NASA-CASE-MS-C-13397-1] c 21 N72-25595
- All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- SPACECRAFT DESIGN**
- Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- Spacecraft radiator cover Patent
[NASA-CASE-MS-C-12049] c 31 N71-16080
- Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
- Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
- Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730
- Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912
- Spacecraft Patent
[NASA-CASE-MS-C-13047-1] c 31 N71-25434
- Emergency earth orbital escape device
[NASA-CASE-MS-C-13281] c 31 N72-18859
- Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
- Space vehicle system
[NASA-CASE-MS-C-12561-1] c 18 N76-17185
- Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- SPACECRAFT DOCKING**
- Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346
- Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912
- Latching mechanism Patent
[NASA-CASE-MS-C-15474-1] c 15 N71-26162
- Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876
- Latch mechanism
[NASA-CASE-MS-C-12549-1] c 37 N74-27903
- Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MS-C-12559-1] c 18 N76-14186
- Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MS-C-18969-1] c 18 N84-22605
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N84-29085
- SPACECRAFT ELECTRONIC EQUIPMENT**
- Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
- Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- Electrical self-aligning connector --- orbital service vehicles
[NASA-CASE-MFS-25211-2] c 33 N84-14423
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- SPACECRAFT ENVIRONMENTS**
- Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- Dual stage check valve
[NASA-CASE-MS-C-13587-1] c 15 N73-30459
- Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- SPACECRAFT GUIDANCE**
- Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
- Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
- Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
- Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- Hermetic sealed vibration damper Patent
[NASA-CASE-MS-C-10959] c 15 N71-26243
- Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- SPACECRAFT INSTRUMENTS**
- Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
- Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
- Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
- Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
- Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
- Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
- Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
- Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
- SPACECRAFT LANDING**
- Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
- Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
- SPACECRAFT LAUNCHING**
- Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
- SPACECRAFT MODELS**
- Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
- SPACECRAFT MODULES**
- Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730
- Spacecraft Patent
[NASA-CASE-MS-C-13047-1] c 31 N71-25434
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- SPACECRAFT MOTION**
- Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372
- SPACECRAFT POSITION INDICATORS**
- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
- SPACECRAFT POWER SUPPLIES**
- Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
- Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
- Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408
- Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
- Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- Thermoelectric power system --- for spacecraft
[NASA-CASE-MFS-22002-1] c 44 N76-16612
- Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
- Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N84-29085
- Bi-directional control system for energy flow in a solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N84-32913
- SPACECRAFT PROPULSION**
- Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
- Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

- SPACECRAFT RADIATORS**
 Thermal control canister
 [NASA-CASE-GSC-12253-1] c 34 N79-31523
 Thermal control system --- removing waste heat from industrial process spacecraft
 [NASA-CASE-GSC-12771-1] c 34 N84-14461
 Radiative cooler --- spacecraft radiators
 [NASA-CASE-NPO-15465-1] c 34 N84-22903
 Multi-leg heat pipe evaporator
 [NASA-CASE-MS-C-20812-1] c 34 N84-32748
- SPACECRAFT RECOVERY**
 Assembly for recovering a capsule Patent
 [NASA-CASE-XMF-00641] c 31 N70-36410
 Wing deployment method and apparatus Patent
 [NASA-CASE-XMS-00907] c 02 N70-41630
 Satellite retrieval system
 [NASA-CASE-MFS-25403-1] c 18 N83-29303
 Magnetic spin reduction system for free spinning objects
 [NASA-CASE-MFS-25966-1] c 15 N85-11122
- SPACECRAFT REENTRY**
 Space capsule Patent
 [NASA-CASE-XLA-00149] c 31 N70-37938
 Event recorder Patent
 [NASA-CASE-XLA-01832] c 14 N71-21006
- SPACECRAFT SHIELDING**
 Aerodynamic protection for space flight vehicles Patent
 [NASA-CASE-XNP-02507] c 31 N71-17679
 Isothermal cover with thermal reservoirs Patent
 [NASA-CASE-MFS-20355] c 33 N71-25353
 Stabilized zinc oxide coating compositions Patent
 [NASA-CASE-XMF-07770-2] c 18 N71-26772
 Electrically conductive thermal control coatings
 [NASA-CASE-GSC-12207-1] c 24 N79-14156
 Thermal insulation protection means
 [NASA-CASE-MS-C-12737-1] c 24 N79-25142
 Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
 [NASA-CASE-MS-C-18134-1] c 37 N81-15363
 High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
 [NASA-CASE-ARC-11164-1] c 44 N83-34448
 Variable anodic thermal control coating
 [NASA-CASE-LAR-12719-1] c 44 N83-34449
 Shell tile thermal protection system
 [NASA-CASE-LAR-12862-1] c 27 N84-27886
 Mechanical fastener
 [NASA-CASE-LAR-12738-2] c 37 N85-30335
- SPACECRAFT STABILITY**
 Reaction wheel scanner Patent
 [NASA-CASE-XGS-02629] c 14 N71-21082
 Attitude sensor
 [NASA-CASE-LAR-10586-1] c 19 N74-15089
 Annular momentum control device used for stabilization of space vehicles and the like
 [NASA-CASE-LAR-11051-1] c 15 N76-14158
 Tetherline system for orbiting satellites
 [NASA-CASE-MFS-23564-1] c 15 N78-25119
 Active nutation controller
 [NASA-CASE-GSC-12273-1] c 35 N80-21719
 Method of damping nutation motion with minimum spin axis attitude disturbance
 [NASA-CASE-GSC-12551-1] c 18 N83-28064
- SPACECRAFT STRUCTURES**
 Collapsible loop antenna for space vehicle Patent
 [NASA-CASE-XMF-00437] c 07 N70-40202
 Electro-optical alignment control system Patent
 [NASA-CASE-XMF-00908] c 14 N70-40238
 Spacecraft radiator cover Patent
 [NASA-CASE-MS-C-12049] c 31 N71-16080
 Satellite appendage tie down cord Patent
 [NASA-CASE-XGS-02554] c 31 N71-21064
 Thermal control panel Patent
 [NASA-CASE-XLA-07728] c 33 N71-22890
 Inflatable tether Patent
 [NASA-CASE-XMS-10993] c 15 N71-28936
 Delayed simultaneous release mechanism
 [NASA-CASE-GSC-10814-1] c 03 N73-20039
 Pressurized panel
 [NASA-CASE-XLA-08916-2] c 14 N73-28487
 Structural heat pipe --- for spacecraft wall thermal insulation system
 [NASA-CASE-GSC-11619-1] c 34 N75-12222
 Auger attachment method for insulation --- of spacecraft
 [NASA-CASE-MS-C-12615-1] c 37 N76-19437
 Particulate and solar radiation stable coating for spacecraft
 [NASA-CASE-LAR-10805-2] c 34 N77-18382
 Pneumatic inflatable end effector
 [NASA-CASE-MFS-23696-1] c 54 N81-26718
 Curved cap corrugated sheet
 [NASA-CASE-LAR-12884-1] c 18 N84-33450
- Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
 [NASA-CASE-LAR-12775-2] c 27 N85-21349
- SPACECRAFT TELEVISION**
 Electrically-operated rotary shutter Patent
 [NASA-CASE-XNP-00637] c 14 N70-40273
 Television signal scan rate conversion system Patent
 [NASA-CASE-XMS-07168] c 07 N71-11300
 Optical conversion method --- for spacecraft television
 [NASA-CASE-MS-C-12618-1] c 74 N78-17865
- SPACECRAFT TRACKING**
 Ranging system Patent
 [NASA-CASE-NPO-10066] c 09 N71-18598
 Deep space monitor communication satellite system Patent
 [NASA-CASE-XAC-06029-1] c 31 N71-24813
 Optical tracking mount Patent
 [NASA-CASE-MFS-14017] c 14 N71-26627
 Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
 [NASA-CASE-LAR-10626-1] c 19 N74-21015
 Conical scan tracking system employing a large antenna
 [NASA-CASE-NPO-14009-1] c 32 N79-13214
- SPACECREWS**
 Orbital escape device Patent
 [NASA-CASE-XMS-06162] c 31 N71-28851
- SPACELAB PAYLOADS**
 Hemispherical latching apparatus
 [NASA-CASE-MFS-25837-1] c 18 N85-29991
- SPALLATION**
 Method of producing I-123 --- by bombardment of cesium causing spallation
 [NASA-CASE-LEW-11390-2] c 25 N76-27383
- SPARK CHAMBERS**
 Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
 [NASA-CASE-GSC-12321-1] c 36 N82-16396
 Inorganic spark chamber frame and method of making the same
 [NASA-CASE-GSC-12354-1] c 35 N82-24471
- SPARK GAPS**
 Protective circuit of the spark gap type
 [NASA-CASE-XAC-08981] c 09 N69-39897
 Measurement of time differences between luminous events Patent
 [NASA-CASE-XLA-01987] c 23 N71-23976
- SPARK IGNITION**
 High temperature spark plug Patent
 [NASA-CASE-XLE-00660] c 28 N70-39925
 Plasma igniter for internal combustion engine
 [NASA-CASE-NPO-13828-1] c 37 N79-11405
- SPARK PLUGS**
 High temperature spark plug Patent
 [NASA-CASE-XLE-00660] c 28 N70-39925
- SPATIAL DISTRIBUTION**
 Propellant mass distribution metering apparatus Patent
 [NASA-CASE-NPO-10185] c 10 N71-26339
- SPATIAL FILTERING**
 Spatial filter for Q-switched lasers
 [NASA-CASE-LEW-12164-1] c 36 N77-32478
- SPATIAL RESOLUTION**
 Wide-angle flat field telescope
 [NASA-CASE-GSC-12825-1] c 74 N85-20868
- SPECTRAL BANDS**
 Multispectral linear array multiband selection device
 [NASA-CASE-GSC-12911-1] c 35 N84-25016
- SPECTRAL CORRELATION**
 Correlation spectrometer having high resolution and multiplexing capability
 [NASA-CASE-NPO-15558-1] c 35 N84-34705
- SPECTRAL REFLECTANCE**
 Single reflector interference spectrometer and drive system therefor
 [NASA-CASE-NPO-11932-1] c 35 N74-23040
- SPECTRAL SIGNATURES**
 Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
 [NASA-CASE-NPO-13691-1] c 43 N79-17288
- SPECTROMETERS**
 Photoelectric energy spectrometer Patent
 [NASA-CASE-XNP-04161] c 14 N71-15599
 Variable frequency nuclear magnetic resonance spectrometer Patent
 [NASA-CASE-XNP-09830] c 14 N71-26266
 Maksutov spectrograph Patent
 [NASA-CASE-XLA-10402] c 14 N71-29041
 Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
 [NASA-CASE-XNP-05231] c 14 N73-28491
- Compton scatter attenuation gamma ray spectrometer
 [NASA-CASE-MFS-21441-1] c 14 N73-30392
 Mossbauer spectrometer radiation detector
 [NASA-CASE-LAR-11155-1] c 35 N74-15091
 Single reflector interference spectrometer and drive system therefor
 [NASA-CASE-NPO-11932-1] c 35 N74-23040
 Spectrometer integrated with a facsimile camera
 [NASA-CASE-LAR-11207-1] c 35 N75-19613
 Resonant waveguide stark cell --- using microwave spectrometers
 [NASA-CASE-LAR-11352-1] c 33 N75-26245
 Ion and electron detector for use in an ICR spectrometer
 [NASA-CASE-NPO-13479-1] c 35 N77-10492
 Frequency-scanning particle size spectrometer
 [NASA-CASE-NPO-13606-2] c 35 N80-18364
 Velocity servo for continuous scan Fourier interference spectrometer
 [NASA-CASE-NPO-14093-1] c 35 N80-20563
 Visible and infrared polarization ratio spectroradiometer
 [NASA-CASE-LAR-12285-1] c 35 N80-28687
 Integrated optics in an electrically scanned imaging Fourier transform spectrometer
 [NASA-CASE-NPO-15844-1] c 74 N83-12992
 Portable reflectance spectrometer
 [NASA-CASE-NPO-13556-1] c 35 N84-33766
 Correlation spectrometer having high resolution and multiplexing capability
 [NASA-CASE-NPO-15558-1] c 35 N84-34705
- SPECTROPHOTOMETERS**
 Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
 [NASA-CASE-XGS-01231] c 14 N70-41676
 High resolution Fourier interferometer-spectropolarimeter
 [NASA-CASE-NPO-13604-1] c 35 N76-31490
 Differential optoacoustic absorption detector
 [NASA-CASE-NPO-13759-1] c 74 N78-17867
- SPECTRORADIOMETERS**
 Compact spectroradiometer
 [NASA-CASE-HQN-10683] c 14 N71-34389
- SPECTROSCOPIC ANALYSIS**
 Spectroscopy equipment using a slender cylindrical reflector as a substitute for a slit Patent
 [NASA-CASE-XGS-08269] c 23 N71-26206
- SPECTRUM ANALYSIS**
 Photoelectric energy spectrometer Patent
 [NASA-CASE-XNP-04161] c 14 N71-15599
 Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
 [NASA-CASE-XMF-02039] c 15 N71-15871
 Method and apparatus for high resolution spectral analysis
 [NASA-CASE-NPO-10748] c 08 N72-20177
 Stark cell optoacoustic detection of constituent gases in sample
 [NASA-CASE-NPO-14143-1] c 25 N81-14015
- SPECULAR REFLECTION**
 Real time reflectometer --- measurement of specular reflectance
 [NASA-CASE-MFS-23118-1] c 35 N77-31465
- SPEECH RECOGNITION**
 Speech analyzer
 [NASA-CASE-GSC-11898-1] c 32 N77-30309
- SPEED CONTROL**
 System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
 [NASA-CASE-XMF-08892] c 09 N71-24805
 Optimal control system for an electric motor driven vehicle
 [NASA-CASE-NPO-11210] c 11 N72-20244
 Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
 [NASA-CASE-MFS-20645-1] c 37 N74-23070
 Low speed phase-locked speed control system --- for brushless dc motor
 [NASA-CASE-GSC-11127-1] c 09 N75-24758
 Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
 [NASA-CASE-NPO-14170-1] c 37 N81-15364
 Variable speed drive
 [NASA-CASE-GSC-12643-1] c 37 N83-26078
- SPEED INDICATORS**
 Miniature electrooptical air flow sensor
 [NASA-CASE-LAR-13065-1] c 35 N85-20295
- SPEED REGULATORS**
 A dc motor speed control system Patent
 [NASA-CASE-MFS-14610] c 09 N71-28886
- SPHERES**
 Guidance and maneuver analyzer Patent
 [NASA-CASE-XNP-09572] c 14 N71-15621
 Radar calibration sphere
 [NASA-CASE-XLA-11154] c 07 N72-21117

- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N84-15960
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- SPHERICAL SHELLS**
- Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
- Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
- SPHERICAL TANKS**
- Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
- SPHERICAL WAVES**
- Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
- SPHYGMOGRAPHY**
- Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- SPIKE NOZZLES**
- Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- SPIKE POTENTIALS**
- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- SPILLING**
- A spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N83-29325
- SPIN DYNAMICS**
- Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
- Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200
- SPIN REDUCTION**
- Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
- Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 15 N85-11122
- SPIN STABILIZATION**
- Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
- Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
- Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
- Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
- Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
- Passive dual spin misalignment compensators --- gyrostabilized device
[NASA-CASE-GSC-11479-1] c 35 N74-28097
- Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
- Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
- Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130
- Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- SPINDLES**
- Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
- SPINE**
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- SPINNERS**
- Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- SPIRAL ANTENNAS**
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- SPIRAL WRAPPING**
- Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
- Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
- Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
- SPIRALS (CONCENTRATORS)**
- Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- SPIROMETERS**
- Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- SPLICING**
- Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N84-20859
- Low loss splicing method for single-mode optical fiber
[NASA-CASE-NPO-16294-1] c 74 N84-33179
- SPLINTS**
- Stretchier Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- SPOILERS**
- Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- SPORES**
- Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178
- SPOT WELDS**
- Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- SPRAY CHARACTERISTICS**
- Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- SPRAY NOZZLES**
- Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376
- SPRAYED COATINGS**
- Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
- Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100
- Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N84-20670
- Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
- SPRAYERS**
- External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
- Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237
- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398
- Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
- SPRAYING**
- Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- SPREAD SPECTRUM TRANSMISSION**
- Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- SPREADING**
- Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
- SPRINGS (ELASTIC)**
- Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
- Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
- Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
- Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
- Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
- Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492
- SPUTTERING**
- A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
- Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
- Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N85-20129
- Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
- SQUARE WAVES**
- High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
- SQUARES (MATHEMATICS)**
- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- SQUEEZE FILMS**
- Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490
- SQUIBS**
- Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

STABILITY AUGMENTATION

- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985

STABILITY TESTS

- Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146

STABILIZATION

- Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

STABILIZED PLATFORMS

- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323

STABILIZERS

- Satellite despun device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396

STABILIZERS (AGENTS)

- Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

STABILIZERS (FLUID DYNAMICS)

- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
- Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
- Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460

STABLE OSCILLATIONS

- Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986

STACKS

- Remote fire stack igniter --- with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378

STAGE SEPARATION

- Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
- Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
- Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41679
- Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
- Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
- Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
- Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
- Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488
- Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610

STAGNATION PRESSURE

- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692

- Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878

STAGNATION TEMPERATURE

- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156

STAINING

- Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677

STAINLESS STEELS

- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- Moving body velocity arresting line --- stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601

STAMPING

- Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
- Ultrasonic angle beam standard reflector
[NASA-CASE-LAR-12372-1] c 71 N84-21274

STANDARDS

- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

STANDING WAVES

- Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
- Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] c 71 N84-16948

STAR TRACKERS

- Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
- Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
- Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157
- Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
- Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Star scanner --- with a reticle with a pair of slits having differing separation
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247

STARK EFFECT

- Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

STARTERS

- Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
- Motor run-up system --- power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360

STARTING

- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

STATIC DISCHARGERS

- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

STATIC FRICTION

- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489

STATIC INVERTERS

- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470

STATIC LOADS

- Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878

STATIC PRESSURE

- Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
- Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
- Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

STATIONKEEPING

- Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969

STATISTICAL CORRELATION

- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407

STATOR BLADES

- Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544

STATORS

- Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N85-30341

STEADY STATE

- Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861

STEAM

- Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

STEAM TURBINES

- Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104

STEELS

- Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
- Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-1] c 26 N85-21324

STEERABLE ANTENNAS

- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264

STEERING

- Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645

STELLAR LUMINOSITY

- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

STELLAR SPECTRA

- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

STENCIL PROCESSES

- Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073

STEPPING MOTORS

- Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

STEREOPHOTOGRAPHY

Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

STEREOSCOPIC VISION
Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728

STEREOSCOPY
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920

STERILIZATION
Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

STERILIZATION EFFECTS
Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200

STIFFENING
Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214

STIFFNESS
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442

STIMULATED EMISSION
Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832

STIRLING CYCLE
Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
Stirling cycle cryogenic cooler --- magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404

STIRRING
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177

STOICHIOMETRY
Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N84-28987

STORAGE
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494

STORAGE BATTERIES
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313

Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

STORAGE STABILITY
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

STORAGE TANKS
Expulsion bladder-equipped storage tank structure Patent
[NASA-CASE-XNP-00612] c 11 N70-38182
Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

STOWAGE (ONBOARD EQUIPMENT)
Latching mechanism for deployable-restorable columns
[NASA-CASE-LAR-13169-1] c 37 N84-25063
Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991

STRAIN GAGE ACCELEROMETERS
Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
Angular accelerometer Patent
[NASA-CASE-XMS-05936] c 14 N70-41682

STRAIN GAGE BALANCES
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656

STRAIN GAGES
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Wire gnd forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
Strain gage measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
Photomechanical transducer
[NASA-CASE-NPO-14383-1] c 39 N81-25400
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Inflatable device for installing strain gage bndges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Strain gage calibrator
[NASA-CASE-LAR-12743-1] c 35 N84-28019

Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain
[NASA-CASE-WLP-10055-2] c 35 N85-21598

STRAIN MEASUREMENT
Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain
[NASA-CASE-WLP-10055-2] c 35 N85-21598

STRAIN RATE
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019

STRAKES
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

STRAPDOWN INERTIAL GUIDANCE
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

STRAPS
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

STRATIGRAPHY
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

STREAMS
Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465

STRESS ANALYSIS
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

STRESS CONCENTRATION
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369

STRESS CORROSION
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616

STRESS MEASUREMENT
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512

STRESS RELAXATION
Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170

STRESS RELIEVING
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

STRESSES
Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

STRETCHERS
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

STRETCHING
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457

STRINGS
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623

STRIP TRANSMISSION LINES

Microwave integrated circuit for Josephson voltage standards
 [NASA-CASE-MFS-23845-1] c 33 N81-17348
 Microwave switching power divider --- antenna feeds
 [NASA-CASE-GSC-12420-1] c 33 N82-16340

STRUCTURAL ANALYSIS

Window defect planar mapping technique
 [NASA-CASE-MSC-19442-1] c 74 N77-10899

STRUCTURAL DESIGN

Life raft Patent
 [NASA-CASE-XMS-00863] c 05 N70-34857
 High pressure regulator valve Patent
 [NASA-CASE-XNP-00710] c 15 N71-10778
 Lifting body Patent Application
 [NASA-CASE-FRC-10063] c 01 N71-12217
 Ring wing tension vehicle Patent
 [NASA-CASE-XLA-04901] c 31 N71-24315
 Opto-mechanical subsystem with temperature compensation through isothermal design
 [NASA-CASE-GSC-12059-1] c 35 N77-27366
 Lightweight reflector assembly
 [NASA-CASE-NPO-13707-1] c 74 N77-28933
 Horizontally mounted solar collector
 [NASA-CASE-MFS-23349-1] c 44 N79-23481

STRUCTURAL DESIGN CRITERIA

Geometries for roughness shapes in laminar flow
 [NASA-CASE-LAR-13255-1] c 02 N84-12092
 Improved compliant hydrodynamic fluid journal bearing
 [NASA-CASE-LEW-13670-1] c 37 N84-22959
 Over the wing propeller
 [NASA-CASE-LAR-13134-1] c 05 N85-19980

STRUCTURAL ENGINEERING

Beam connector apparatus and assembly
 [NASA-CASE-MFS-25134-1] c 31 N83-31895

STRUCTURAL FAILURE

Method and apparatus for nondestructive testing of pressure vessels
 [NASA-CASE-NPO-12142-1] c 38 N76-28563

STRUCTURAL MEMBERS

Broadband choke for antenna structure
 [NASA-CASE-XMS-05303] c 07 N69-27462
 Optical alignment system Patent
 [NASA-CASE-XNP-02029] c 14 N70-41955
 All-directional fastener Patent
 [NASA-CASE-XLA-01807] c 15 N71-10799
 Frictionless universal joint Patent
 [NASA-CASE-NPO-10646] c 15 N71-28467
 Fastener stretcher
 [NASA-CASE-GSC-11149-1] c 15 N73-30457
 Method of laminating structural members
 [NASA-CASE-XLA-11028-1] c 24 N74-27035
 Folding structure fabricated of rigid panels
 [NASA-CASE-XHQ-02146] c 18 N75-27040
 Strain arrester plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
 [NASA-CASE-MSC-14182-1] c 27 N76-14264
 Mechanical end joint system for structural column elements
 [NASA-CASE-LAR-12482-1] c 37 N82-32732
 Daze fasteners
 [NASA-CASE-LAR-13009-1] c 37 N85-29285

STRUCTURAL STABILITY

Latching device
 [NASA-CASE-MFS-21606-1] c 37 N75-19685
 Flanged major modular assembly jig
 [NASA-CASE-MSC-19372-1] c 39 N76-31562

STRUCTURAL VIBRATION

Electrical connector Patent Application
 [NASA-CASE-MFS-14741] c 09 N70-20737
 Seismic displacement transducer Patent
 [NASA-CASE-XMF-00479] c 14 N70-34794
 Vibrating structure displacement measuring instrument Patent
 [NASA-CASE-XLA-03135] c 32 N71-16428
 Active notch filter network with variable notch depth, width and frequency
 [NASA-CASE-FRC-11055-1] c 33 N80-29583

STRUCTURES

Arbitrarily shaped model survey system Patent
 [NASA-CASE-LAR-10098] c 32 N71-26681

STRUTS

Energy absorbing structure Patent Application
 [NASA-CASE-MSC-12279-1] c 15 N70-35679
 Collapsible structure for an antenna reflector
 [NASA-CASE-NPO-11751] c 07 N73-24176
 Locking redundant link
 [NASA-CASE-LAR-11900-1] c 37 N79-14382
 Multiple pure tone elimination strut assembly --- air breathing engines
 [NASA-CASE-FRC-11062-1] c 71 N82-16800
 Variable length strut with longitudinal compliance and locking capability
 [NASA-CASE-MFS-25907-1] c 37 N85-34401

STUDS (STRUCTURAL MEMBERS)

Safety-type locking pin
 [NASA-CASE-MFS-18495] c 15 N72-11385
 Stud-bonding gun
 [NASA-CASE-MFS-20299] c 15 N72-11392
 Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
 [NASA-CASE-MFS-21485-1] c 37 N74-25968

STYRENES

Heat resistant polymers of oxidized styrylphosphine
 [NASA-CASE-MSC-14903-1] c 27 N78-32256
 Compound oxidized styrylphosphine --- flame resistant vinyl polymers
 [NASA-CASE-MSC-14903-2] c 27 N80-10358
 Heat resistant polymers of oxidized styrylphosphine
 [NASA-CASE-MSC-14903-3] c 27 N80-24438
 Stabilized unsaturated polyesters
 [NASA-CASE-NPO-16103-1] c 27 N85-29043

SUBASSEMBLIES

Multistage spent particle collector and a method for making same
 [NASA-CASE-LEW-13914-1] c 37 N85-33489

SUBCRITICAL FLOW

Method for growth of crystals by pressure reduction of supercritical or subcritical solution
 [NASA-CASE-NPO-15772-1] c 76 N85-29800

SUBLIMATION

Tubular sublimatory evaporator heat sink
 [NASA-CASE-ARC-10912-1] c 34 N77-19353
 Polymers compositions and their method of manufacture --- forming filled polymer systems using cryogenics
 [NASA-CASE-NPO-10424-1] c 27 N81-24258

SUBMARINES

Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
 [NASA-CASE-ARC-11040-2] c 24 N78-27184

SUBMERGING

Liquid immersion apparatus for minute articles
 [NASA-CASE-MFS-25363-1] c 37 N82-12441
 Liquid-immersible electrostatic ultrasonic transducer
 [NASA-CASE-LAR-12465-1] c 33 N82-26572

SUBMILLIMETER WAVES

Submillimeter wave Schottky barrier diode with low series resistance and low noise
 [NASA-CASE-NPO-15935-1] c 33 N83-12334
 Ladder supported ring bar circuit
 [NASA-CASE-LEW-13570-1] c 33 N84-16452
 Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
 [NASA-CASE-NPO-16372-1] c 72 N85-30779

SUBMINIATURIZATION

Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
 [NASA-CASE-XNP-00384] c 09 N71-13530

SUBREFLECTORS

Dish antenna having switchable beamwidth --- with truncated concave ellipsoid subreflector
 [NASA-CASE-GSC-11760-1] c 33 N75-19516

SUBSONIC FLOW

Leading edge vortex flaps for drag reduction --- during subsonic flight
 [NASA-CASE-LAR-12750-1] c 02 N81-19016

SUBSONIC SPEED

Landing arrangement for aerospace vehicle Patent
 [NASA-CASE-XLA-00805] c 31 N70-38010
 Leading edge curvature based on convective heating Patent
 [NASA-CASE-XLA-01486] c 01 N71-23497
 Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
 [NASA-CASE-LAR-10585-1] c 02 N76-22154
 Self stabilizing sonic inlet
 [NASA-CASE-LEW-11890-1] c 05 N79-24976

SUBSONIC WIND TUNNELS

Variable geometry wind tunnels
 [NASA-CASE-XLA-07430] c 11 N72-22246

SUBSTRATES

Means and methods of depositing thin films on substrates Patent
 [NASA-CASE-XNP-00595] c 15 N70-34967
 Solar cell mounting Patent
 [NASA-CASE-XNP-00826] c 03 N71-20895
 Solar panel fabrication Patent
 [NASA-CASE-XNP-03413] c 03 N71-26726
 Fabrication of polycrystalline solar cells on low-cost substrates
 [NASA-CASE-GSC-12022-1] c 44 N76-28635
 Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
 [NASA-CASE-ARC-11039-1] c 74 N78-32854
 Attaching of strain gages to substrates
 [NASA-CASE-FRC-10093-1] c 35 N80-20560

Method for applying photographic resists to otherwise incompatible substrates
 [NASA-CASE-MSC-18107-1] c 27 N81-25209
 Refractory coatings
 [NASA-CASE-LEW-13169-2] c 26 N82-30371
 Pyroelectric detector arrays
 [NASA-CASE-LAR-12363-1] c 35 N82-31659
 Method for depositing an oxide coating
 [NASA-CASE-LEW-13131-1] c 44 N83-10494
 Densification of porous refractory substrates --- space shuttle orbiter tiles
 [NASA-CASE-MSC-18737-1] c 24 N83-13171
 Method of forming oxide coatings --- for solar collector heating panels
 [NASA-CASE-LEW-13132-1] c 27 N83-29388
 Method and apparatus for coating substrates using a laser
 [NASA-CASE-LEW-13526-1] c 36 N84-22944
 Coating with overlay metallic-cermet alloy systems
 [NASA-CASE-LEW-13639-2] c 26 N84-27855
 Overlay metallic-cermet alloy coating systems
 [NASA-CASE-LEW-13639-1] c 26 N84-33555
 A process to produce fine line metallic collection patterns on semiconductors devices
 [NASA-CASE-NPO-16413-1] c 26 N85-21325
 Method for ultrasonic bonding to soft microelectronic substrates
 [NASA-CASE-NPO-16087-1] c 33 N85-29151
 Increased voltage photovoltaic cell
 [NASA-CASE-NPO-16155-1] c 44 N85-30475
 Liquid crystal light valve structures
 [NASA-CASE-MSC-20036-1] c 76 N85-33826
 Thermal barrier coating system
 [NASA-CASE-LEW-14057-1] c 24 N85-35233
 Oxidation resistant slurry coating for carbon-based materials
 [NASA-CASE-LEW-13923-1] c 26 N85-35267

SUBSTRUCTURES

Support structure for irradiated elements Patent
 [NASA-CASE-XNP-06031] c 15 N71-15606
 Opto-mechanical subsystem with temperature compensation through isothermal design
 [NASA-CASE-GSC-12059-1] c 35 N77-27366
 System for detecting substructure microfractures and method therefore
 [NASA-CASE-NPO-14192-1] c 39 N80-10507
 Elevated waterproof access floor system and method of making the same
 [NASA-CASE-ARC-11363-1] c 31 N83-28281

SUCTION

Pumped vortex
 [NASA-CASE-LAR-12625-1] c 02 N83-19715

SUGARS

Production of butanol by fermentation in the presence of cocultures of clostridium
 [NASA-CASE-NPO-16203-1] c 23 N85-35227

SULFATES

Intumescent paints Patent
 [NASA-CASE-ARC-10099-1] c 18 N71-15469

SULFIDES

Stabilized lanthanum sulphur compounds --- thermoelectric materials
 [NASA-CASE-NPO-16135-1] c 25 N83-24572

SULFONES

Electrolytic cell structure
 [NASA-CASE-LAR-11042-1] c 33 N75-27252
 Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
 [NASA-CASE-LAR-12858-1] c 27 N83-34041
 Ethynyl and substituted ethynyl-terminated polysulfones
 [NASA-CASE-LAR-12931-1] c 27 N84-22747
 Sulfone-ester polymers containing pendent ethynyl groups
 [NASA-CASE-LAR-13316-1] c 27 N84-28987
 Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
 [NASA-CASE-LAR-12858-2] c 27 N85-20124

SULFONIC ACID

Intumescent coatings containing 4,4'-dinitrosulfanilide
 [NASA-CASE-ARC-11042-1] c 24 N78-14096
 The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
 [NASA-CASE-ARC-11097-1] c 25 N82-24312

SULFUR COMPOUNDS

Polymers vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
 [NASA-CASE-ARC-10325] c 06 N72-25147

SULFUR DIOXIDES

Stack plume visualization system
 [NASA-CASE-LAR-11675-1] c 45 N76-17656
 Simultaneous treatment of SO2 containing stack gases and waste water
 [NASA-CASE-MSC-16258-1] c 45 N79-12584

SULFURIC ACID

Synthesis of 2,4,8,10-tetroxapropyl-5,undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187

SUM RULES
Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693

SUMPS
Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152

SUN
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526

SUNGLASSES
Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

SUNLIGHT
Illumination system including a virtual light source
Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
Illumination control apparatus for compensating solar
light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

SUPERCHARGERS
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
Diesel engine catalytic combustor system --- aircraft
engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808

SUPERCONDUCTING MAGNETS
Cryogenic apparatus for measuring the intensity of
magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Segmented superconducting magnet for a broadband
traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Stable superconducting magnet --- high current levels
below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264
Reciprocating magnetic refrigerator employing tandem
porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082

SUPERCONDUCTIVITY
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
System for improving signal-to-noise ratio of a
communication signal
[NASA-CASE-MS-C-12259-2] c 07 N72-33146
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Doped Josephson tunneling junction for use in a
sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332

SUPERCONDUCTORS
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Method of fabricating a twisted composite
superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320

SUPERCOOLING
Method and apparatus for supercooling and solidifying
substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

SUPERCRITICAL FLUIDS
Method for growth of crystals by pressure reduction of
supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800

SUPERCRITICAL PRESSURES
Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012

SUPERFLUIDITY
Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
Method and apparatus for generating coherent radiation
in the ultra-violet region and above by use of distributed
feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575

SUPERHEATING
Thermal energy storage system --- operating on
superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667

SUPERHIGH FREQUENCIES
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

SUPERPLASTICITY

Superplastically formed diffusion bonded metallic
structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

SUPERSONIC AIRCRAFT
Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
Absorptive splitter for closely spaced supersonic engine
air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

SUPERSONIC COMBUSTION
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

SUPERSONIC DRAG
Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939

SUPERSONIC FLIGHT
Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

SUPERSONIC FLOW
Optical probing of supersonic flows with statistical
correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
Stagnation pressure probe --- for measuring pressure
of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878

SUPERSONIC INLETS
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Shock position sensor for supersonic inlets --- measuring
pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

SUPERSONIC NOZZLES
Penshape exhaust nozzle for supersonic engine
Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Telescoping-spike supersonic inlet for aircraft engines
Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

SUPERSONIC SPEEDS
Continuously operating induction plasma accelerator
Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429

SUPERSONIC TRANSPORTS
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Doppler compensation by shifting transmitted object
frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086

SUPERSONIC WIND TUNNELS
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

SUPPORT INTERFERENCE
Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404

SUPPORT SYSTEMS
Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486

Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254

SUPPORTS
A support technique for vertically oriented launch
vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
Angular displacement indicating gas bearing support
system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
Method of making porous conductive supports for
electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
Thrust-isolating mounting --- characteristics of support
for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448
Remote pivot decoupler pylon
Wing/store
suppression
[NASA-CASE-LAR-13173-1] c 05 N85-19981
Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294

SUPPRESSORS
Electronic background suppression method and
apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

SURFACE ACOUSTIC WAVE DEVICES
Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919

SURFACE CRACKS
Elastomer coated filler and composites thereof
comprising at least 60% by weight of a hydrated filler and
an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

SURFACE DEFECTS
Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
Method and device for detection of surface
discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879

SURFACE DIFFUSION
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Double-beam optical method and apparatus for
measuring thermal diffusivity and other molecular dynamic
processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

SURFACE FINISHING
Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
Device and method for determining X ray reflection
efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Modification of the electrical and optical properties of
polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521

- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
- Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-1] c 26 N85-21324
- A process to produce fine line metallic collection patterns on semiconductor devices
[NASA-CASE-NPO-16413-1] c 26 N85-21325
- SURFACE IONIZATION**
- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
- SURFACE LAYERS**
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- SURFACE PROPERTIES**
- Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
- Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Apparatus for microbiological sampling --- including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272
- Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316
- SURFACE REACTIONS**
- Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
- SURFACE ROUGHNESS**
- Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
- Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
- SURFACE ROUGHNESS EFFECTS**
- Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
- SURFACE TEMPERATURE**
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- SURFACE VEHICLES**
- Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
- Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238
- Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
- Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- SURFACE WAVES**
- Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980
- Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
- SURFACES**
- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- SURFACTANTS**
- Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
- SURGERY**
- Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- SURGES**
- Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
- Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
- SURGICAL INSTRUMENTS**
- Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
- Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
- SURVIVAL EQUIPMENT**
- Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
- Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
- Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096
- SUSPENDING (HANGING)**
- Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310
- Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
- SUSPENSION SYSTEMS (VEHICLES)**
- Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- SWEAT**
- Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- SWEAT COOLING**
- Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
- SWEEP CIRCUITS**
- Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- SWEEP EFFECT**
- High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
- Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- SWEEP FREQUENCY**
- Sweep group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
- SWELLING**
- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- SWEEP WINGS**
- Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
- SWIRLING**
- Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
- Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- SWITCHES**
- Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
- Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
- High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
- Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
- Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
- Trac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- SWITCHING**
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- SWITCHING CIRCUITS**
- Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
- A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
- Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
- High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
- Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
- SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
- A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
- Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
- Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
- Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
- Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
- Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
- Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
- Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
- Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000

- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent [NASA-CASE-XGS-04224] c 10 N71-26418
- Turn on transient limiter Patent [NASA-CASE-GSC-10413] c 10 N71-26531
- Method and means for providing an absolute power measurement capability Patent [NASA-CASE-ERC-11020] c 14 N71-26774
- Transistor drive regulator Patent [NASA-CASE-LEW-10233] c 10 N71-27126
- Compensating bandwidth switching transients in an amplifier circuit Patent [NASA-CASE-XNP-01107] c 10 N71-28859
- Monostable multivibrator with complementary NOR gates Patent [NASA-CASE-MSC-13492-1] c 10 N71-28860
- Digital memory sense amplifying means Patent [NASA-CASE-XNP-01012] c 08 N71-28925
- Current regulating voltage divider [NASA-CASE-MFS-20935] c 09 N71-34212
- Reference voltage switching unit [NASA-CASE-NPO-11253] c 09 N72-17157
- Optimum performance spacecraft solar cell system [NASA-CASE-GSC-10669-1] c 03 N72-20031
- Flow rate switch [NASA-CASE-NPO-10722] c 09 N72-20199
- Switching regulator [NASA-CASE-LEW-11005-1] c 09 N72-21243
- Data multiplexer using tree switching configuration [NASA-CASE-NPO-11333] c 08 N72-22162
- Pulse coupling circuit [NASA-CASE-LEW-10433-1] c 09 N72-22197
- Solid state remote circuit selector switch [NASA-CASE-LEW-10387] c 09 N72-22201
- Pressure operated electrical switch responsive to a pressure decrease after a pressure increase [NASA-CASE-LAR-10137-1] c 09 N72-22204
- Fast response low power drain logic circuits [NASA-CASE-GSC-10878-1] c 10 N72-22236
- CRT blanking and brightness control circuit [NASA-CASE-KSC-10647-1] c 10 N72-31273
- Electronic video editor [NASA-CASE-KSC-10003] c 10 N73-13235
- Radiation sensitive solid state switch [NASA-CASE-NPO-10817-1] c 08 N73-30135
- Transparent switchboard [NASA-CASE-MSC-13746-1] c 10 N73-32143
- High isolation RF signal selection switches [NASA-CASE-NPO-13081-1] c 33 N74-22814
- Isolated output system for a class D switching-mode amplifier [NASA-CASE-MFS-21616-1] c 33 N75-30429
- Dual digital video switcher [NASA-CASE-KSC-10782-1] c 33 N75-30431
- Multi-computer multiple data path hardware exchange system [NASA-CASE-NPO-13422-1] c 60 N76-14818
- Sustained arc ignition system [NASA-CASE-LEW-12444-1] c 33 N77-28385
- Window comparator [NASA-CASE-FRC-10090-1] c 33 N78-18308
- Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications [NASA-CASE-NPO-14000-1] c 33 N79-24254
- System for automatically switching transformer coupled lines [NASA-CASE-MSC-16697-1] c 33 N79-28415
- Self-reconfiguring solar cell system [NASA-CASE-LEW-12586-1] c 44 N80-14472
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress [NASA-CASE-NPO-14316-1] c 33 N81-33404
- Microwave switching power divider --- antenna feeds [NASA-CASE-GSC-12420-1] c 33 N82-16340
- Control means for a solid state crossbar switch [NASA-CASE-NPO-15066-1] c 33 N82-29538
- Active lamp pulse driver circuit --- optical pumping of laser media [NASA-CASE-GSC-12566-1] c 33 N83-34189
- Pulsed thyristor trigger control circuit [NASA-CASE-MFS-25616-1] c 33 N84-16455
- Simplified dc to dc converter [NASA-CASE-LEW-13495-1] c 33 N84-33663
- SWITCHING THEORY**
- Multiple circuit switch apparatus with improved pivot actuator structure Patent [NASA-CASE-XAC-03777] c 10 N71-15909
- SWIVELS**
- Swivel support for gas bearings Patent [NASA-CASE-XMF-07808] c 15 N71-23812
- SYNCHRONISM**
- Time division multiplex system [NASA-CASE-XGS-05918] c 07 N69-39974
- Means for generating a sync signal in an FM communication system Patent [NASA-CASE-XNP-10830] c 07 N71-11281
- Method of resolving clock synchronization error and means therefor Patent [NASA-CASE-XNP-08875] c 10 N71-23099
- Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent [NASA-CASE-XGS-03632] c 09 N71-23311
- Time synchronization system utilizing moon reflected coded signals Patent [NASA-CASE-NPO-10143] c 10 N71-26326
- Rapid sync acquisition system Patent [NASA-CASE-NPO-10214] c 10 N71-26577
- Synchronized voltage contrast display analysis system [NASA-CASE-NPO-14567-1] c 33 N83-18996
- Chopped molecular beam multiplexing system [NASA-CASE-LAR-13174-1] c 72 N84-25431
- SYNCHRONIZED OSCILLATORS**
- Phase demodulation system with two phase locked loops Patent [NASA-CASE-XNP-00777] c 10 N71-19469
- Phase locked phase modulator including a voltage controlled oscillator Patent [NASA-CASE-XNP-05382] c 10 N71-23544
- Automatic frequency control loop including synchronous switching circuits [NASA-CASE-KSC-10393] c 09 N72-21247
- Apparatus and method for tracking the fundamental frequency of an analog input signal [NASA-CASE-ARC-11367-1] c 33 N83-21238
- SYNCHRONIZERS**
- Burst synchronization detection system Patent [NASA-CASE-XMS-05605-1] c 10 N71-19468
- Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent [NASA-CASE-GSC-10373-1] c 07 N71-19773
- Synchronous servo loop control system Patent [NASA-CASE-XNP-03744] c 10 N71-20448
- Digital synchronizer Patent [NASA-CASE-NPO-10851] c 07 N71-24613
- Video sync processor Patent [NASA-CASE-KSC-10002] c 10 N71-25865
- Pulse code modulated signal synchronizer [NASA-CASE-MSC-12462-1] c 32 N74-20809
- Pulse code modulated signal synchronizer [NASA-CASE-MSC-12494-1] c 32 N74-20810
- System for generating timing and control signals [NASA-CASE-NPO-13125-1] c 33 N75-19519
- Telemetry synchronizer [NASA-CASE-GSC-11868-1] c 17 N76-22245
- Memory-based frame synchronizer --- for digital communication systems [NASA-CASE-GSC-12430-1] c 60 N82-16747
- SYNCHRONOUS MOTORS**
- Synchronous dc direct drive system Patent [NASA-CASE-GSC-10065-1] c 10 N71-27136
- Motor run-up system --- power lines [NASA-CASE-NPO-13374-1] c 33 N75-19524
- SYNCHRONOUS SATELLITES**
- Position location system and method Patent [NASA-CASE-GSC-10087-2] c 21 N71-13958
- Serrodyne frequency converter re-entrant amplifier system Patent [NASA-CASE-XGS-01022] c 07 N71-16088
- Traffic control system and method Patent [NASA-CASE-GSC-10087-1] c 02 N71-19287
- Tracking antenna system Patent [NASA-CASE-GSC-10553-1] c 07 N71-19854
- Satellite interlace synchronization system [NASA-CASE-GSC-10390-1] c 07 N72-11149
- Synchronous orbit battery cycler [NASA-CASE-GSC-11211-1] c 03 N72-25020
- Systems and methods for determining radio frequency interference [NASA-CASE-GSC-12150-1] c 32 N79-11265
- Satellite personal communications system [NASA-CASE-NPO-14480-1] c 32 N80-20448
- SYNTHESIS**
- Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent [NASA-CASE-XMF-08651] c 06 N71-11236
- Preparation of ordered poly /arylenesiloxane/ polymers [NASA-CASE-XMF-10753] c 06 N71-11237
- Imidazopyrrolone/imide copolymers Patent [NASA-CASE-XLA-08802] c 06 N71-11238
- Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids [NASA-CASE-LEW-11325-1] c 06 N73-27980
- SYNTHESIS (CHEMISTRY)**
- Prepolymer dianhydrides [NASA-CASE-NPO-13899-1] c 27 N80-32515
- Viscoelastic cationic polymers containing the urethane linkage [NASA-CASE-NPO-10830-1] c 27 N81-15104
- Bifunctional monomers having terminal oxime and cyano or amidine groups [NASA-CASE-ARC-11253-3] c 27 N81-24256
- Synthesis of polyformals [NASA-CASE-ARC-11244-1] c 23 N82-16174
- Electrically conductive palladium containing polyimide films [NASA-CASE-LAR-12705-1] c 25 N82-26396
- Polyvinyl alcohol cross-linked with two aldehydes [NASA-CASE-LEW-13504-1] c 25 N83-13188
- Synthesis of dawsonites --- for use in fire extinguishing operations [NASA-CASE-ARC-11326-1] c 25 N83-33977
- Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same [NASA-CASE-LAR-12858-1] c 27 N83-34041
- Polyphenylene ethers with imide linking groups [NASA-CASE-LAR-12980-1] c 27 N84-22749
- Sulfone-ester polymers containing pendent ethynyl groups [NASA-CASE-LAR-13316-1] c 27 N84-28987
- Ethynyl-terminated ester oligomers and polymers therefrom [NASA-CASE-LAR-13118-1] c 27 N84-28988
- Fire resistant polymers based on 1-(diorgano oxyphosphoryl)methyl-2,4- and 2,6-diamino benzenes [NASA-CASE-ARC-11512-2] c 27 N85-21362
- Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom [NASA-CASE-LAR-13262-1] c 23 N85-28973
- Synthesis of 2,4,8,10-tetroxaspiro[5,5]undecane [NASA-CASE-ARC-11243-2] c 23 N85-33187
- Fire-resistant phosphorus containing polyimides and copolyimides [NASA-CASE-ARC-11522-2] c 27 N85-34280
- SYNTHESIZERS**
- Digitally controlled frequency synthesizer Patent [NASA-CASE-XGS-02317] c 09 N71-23525
- SYNTHETIC APERTURE RADAR**
- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks [NASA-CASE-NPO-13862-1] c 35 N79-10391
- Azimuth correlator for real-time synthetic aperture radar image processing [NASA-CASE-NPO-14019-1] c 32 N79-14268
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-1] c 32 N79-19195
- An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data [NASA-CASE-NPO-14998-1] c 33 N81-15194
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications [NASA-CASE-NPO-14054-1] c 32 N82-12297
- Servo-mechanism for Doppler shift compensation in optical correlator for synthetic aperture radar [NASA-CASE-NPO-14998-1] c 32 N83-18975
- Clutter free synthetic aperture radar correlator [NASA-CASE-NPO-14035-1] c 32 N83-19968
- Method and apparatus for contour mapping using synthetic aperture radar [NASA-CASE-NPO-15939-1] c 43 N83-20324
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-2] c 32 N83-31918
- Synthetic aperture radar target simulator [NASA-CASE-NPO-15024-1] c 32 N84-27951
- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter [NASA-CASE-NPO-15519-1] c 32 N84-34651
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current [NASA-CASE-NPO-15704-1] c 32 N85-34327
- SYNTHETIC FIBERS**
- Fluid containers and resealable septum therefor Patent [NASA-CASE-NPO-10123] c 15 N71-24835
- Fabric for micrometeoroid protection garment Patent [NASA-CASE-MSC-12109] c 18 N71-26285
- Fluid impervious barrier including liquid metal alloy and method of making same Patent [NASA-CASE-XNP-08881] c 17 N71-28747
- Polymeric electrolytic hygrometer [NASA-CASE-NPO-13948-1] c 35 N78-25391
- Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments [NASA-CASE-MSC-14331-3] c 27 N78-32262
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith [NASA-CASE-NPO-13530-1] c 25 N81-17187

SYNTHETIC FUELS

- Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475

SYNTHETIC RESINS

- Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Method for forming pyrrole molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

SYNTHETIC RUBBERS

- Process for the preparation of polycarbonarylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271

SYRINGES

- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

SYSTEM EFFECTIVENESS

- System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

SYSTEM FAILURES

- Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
- Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MS-C-12531-1] c 35 N75-30504
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

SYSTEMS ANALYSIS

- Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166

SYSTEMS ENGINEERING

- Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
- Gravity stabilized flying vehicle Patent
[NASA-CASE-MS-C-12111-1] c 02 N71-11039
- Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
- Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
- Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
- Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
- Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
- Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
- Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
- Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
- Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969
- Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025

- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
- Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
- Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
- Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
- Broadband modified turnstile antenna Patent
[NASA-CASE-MSC-12209] c 09 N71-24842
- Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
- Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
- Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
- Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
- Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
- Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
- Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364
- Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
- Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
- Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Flight control system
[NASA-CASE-MS-C-13397-1] c 21 N72-25595
- Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
- Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386
- Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
- Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
- Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
- Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
- Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447

SYSTEMS INTEGRATION

- Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017

T

TABS (CONTROL SURFACES)

- Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947

TACHOMETERS

- Digital cardi tachometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
- Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436
- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017

TACKINESS

- Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532

TAIL ASSEMBLIES

- Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MS-C-18422-1] c 37 N82-16408
- Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231

TAKEOFF

- Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
- Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157

TANGENTS

- Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MS-C-13907-1] c 10 N73-26230

TANK GEOMETRY

- Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948

TANKERS

- Tanker orbit transfer vehicle and method
[NASA-CASE-MS-C-20543-1] c 18 N84-22610

TANKS (COMBAT VEHICLES)

- Improvements in tank tread assemblies
[NASA-CASE-NPO-16321-1] c 37 N85-29291

TANKS (CONTAINERS)

- Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MS-C-12280] c 27 N71-16348
- Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
- Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
- Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

TANTALUM

- Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
- Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987
- Tnalkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

TANTALUM ALLOYS

- Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
- Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182

TANTALUM CARBIDES

- Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

TANTALUM OXIDES

- Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761

TAPE RECORDERS

- Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420

- Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
- Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
- Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- TAPERED COLUMNS**
- Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
- Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
- TARGET ACQUISITION**
- Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
- TARGET RECOGNITION**
- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
- TARGET SIMULATORS**
- Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- TARGETS**
- Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- TEETH**
- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
- TEFLON (TRADEMARK)**
- Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492
- Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- Method for ultrasonic bonding to soft microelectronic substrates
[NASA-CASE-NPO-16087-1] c 33 N85-29151
- TELECOMMUNICATION**
- Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
- Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
- Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
- Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
- Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
- Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
- Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
- Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
- Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- Method and apparatus for quadrature-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- TELEMETRY**
- Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
- Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- TELEOPERATORS**
- Cooperative multiaxis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
- TELEPHONES**
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- TELEPHONY**
- Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
- TELESCOPES**
- Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
- Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N84-26400
- Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N85-20868
- TELETYPEWRITER SYSTEMS**
- Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
- TELEVISION CAMERAS**
- Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
- Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
- Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
- Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
- Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229
- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- TELEVISION EQUIPMENT**
- Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115
- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
- Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
- Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- TELEVISION RECEIVERS**
- Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
- TELEVISION RECEPTION**
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- TELEVISION SYSTEMS**
- Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
- Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
- Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
- Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
- TELEVISION TRANSMISSION**
- Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
- Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
- Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485
- TELLURIUM**
- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- TEMPERATURE**
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- TEMPERATURE COMPENSATION**
- Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
- Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
- Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- TEMPERATURE CONTROL**
- Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979

- Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
- Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
- Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
- Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MS-C-13917-1] c 05 N72-15098
- Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
- Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
- Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- Temperature control system with a pulse width modulated bndge
[NASA-CASE-NPO-11304] c 14 N73-26430
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
- Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- TEMPERATURE DISTRIBUTION**
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- TEMPERATURE EFFECTS**
- Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
- Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
- Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
- Radiometric temperature reference Patent
[NASA-CASE-MS-C-13276-1] c 14 N71-27058
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- TEMPERATURE GRADIENTS**
- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124
- Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- High gradient directional solidification furnace --- for space processing
[NASA-CASE-MFS-25963-1] c 35 N84-16531
- TEMPERATURE MEASUREMENT**
- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
- Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
- Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
- Method of fabricating an article with cavities --- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089
- Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085
- Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N85-30201
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- TEMPERATURE MEASURING INSTRUMENTS**
- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
- Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
- Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
- TEMPERATURE PROBES**
- Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- TEMPERATURE PROFILES**
- Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
- TEMPERATURE SENSORS**
- Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
- Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MS-C-18627-1] c 74 N82-30071
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085
- TEMPLATES**
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- TENSILE STRENGTH**
- Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
- Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Method for fibering ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Device for use in loading tension members --- characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794
- Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385
- Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 27 N84-11297
- Method for strengthening boron fibers
[NASA-CASE-LEW-13826-2] c 24 N84-24711
- TENSILE STRESS**
- Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
- Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- TENSILE TESTS**
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829

TENSION

Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375

TENSION
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615

TERMINAL GUIDANCE
Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746
Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

TERNARY SYSTEMS
Niral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

TERRAIN
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589

TERRAIN ANALYSIS
Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499

TEST CHAMBERS
Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511

TEST EQUIPMENT
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019

Battery testing device --- for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
Ultrasonic angle beam standard reflector
[NASA-CASE-LAR-13153-1] c 71 N84-21274

TEST FACILITIES
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245

TEST STANDS
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094

TEST VEHICLES
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768

TETHERED SATELLITES
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

TETHERING
Cable arrangement for ngd tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936

TETHERLINES
Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N85-29290

TETRAETHYL ORTHOSILICATE
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

TETRAPHENYLS
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HON-10364] c 06 N71-27363

TEXTILES
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405

TEXTURES
Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

THERAPY
Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

THERMAL ABSORPTION
Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525

THERMAL COMFORT
Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

THERMAL CONDUCTIVITY

Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356

THERMAL CONDUCTORS
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657

THERMAL CONTROL COATINGS
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331
Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449

THERMAL DEGRADATION
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186

THERMAL DIFFUSIVITY
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

THERMAL EMISSION
Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

THERMAL ENERGY
Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134

- Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- Thermal energy storage system — operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
- Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- THERMAL EXPANSION**
- Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
- Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
- Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
- THERMAL FATIGUE**
- Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
- THERMAL INSULATION**
- Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
- Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
- Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
- Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
- Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
- Cryogenic insulation system Patent
[NASA-CASE-XLE-04222] c 23 N71-22881
- Insulation system Patent
[NASA-CASE-XLE-02647] c 18 N71-23658
- Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- High current electrical lead — for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- Structural heat pipe — for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
- Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
- Auger attachment method for insulation — of spacecraft
[NASA-CASE-MSC-12615-1] c 37 N76-19437
- Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- Thermal insulation attaching means — adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
- Fibrous refractory composite insulation — shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
- Process for the preparation of polycarboranylphosphazenes — thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carboranylphosphazenes and their polymers — thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387
- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 27 N84-11297
- Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262
- Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- THERMAL PLASMAS**
- Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
- THERMAL PROTECTION**
- Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
- Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623
- Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
- Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
- Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947
- Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
- Flexible fire retardant polyisocyanate modified neoprene foam — for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814
- Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- Attachment system for silica tiles — thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456
- Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- Silicon-slurry/aluminate coating — protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- Pre-stressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 16 N84-22601
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
- Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N85-20128
- Process for preparing highly optically transparent-colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N85-21360
- THERMAL RADIATION**
- Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
- Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
- High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
- Thermal radiation shielding Patent
[NASA-CASE-XLS-03432] c 33 N71-24145
- Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373
- THERMAL REACTORS**
- Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- THERMAL RESISTANCE**
- Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
- Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
- Ambient cure polyimide foams — thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- The 1,2,4-oxadiazole elastomers — heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-12762
- Surface conforming thermal/pressure seal — tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408
- Amine terminated bisapartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484
- Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
- Fire resistant polymers based on 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diamino benzenes
[NASA-CASE-ARC-11512-2] c 27 N85-21362
- Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364
- THERMAL SHOCK**
- Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
- Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- THERMAL SIMULATION**
- Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481
- THERMAL STABILITY**
- Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
- Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- Metal containing polymers from cyclic tetrameric phenylphosphonitriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Sound-suppressing structure with thermal relief
[NASA-CASE-XLE-12658-1] c 71 N79-14871
- Infusible silazane polymer and process for producing same — protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190

Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
 [NASA-CASE-LEW-12053-2] c 27 N79-28307
 Aluminum ion-containing polyimide adhesives
 [NASA-CASE-LAR-12640-1] c 27 N82-11206
 Improved high temperature resistant polyimides
 [NASA-CASE-LEW-13864-1] c 27 N83-17715
 Low temperature cross linking polyimides
 [NASA-CASE-LEW-12876-2] c 27 N83-29392
 Process for preparing phthalocyanine polymers
 [NASA-CASE-ARC-11511-1] c 23 N84-16259
 Metal phthalocyanine polymers
 [NASA-CASE-ARC-11405-1] c 27 N84-27884
 Sulfone-ester polymers containing pendent ethynyl groups
 [NASA-CASE-LAR-13316-1] c 27 N84-28987
 Ethynyl-terminated ester oligomers and polymers therefrom
 [NASA-CASE-LAR-13118-1] c 27 N84-28988

THERMAL STRESSES

Strain gage Patent Application
 [NASA-CASE-FRC-10053] c 14 N70-35587
 Multilegged support system Patent
 [NASA-CASE-XLA-01326] c 11 N71-21481
 Low cycle fatigue testing machine
 [NASA-CASE-LAR-10270-1] c 32 N72-25877
 Apparatus and method for reducing thermal stress in a turbine rotor
 [NASA-CASE-LEW-12232-1] c 07 N79-10057
 Method for alleviating thermal stress damage in laminates --- metal matrix composites
 [NASA-CASE-LEW-12493-1] c 24 N81-17170
 Method for alleviating thermal stress damage in laminates
 [NASA-CASE-LEW-12493-2] c 24 N81-26179
 Fully plasma-sprayed compliant backed ceramic turbine seal
 [NASA-CASE-LEW-13268-2] c 37 N82-26674
 Daze fasteners
 [NASA-CASE-LAR-13009-1] c 37 N85-29285

THERMIONIC CATHODES

Cavity emitter for thermionic converter Patent
 [NASA-CASE-NPO-10412] c 09 N71-28421

THERMIONIC CONVERTERS

Node thermionic energy converter
 [NASA-CASE-XLE-01015] c 03 N69-39898
 Thermionic converter with current augmented by self induced magnetic field Patent
 [NASA-CASE-XLE-01903] c 22 N71-23599
 Cavity emitter for thermionic converter Patent
 [NASA-CASE-NPO-10412] c 09 N71-28421
 Solar cell Patent
 [NASA-CASE-ARC-10050] c 03 N71-33409
 Uninsulated in-core thermionic diode
 [NASA-CASE-NPO-10542] c 09 N72-27228
 High current electrical lead --- for thermionic converters
 [NASA-CASE-LEW-10950-1] c 33 N74-27683
 Electric power generation system directory from laser power
 [NASA-CASE-NPO-13308-1] c 36 N75-30524
 Nuclear thermionic converter --- tungsten-thorium oxide rods
 [NASA-CASE-NPO-13121-1] c 73 N77-18891
 High thermal power density heat transfer --- thermionic converters
 [NASA-CASE-LEW-12950-1] c 34 N82-11399
 Thermionic energy converters
 [NASA-CASE-LEW-12443-1] c 44 N83-32175

THERMIONIC DIODES

Heat pipe thermionic diode power system Patent
 [NASA-CASE-XMF-05843] c 03 N71-11055
 Thermionic diode switch Patent
 [NASA-CASE-NPO-10404] c 03 N71-12255
 Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
 [NASA-CASE-XNP-00384] c 09 N71-13530
 Power system with heat pipe liquid coolant lines Patent
 [NASA-CASE-MFS-14114] c 33 N71-27862
 Uninsulated in-core thermionic diode
 [NASA-CASE-NPO-10542] c 09 N72-27228

THERMIONIC EMITTERS

Thermionic tantalum emitter doped with oxygen Patent Application
 [NASA-CASE-NPO-11138] c 03 N70-34646

THERMIONIC POWER GENERATION

Control for nuclear thermionic power source
 [NASA-CASE-NPO-13114-2] c 73 N78-28913
 High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
 [NASA-CASE-LEW-12950-2] c 34 N85-29179
 Thermionic photovoltaic energy converter
 [NASA-CASE-LEW-14077-1] c 44 N85-34441

THERMISTORS

Matched thermistors for microwave power meters Patent
 [NASA-CASE-NPO-10348] c 10 N71-12554
 Thermistor holder for skin temperature measurements
 [NASA-CASE-ARC-10855-1] c 52 N77-10780
 Wedge immersed thermistor bolometers
 [NASA-CASE-XGS-01245-1] c 35 N79-33449

THERMOCHEMISTRY

Thermochemical generation of hydrogen
 [NASA-CASE-NPO-15015-1] c 25 N82-28368

THERMOCHROMATIC MATERIALS

Heat detection and compositions and devices therefor
 [NASA-CASE-NPO-10764-1] c 14 N73-14428
 Heat detection and compositions and devices therefor
 [NASA-CASE-NPO-10764-2] c 35 N75-25122

THERMOCOUPLE PYROMETERS

Dual measurement ablation sensor
 [NASA-CASE-LAR-10105-1] c 34 N74-15652

THERMOCOUPLES

Heat flux sensor assembly
 [NASA-CASE-XMS-05909-1] c 14 N69-27459
 Gas cooled high temperature thermocouple Patent
 [NASA-CASE-XLE-09475-1] c 33 N71-15568
 Weld control system using thermocouple wire Patent
 [NASA-CASE-MFS-06074] c 15 N71-20393
 Heat sensing instrument Patent
 [NASA-CASE-XLA-01551] c 14 N71-22989
 Thermocouple assembly Patent
 [NASA-CASE-XNP-01659] c 14 N71-23039
 Fluid phase analyzer Patent
 [NASA-CASE-NPO-10691] c 14 N71-26199
 Apparatus for sensing temperature
 [NASA-CASE-XLE-05230] c 14 N72-27410
 Method of making apparatus for sensing temperature
 [NASA-CASE-XLE-05230-2] c 14 N73-13417
 Butt welder for fine gauge tungsten/rhenium thermocouple wire
 [NASA-CASE-LAR-10103-1] c 15 N73-14468
 Thermocouple tape
 [NASA-CASE-LEW-11072-1] c 14 N73-24472
 Thermocouple tape --- developed from thermoelectrically different metals
 [NASA-CASE-LEW-11072-2] c 35 N76-15434
 Thermocouple installation
 [NASA-CASE-NPO-13540-1] c 35 N77-14409
 Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
 [NASA-CASE-LEW-12050-1] c 35 N77-32454
 Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
 [NASA-CASE-LEW-12174-2] c 35 N79-14346
 Thermocouple, multiple junction reference oven
 [NASA-CASE-FRC-10112-1] c 35 N81-26431
 Solar energy control system --- temperature measurement
 [NASA-CASE-MFS-25287-1] c 44 N82-18686
 Joining lead wires to thin platinum alloy films
 [NASA-CASE-LEW-13934-1] c 35 N83-35338

THERMODYNAMIC CYCLES

Solar engine
 [NASA-CASE-LAR-12148-1] c 44 N82-24640

THERMODYNAMIC EFFICIENCY

Automatic compression adjusting mechanism for internal combustion engines
 [NASA-CASE-MSC-18807-1] c 37 N83-36483

THERMODYNAMIC PROPERTIES

Thermal shock apparatus Patent
 [NASA-CASE-XLE-02024] c 14 N71-22964
 Foamed in place ceramic refractory insulating material Patent
 [NASA-CASE-XGS-02435] c 18 N71-22998
 Superconducting magnet Patent
 [NASA-CASE-XNP-06503] c 23 N71-29049
 Cobalt-base alloy
 [NASA-CASE-LEW-10436-1] c 17 N73-32415
 High stability amplifier
 [NASA-CASE-GSC-12646-1] c 33 N83-34191
 Chemical approach for controlling nadimide cure temperature and rate
 [NASA-CASE-LEW-13770-5] c 27 N85-21352

THERMOELECTRIC GENERATORS

Protection for energy conversion systems
 [NASA-CASE-XGS-04808] c 03 N69-25146
 Segmenting lead telluride-silicon germanium thermoelements Patent
 [NASA-CASE-XGS-05718] c 26 N71-16037
 Integrated thermoelectric generator/space antenna combination
 [NASA-CASE-XER-09521] c 09 N72-12136
 Thermally cascaded thermoelectric generator
 [NASA-CASE-NPO-10753] c 03 N72-26031

THERMOELECTRIC MATERIALS

Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
 [NASA-CASE-XGS-04554] c 15 N69-39786

Segmenting lead telluride-silicon germanium thermoelements Patent
 [NASA-CASE-XGS-05718] c 26 N71-16037
 Stabilized lanthanum sulphur compounds --- thermoelectric materials
 [NASA-CASE-NPO-16135-1] c 25 N83-24572

THERMOELECTRIC POWER GENERATION

Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
 [NASA-CASE-XNP-00644] c 03 N70-36803
 Combined electrolysis device and fuel cell and method of operation Patent
 [NASA-CASE-XLE-01645] c 03 N71-20904
 Thermoelectric power system --- for spacecraft
 [NASA-CASE-MFS-22002-1] c 44 N76-16612

THERMOELECTRICITY

Thermocouple tape
 [NASA-CASE-LEW-11072-1] c 14 N73-24472
 Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
 [NASA-CASE-NPO-11749] c 14 N73-28486

THERMOGRAVIMETRY

High performance filletting sealant
 [NASA-CASE-ARC-11409-1] c 27 N82-32490

THERMOLUMINESCENCE

Method of detecting oxygen in a gas
 [NASA-CASE-LAR-10668-1] c 06 N73-16106
 Thermoluminescent aerosol analysis
 [NASA-CASE-LAR-12046-1] c 25 N78-15210

THERMOMAGNETIC EFFECTS

Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
 [NASA-CASE-NPO-11317-2] c 36 N74-13205
 Thermomagnetic recording and magnetic-optic playback system
 [NASA-CASE-NPO-10872-1] c 35 N79-16246

THERMOMETERS

Platinum resistance thermometer circuit
 [NASA-CASE-MSC-12327-1] c 35 N77-27368

THERMOPHYSICAL PROPERTIES

Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
 [NASA-CASE-LAR-11053-1] c 25 N74-18551
 Apparatus for determining thermophysical properties of test specimens
 [NASA-CASE-LAR-11883-1] c 09 N77-27131

THERMOPILES

Differential temperature transducer Patent
 [NASA-CASE-XAC-00812] c 14 N71-15598
 Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
 [NASA-CASE-XNP-06957] c 14 N71-21088
 Irradiance measuring device
 [NASA-CASE-NPO-11493] c 14 N73-12447

THERMOPLASTIC FILMS

Advanced inorganic separators for alkaline batteries
 [NASA-CASE-LEW-13171-1] c 44 N82-29708
 Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
 [NASA-CASE-LAR-12881-1] c 27 N84-14323
 Heat sealable, flame and abrasion resistant coated fabric
 [NASA-CASE-MSC-18382-2] c 27 N84-14324
 Induction heating gun
 [NASA-CASE-LAR-13181-1] c 31 N85-29083

THERMOPLASTIC RESINS

Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
 [NASA-CASE-ARC-11057-1] c 27 N78-31233
 Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
 [NASA-CASE-NPO-08835-1] c 27 N78-33228
 Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
 [NASA-CASE-NPO-14001-1] c 27 N81-14076
 Method of making formulated plastic separators for soluble electrode cells
 [NASA-CASE-LEW-12358-2] c 25 N82-21268
 One-step dual purpose joining technique
 [NASA-CASE-LAR-12595-1] c 33 N82-26571
 Advanced inorganic separators for alkaline batteries
 [NASA-CASE-LEW-13171-1] c 44 N82-29708
 Advanced inorganic separators for alkaline batteries and method of making the same
 [NASA-CASE-LEW-13171-2] c 44 N83-32176
 Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
 [NASA-CASE-LAR-12838-1] c 27 N83-34040
 Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
 [NASA-CASE-LAR-12858-1] c 27 N83-34041

- Ethynyl and substituted ethynyl-terminated polysulfones
 [NASA-CASE-LAR-12931-1] c 27 N84-22747
- Hot melt adhesive attachment pad
 [NASA-CASE-LAR-12894-1] c 27 N85-20125
- Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom
 [NASA-CASE-LAR-13262-1] c 23 N85-28973
- THERMOPLASTICITY**
 Process for preparing thermoplastic aromatic polyimides
 [NASA-CASE-LAR-11828-1] c 27 N78-32261
- Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
 [NASA-CASE-MS-C-18382-1] c 27 N82-16238
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
 [NASA-CASE-LAR-12723-2] c 27 N84-22746
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
 [NASA-CASE-LAR-12723-1] c 27 N85-20123
- Process for preparing solvent resistant, thermoplastic aromatic poly(midesulfone)
 [NASA-CASE-LAR-12588-2] c 27 N85-20124
- THERMOREGULATION**
 Garments for controlling the temperature of the body Patent
 [NASA-CASE-XMS-10269] c 05 N71-24147
- THERMOSETTING RESINS**
 Method for molding compounds Patent
 [NASA-CASE-XLA-01091] c 15 N71-10672
- Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
 [NASA-CASE-XLA-01262] c 15 N71-21404
- Honeycomb panel and method of making same Patent
 [NASA-CASE-XMF-01402] c 18 N71-21651
- Method of forming shapes from planar sheets of thermosetting materials
 [NASA-CASE-NPO-11036] c 15 N72-24522
- Highly fluorinated polyurethanes
 [NASA-CASE-NPO-10767-2] c 06 N72-27151
- Evacuated displacement compression molding
 [NASA-CASE-LAR-10782-1] c 31 N74-14133
- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
 [NASA-CASE-LAR-10489-1] c 31 N74-18124
- Evacuated, displacement compression mold --- of tubular bodies from the thermosetting plastics
 [NASA-CASE-LAR-10782-2] c 31 N75-13111
- Cork-resin ablative insulation for complex surfaces and method for applying the same
 [NASA-CASE-MFS-23626-1] c 24 N80-26388
- Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
 [NASA-CASE-NPO-10424-1] c 27 N81-24258
- Elastomer toughened polyimide adhesives
 [NASA-CASE-LAR-12775-1] c 27 N83-28240
- THERMOSTATS**
 Thermal switch Patent
 [NASA-CASE-XNP-00463] c 33 N70-36847
- Thermostatic actuator
 [NASA-CASE-NPO-10637] c 15 N72-12409
- Thermostatically controlled non-tracking type solar energy concentrator
 [NASA-CASE-NPO-13497-1] c 44 N76-14602
- THICK FILMS**
 Screened circuit capacitors
 [NASA-CASE-LAR-10294-1] c 26 N72-28762
- THICKNESS**
 Myocardium wall thickness transducer and measuring method
 [NASA-CASE-NPO-13644-1] c 52 N76-29895
- Thickness measurement system
 [NASA-CASE-MFS-23721-1] c 31 N79-28370
- Strong thin membrane structure --- solar sails
 [NASA-CASE-NPO-14021-2] c 27 N80-16163
- Liquid thickness gage
 [NASA-CASE-LAR-13342-1] c 35 N85-20297
- THIN FILMS**
 Temperature sensitive capacitor device
 [NASA-CASE-XNP-09750] c 14 N69-39937
- Means and methods of depositing thin films on substrates Patent
 [NASA-CASE-XNP-00595] c 15 N70-34967
- Method of forming thin window drifted silicon charged particle detector Patent
 [NASA-CASE-XLE-00808] c 24 N71-10560
- Vacuum deposition apparatus Patent
 [NASA-CASE-XMF-01667] c 15 N71-17647
- GaAs solar detector using manganese as a doping agent Patent
 [NASA-CASE-XNP-01328] c 26 N71-18064
- Stable amplifier having a stable quiescent point Patent
 [NASA-CASE-XGS-02812] c 09 N71-19466
- Evaporant source for vapor deposition Patent
 [NASA-CASE-XMF-06065] c 15 N71-20395
- Method of electrolytically binding a layer of semiconductors together Patent
 [NASA-CASE-XNP-01959] c 26 N71-23043
- Vacuum evaporator with electromagnetic ion steering Patent
 [NASA-CASE-NPO-10331] c 09 N71-26701
- Magnetic recording head and method of making same Patent
 [NASA-CASE-GSC-10097-1] c 08 N71-27210
- Thin film capacitive bolometer and temperature sensor Patent
 [NASA-CASE-NPO-10607] c 09 N71-27232
- Microelectronic module package Patent
 [NASA-CASE-XMS-02182] c 10 N71-28783
- Fabrication of single crystal film semiconductor devices
 [NASA-CASE-ERC-10222] c 09 N72-22199
- Active microwave inses and windows
 [NASA-CASE-LAR-10513-1] c 07 N72-25170
- Light regulator
 [NASA-CASE-LAR-10836-1] c 26 N72-27784
- Thin film microwave ins
 [NASA-CASE-LAR-10511-1] c 09 N72-29172
- Method of forming transparent films of ZnO
 [NASA-CASE-FRC-10019] c 15 N73-12487
- Light intensity strain analysis
 [NASA-CASE-LAR-10765-1] c 32 N73-20740
- Monitoring deposition of films
 [NASA-CASE-MFS-20675] c 26 N73-26751
- Holographic thin film analyzer
 [NASA-CASE-MFS-20823-1] c 16 N73-30476
- Transparent switchboard
 [NASA-CASE-MS-C-13746-1] c 10 N73-32143
- Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
 [NASA-CASE-LAR-11053-1] c 25 N74-18551
- Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
 [NASA-CASE-ARC-10643-1] c 25 N75-12087
- System for depositing thin films
 [NASA-CASE-MFS-20775-1] c 31 N75-12161
- Method of producing a storage bulb for an atomic hydrogen maser
 [NASA-CASE-NPO-13050-1] c 36 N75-15029
- Integrated structure vacuum tube
 [NASA-CASE-ARC-10445-1] c 31 N76-31365
- Method of forming metal hydride films
 [NASA-CASE-LEW-12083-1] c 37 N78-13436
- Strong thin membrane structure --- solar sails
 [NASA-CASE-NPO-14021-2] c 27 N80-16163
- Method of forming dynamic membrane on stainless steel support
 [NASA-CASE-MS-C-18172-1] c 26 N80-19237
- Partial interlaminar separation system for composites
 [NASA-CASE-LAR-12065-1] c 24 N81-14000
- Laser activated MTOS microwave device
 [NASA-CASE-NPO-16112-1] c 36 N84-12463
- Thin film strain transducer
 [NASA-CASE-WLP-10055-1] c 35 N84-28015
- Integrating IR detector imaging systems
 [NASA-CASE-NPO-15805-1] c 74 N84-28590
- Glass heating panels and method for preparing the same from architectural reflective glass
 [NASA-CASE-NPO-15753-1] c 27 N84-33589
- Epitaxial thinning process
 [NASA-CASE-NPO-15786-1] c 76 N84-35112
- Deposition of diamondlike carbon films
 [NASA-CASE-LEW-14080-1] c 31 N85-20153
- A process to produce fine line metallic collection patterns on semiconductor devices
 [NASA-CASE-NPO-16413-1] c 26 N85-21325
- THIN PLATES**
 Dichroic plate --- as bandpass filters
 [NASA-CASE-NPO-13508-1] c 35 N76-15435
- Adjustable securing base
 [NASA-CASE-MS-C-19666-1] c 37 N78-17383
- THIN WALLED SHELLS**
 Thin-walled pressure vessel Patent
 [NASA-CASE-XLE-04677] c 15 N71-10577
- THIN WALLS**
 Channel-type shell construction for rocket engines and the like Patent
 [NASA-CASE-XLE-00144] c 28 N70-34860
- Sealed separable connection Patent
 [NASA-CASE-NPO-10064] c 15 N71-17693
- Low mass truss structure
 [NASA-CASE-LAR-10546-1] c 11 N72-25287
- Differential pressure control
 [NASA-CASE-MFS-14216] c 14 N73-13418
- Method of fabricating an article with cavities --- with thin bottom walls
 [NASA-CASE-LAR-10318-1] c 31 N74-18089
- Method of fabricating an object with a thin wall having a precisely shaped slit
 [NASA-CASE-LAR-10409-1] c 31 N74-21059
- THORIUM FLUORIDES**
 Ultraviolet filter
 [NASA-CASE-XNP-02340] c 23 N69-24332
- THORIUM OXIDES**
 Nuclear thermionic converter --- tungsten-thorium oxide rods
 [NASA-CASE-NPO-13121-1] c 73 N77-18891
- THREADS**
 Inspection gage for boss Patent
 [NASA-CASE-XMF-04966] c 14 N71-17658
- Threadless fastener apparatus Patent
 [NASA-CASE-XFR-05302] c 15 N71-23254
- THREE DIMENSIONAL MOTION**
 Solid state controller three axes controller
 [NASA-CASE-MS-C-12394-1] c 08 N74-10942
- THRESHOLD GATES**
 Method and apparatus for data compression by a decreasing slope threshold test
 [NASA-CASE-NPO-10769] c 08 N72-11171
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
 [NASA-CASE-GSC-11425-2] c 76 N75-25730
- THRESHOLD LOGIC**
 SCR blocking pulse gate amplifier Patent
 [NASA-CASE-XLA-07497] c 09 N71-12514
- THROATS**
 Method of making a rocket nozzle
 [NASA-CASE-XMF-06884-1] c 20 N79-21123
- THRUST AUGMENTATION**
 Nozzle Patent
 [NASA-CASE-XLA-00154] c 28 N70-33374
- Construction and method of arranging a plurality of ion engines to form a cluster Patent
 [NASA-CASE-XNP-02923] c 28 N71-23081
- Reversed cowp flap inlet thrust augmentor --- with adjustable airfoil
 [NASA-CASE-ARC-10754-1] c 07 N75-24736
- Method and apparatus for rapid thrust increases in a turbofan engine
 [NASA-CASE-LEW-12971-1] c 07 N80-18039
- Thrust augmented spin recovery device
 [NASA-CASE-LAR-11970-2] c 08 N81-19130
- THRUST BEARINGS**
 Thrust bearing
 [NASA-CASE-LEW-11949-1] c 37 N76-29588
- THRUST CHAMBER PRESSURE**
 Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
 [NASA-CASE-LAR-12562-1] c 08 N81-26152
- THRUST CHAMBERS**
 Rocket chamber leak test fixture
 [NASA-CASE-XFR-09479] c 14 N69-27503
- Supporting and protecting device Patent
 [NASA-CASE-XMF-00580] c 11 N70-35383
- Rocket thrust chamber Patent
 [NASA-CASE-XLE-00145] c 28 N70-36806
- Method of making a rocket motor casing Patent
 [NASA-CASE-XLE-00409] c 28 N71-15658
- Rocket motor casing Patent
 [NASA-CASE-XLE-05689] c 28 N71-15659
- Rocket engine injector Patent
 [NASA-CASE-XLE-03157] c 28 N71-24736
- Injection head for delivering liquid fuel and oxidizers
 [NASA-CASE-NPO-10046] c 28 N72-17843
- Fluidic proportional thruster system
 [NASA-CASE-ARC-10106-1] c 28 N72-22769
- Ion thruster
 [NASA-CASE-LEW-10770-1] c 28 N72-22770
- Thermal flux transfer system
 [NASA-CASE-NPO-12070-1] c 28 N73-32606
- Heat exchanger --- rocket combustion chambers and cooling systems
 [NASA-CASE-LEW-12252-1] c 34 N79-13288
- Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
 [NASA-CASE-LEW-12441-1] c 34 N79-13289
- THRUST CONTROL**
 Electromechanical actuator
 [NASA-CASE-XNP-05975] c 15 N69-23185
- Apparatus and method for control of a solid fueled rocket vehicle Patent
 [NASA-CASE-XNP-00217] c 28 N70-38181
- Thrust and direction control apparatus Patent
 [NASA-CASE-XLE-03583] c 31 N71-17629
- Continuous detonation reaction engine Patent
 [NASA-CASE-XMF-06926] c 28 N71-22983
- High efficiency ionizer assembly Patent
 [NASA-CASE-XNP-01954] c 28 N71-28850

Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124

THRUST LOADS

Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382

THRUST MEASUREMENT

Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429
Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094

THRUST REVERSAL

Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

THRUST VECTOR CONTROL

Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275

THRUST-WEIGHT RATIO

Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353

THYRISTORS

Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661

TILES

Strain arrester plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456
Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335

TILT WING AIRCRAFT

Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061

TIME CONSTANT

Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964

TIME DEPENDENCE

Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651

TIME DISCRIMINATION

Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819

TIME DIVISION MULTIPLEXING

Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1-CU] c 04 N84-12151
Chopped molecular beam multiplexing system
[NASA-CASE-LAR-13174-1] c 72 N84-25431

TIME FUNCTIONS

Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659

TIME LAG

Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403

TIME MEASUREMENT

Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
Synchronization tracking in pulse position modulation receiver
[NASA-CASE-NPO-16256-1] c 32 N84-32620

TIME MEASURING INSTRUMENTS

Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357

TIME OF FLIGHT SPECTROMETERS

Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041

TIME SERIES ANALYSIS

Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240

TIME SHARING

Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507

TIME SIGNALS

System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

TIMING DEVICES

Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016

Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411

TIPS

Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

TIRES

Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091

TISSUES (BIOLOGY)

Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618

TITANATES

Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532

TITANIUM

Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944

TITANIUM ALLOYS

Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944

TITANIUM NITRIDES

Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209

TITANIUM OXIDES

Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

TOLERANCES (MECHANICS)

Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951

TOLUENE

Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255

TOMOGRAPHY

System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-2] c 35 N85-30281

TOOLS

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839

- Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- Connection system --- insuring against loss of a tool component without using multiple tethers
[NASA-CASE-MSC-20319-1] c 37 N85-21649
- TOOTH DISEASES**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- TOPOGRAPHY**
Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
- TORCHES**
Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
- Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
- Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- TOROIDAL SHELLS**
Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521
- TOROIDS**
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- TORQUE**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
- Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
- Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200
- TORQUE MOTORS**
Low speed phaselock speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
- TORQUEMETERS**
Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- TORSO**
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N85-21987
- TOUCH**
Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
- Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- TOUGHNESS**
Toughening reinforced epoxy composites with brominated polymers additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- TOWERS**
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
- TOXICITY**
Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- TOXICITY AND SAFETY HAZARD**
Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- TOXICOLOGY**
Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- TRACE CONTAMINANTS**
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
- Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1] c 31 N85-20154
- TRACE ELEMENTS**
Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
- Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
- Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- TRACKED VEHICLES**
Improvements in tank tread assemblies
[NASA-CASE-NPO-16321-1] c 37 N85-29291
- TRACKING (POSITION)**
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- System and method for tracking a signal source --- employing feedback control
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
- TRACKING FILTERS**
Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- TRACKING RADAR**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- TRACKING STATIONS**
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- TRAFFIC CONTROL**
Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888
- TRAILERS**
Low-drag ground vehicle particularly suited for use in safety transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- TRAILING EDGES**
Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- TRAILING-EDGE FLAPS**
Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- TRAINING DEVICES**
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193
- TRAINING SIMULATORS**
Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
- Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
- Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- TRAJECTORY ANALYSIS**
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
- Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
- TRAJECTORY CONTROL**
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
- Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
- TRANSDUCERS**
Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
- Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
- Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
- Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
- Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
- Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437
- Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
- Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
- Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
- LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
- Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
- Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
- Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
- Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019

- Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain
[NASA-CASE-WLP-10055-2] c 35 N85-21598
- Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
- TRANSFER FUNCTIONS**
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- TRANSFORMERS**
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
- Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
- Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
- Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146
- TRANSIENT HEATING**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373
- TRANSIENT LOADS**
Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
- TRANSISTOR AMPLIFIERS**
Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
- TRANSISTOR CIRCUITS**
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
- Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
- Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
- Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
- Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- TRANSISTORS**
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- Coaxial inverted geometry transistor having burned emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- TRANSITION FLOW**
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
- TRANSITION TEMPERATURE**
Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- TRANSLOCATIONAL MOTION**
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
- Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
- TRANSLATORS**
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
- TRANSLUCENCE**
Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- TRANSMISSION CIRCUITS**
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- TRANSMISSION EFFICIENCY**
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- TRANSMISSION LINES**
Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
- A process to produce fine line metallic collection patterns on semiconductor devices
[NASA-CASE-NPO-16413-1] c 26 N85-21325
- TRANSMISSIONS (MACHINE ELEMENTS)**
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- TRANSMISSIVITY**
Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- TRANSMITTANCE**
Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- TRANSMITTER RECEIVERS**
Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
- TRANSMITTERS**
Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
- Apparatus for endoscopic examination --- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725
- A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995
- TRANSONIC SPEED**
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
- TRANSONIC WIND TUNNELS**
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
- TRANSPARENCE**
Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N85-20128
- Process for preparing highly optically transparent-colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N85-21360
- Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- TRANSPIRATION**
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- TRANSPONDERS**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 33 N84-15395
- TRANSPORTATION**
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722

TRANSVERSE ACCELERATION

Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

TRAPS

Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652

TRAVELING WAVE AMPLIFIERS

Serrrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251

TRAVELING WAVE MASERS

Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410

TRAVELING WAVE TUBES

Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425
Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

TRAVELING WAVES

Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521

TREADMILLS

Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

TREADS

Improvements in tank tread assemblies
[NASA-CASE-NPO-16321-1] c 37 N85-29291

TRIGGER CIRCUITS

Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455

TRIGONOMETRY

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

TRIMERS

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307

TRIODES

Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156

TRITANIUM

Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728

TROPOPAUSE

CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

TRUCKS

Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

TRUSSES

Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287
Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 18 N84-16250

TUBE GRIDS

Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444

TUBE HEAT EXCHANGERS

Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

TUBES

Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
Apparatus for producing diamond-like carbon flakes
[NASA-CASE-LEW-13837-3] c 31 N85-20155

TUMBLING MOTION

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

TUMORS

Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736

TUNABLE LASERS

Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264

TUNGSTEN

Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

TUNGSTEN ALLOYS

Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279

TUNING

Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N85-20248
Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947

TUNNEL DIODES

Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317

TUNNELING (EXCAVATION)

Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272

TUNNELS

Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540

TURBINE BLADES

Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493

TURBINE ENGINES

High speed, self-acting shaft seal --- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715

TURBINE PUMPS

Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188

TURBINE WHEELS

Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116

TURBINES

Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282

TURBOCOMPRESSORS

Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808

TURBOFAN ENGINES

Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226

Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

TURBOFANS
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059

TURBOGENERATORS
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018

TURBOJET ENGINE CONTROL
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116

TURBOJET ENGINES
Telescoping-spikè supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

TURBOMACHINE BLADES
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658

TURBOMACHINERY
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
Improved compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N84-22959
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N85-30341

TURBOSHAFTS
Optical torqueometer Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
High speed, self-acting shaft seal --- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631

TURBULENCE METERS
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

TURBULENT BOUNDARY LAYER
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

TURBULENT FLOW
Exhaust flow deflector --- for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639

TURNSTILE ANTENNAS
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
Broadband modified turnstile antenna Patent
[NASA-CASE-MS-C-12209] c 09 N71-24842
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372

TURRET

Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182

TWISTING

Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

TWO BODY PROBLEM

Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

TWO DIMENSIONAL BODIES

Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751

TWO PHASE FLOW

Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192

Booster tank system Patent
[NASA-CASE-MS-C-12390] c 27 N71-29155

Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292

Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335

Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282

TYPEWRITERS

Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

U**U BENDS**

Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679

Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

ULCERS

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

ULLAGE

Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MS-C-12280] c 27 N71-16348

ULTRAHIGH FREQUENCIES

Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372

Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

ULTRAHIGH VACUUM

Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688

Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390

Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324

In situ transfer standard for ultrahigh vacuum gauge calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092

Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286

ULTRAPURE METALS

Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890

ULTRASONIC AGITATION

Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514

ULTRASONIC CLEANING

Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

ULTRASONIC FLAW DETECTION

Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MS-C-19672-1] c 38 N79-14398

Ultrasonic angle beam standard reflector
[NASA-CASE-LAR-13153-1] c 71 N84-21274

Two-dimensional scanner apparatus --- flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928

ULTRASONIC RADIATION

Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771

Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282

Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618

ULTRASONIC TESTS

Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415

Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130

Method and apparatus for nondestructive testing --- using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395

CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512

ULTRASONIC WAVE TRANSDUCERS

Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514

Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271

Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 34 N75-27760

Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432

Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751

CDS solid state phase insensitive ultrasonic transducer --- annealing dadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559

Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932

Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913

ULTRASONIC WELDING

Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

ULTRASONICS

Methods and apparatus employing vibratory energy for wrenching Patents
[NASA-CASE-MFS-20586] c 15 N71-17686

Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390

Method for ultrasonic bonding to soft microelectronic substrates
[NASA-CASE-NPO-16087-1] c 33 N85-29151

Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282

Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618

ULTRAVIOLET FILTERS

Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332

Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521

ULTRAVIOLET LASERS

Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826

ULTRAVIOLET RADIATION

Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979

Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521

Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896

Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443

Transmitting and reflecting diffuser --- for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156

Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066

Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
 [NASA-CASE-NPO-13346-1] c 36 N76-29575
 Ultraviolet and thermally stable polymer compositions
 [NASA-CASE-ARC-10592-2] c 27 N76-32315
 Ultra-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
 [NASA-CASE-MS-C-1074-1] c 27 N80-26446

ULTRAVIOLET REFLECTION
 Alkali metal silicate protective coating Patent
 [NASA-CASE-XGS-04799] c 18 N71-24183
 Ultraviolet light reflective coating
 [NASA-CASE-GSC-11786-1] c 24 N76-24363
 Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
 [NASA-CASE-LAR-10385-3] c 74 N78-15879

ULTRAVIOLET SPECTRA
 Ultraviolet atomic emission detector
 [NASA-CASE-HQN-10756-1] c 14 N72-25428

ULTRAVIOLET SPECTROMETERS
 Concave grating spectrometer Patent
 [NASA-CASE-XGS-01036] c 14 N70-40003
 Telespectrograph Patent
 [NASA-CASE-XLA-03273] c 14 N71-18699

UMBILICAL CONNECTORS
 Umbilical separator for rockets Patent
 [NASA-CASE-XNP-00425] c 11 N70-38202
 Umbilical disconnect Patent
 [NASA-CASE-XLA-00711] c 03 N71-12258
 Remote controlled tubular disconnect Patent
 [NASA-CASE-XLA-01396] c 03 N71-12259
 Serpentiurator Patent
 [NASA-CASE-XMF-05344] c 31 N71-16345
 Breakaway connector
 [NASA-CASE-NPO-11140] c 15 N72-17455
 Quick disconnect coupling
 [NASA-CASE-NPO-11202] c 15 N72-25450
 Deployable flexible tunnel
 [NASA-CASE-MFS-22636-1] c 37 N76-22540
 High acceleration cable deployment system
 [NASA-CASE-ARC-11256-1] c 15 N82-24272

UMBILICAL TOWERS
 Emergency escape system Patent
 [NASA-CASE-XKS-02342] c 05 N71-11199

UNDERWATER ENGINEERING
 Ejectable underwater sound source recovery assembly
 [NASA-CASE-LAR-10595-1] c 35 N74-16135
 Underwater seismic source --- for petroleum exploration
 [NASA-CASE-NPO-14255-1] c 46 N79-23555

UNDERWATER TESTS
 Underwater space suit pressure control regulator
 [NASA-CASE-MFS-20332] c 05 N72-20097
 Underwater space suit pressure control regulator
 [NASA-CASE-MFS-20332-2] c 05 N73-25125

UNIFORM FLOW
 Wind tunnel flow generation section
 [NASA-CASE-ARC-10710-1] c 09 N75-12969

UNIONS (CONNECTORS)
 Beam connector apparatus and assembly
 [NASA-CASE-MFS-25134-1] c 31 N83-31895

UNLOADING
 Bootstrap unloader Patent
 [NASA-CASE-XNP-09768] c 09 N71-12516

UNMANNED SPACECRAFT
 Material handling device Patent
 [NASA-CASE-XNP-09770-3] c 11 N71-27036

UNSATURATION (CHEMISTRY)
 Stabilized unsaturated polyesters
 [NASA-CASE-NPO-16103-1] c 27 N85-29043

UP-CONVERTERS
 Method and apparatus for quadrupole-shift-key and linear phase modulation
 [NASA-CASE-NPO-14444-1] c 33 N81-15192

UPPER ATMOSPHERE
 Telespectrograph Patent
 [NASA-CASE-XLA-03273] c 14 N71-18699
 Apparatus for sampling particulates in gases
 [NASA-CASE-HQN-10037-1] c 14 N73-27376
 Rocket having banum release system to create ion clouds in the upper atmosphere
 [NASA-CASE-LAR-10670-2] c 15 N74-27360
 Microwave limb sounder --- measuring trace gases in the upper atmosphere
 [NASA-CASE-NPO-14544-1] c 46 N82-12685

URANIUM 235
 Isotope separation using metallic vapor lasers
 [NASA-CASE-NPO-13550-1] c 36 N77-26477

UREAS
 Aldehyde-containing urea-absorbing polysaccharides
 [NASA-CASE-NPO-13620-1] c 27 N77-30236
 Dialysis system --- using ion exchange resin membranes permeable to urea molecules
 [NASA-CASE-NPO-14101-1] c 52 N80-14687

Reverse osmosis membrane of high urea rejection properties --- water purification
 [NASA-CASE-ARC-10980-1] c 27 N80-23452

URETHANES
 Viscoelastic cationic polymers containing the urethane linkage
 [NASA-CASE-NPO-10830-1] c 27 N81-15104

URINALYSIS
 Automated fluid chemical analyzer Patent
 [NASA-CASE-XNP-09451] c 06 N71-26754
 Method of detecting and counting bacteria in body fluids
 [NASA-CASE-GSC-11092-2] c 04 N73-27052
 Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
 [NASA-CASE-GSC-11169-2] c 05 N73-32011
 Determination of antimicrobial susceptibilities on infected urnes without isolation
 [NASA-CASE-GSC-12046-1] c 52 N79-14750

URINATION
 Open type urine receptacle
 [NASA-CASE-MS-C-12324-1] c 05 N72-22093
 Urine collection device
 [NASA-CASE-MS-C-16433-1] c 52 N81-24711
 Urine collection apparatus --- feminine hygiene
 [NASA-CASE-MS-C-18381-1] c 52 N81-28740

URINE
 Urine collection device
 [NASA-CASE-MS-C-16433-1] c 52 N78-27750

UROLOGY
 Urine collection device
 [NASA-CASE-MS-C-16433-1] c 52 N81-24711

UTERUS
 Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
 [NASA-CASE-GSC-12081-2] c 52 N82-22875

V

V GROOVES
 Vee-notching device --- with adjustable carriage
 [NASA-CASE-MFS-20730-1] c 39 N74-13131
 Complementary DMOS-VMOS integrated circuit structure
 [NASA-CASE-GSC-12190-1] c 33 N79-12321
 High voltage v-groove solar cell
 [NASA-CASE-LEW-13401-2] c 44 N83-32177

VACANCIES (CRYSTAL DEFECTS)
 Bimetallic junctions
 [NASA-CASE-LEW-11573-1] c 26 N77-28265

VACUUM
 Depositing semiconductor films utilizing a thermal gradient
 [NASA-CASE-XKS-04614] c 15 N69-21460
 Superconducting magnet Patent
 [NASA-CASE-XNP-06503] c 23 N71-29049
 Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
 [NASA-CASE-LEW-12174-2] c 35 N79-14346
 Bakeable McLeod gauge
 [NASA-CASE-XGS-01293-1] c 35 N79-33450
 Spray applicator for spraying coatings and other fluids in space
 [NASA-CASE-MS-C-18852-1] c 37 N85-29283

VACUUM APPARATUS
 Null-type vacuum microbalance Patent
 [NASA-CASE-XAC-00472] c 15 N70-40180
 Evacuation port seal Patent
 [NASA-CASE-XMF-03290] c 15 N71-23256
 Apparatus for testing polymeric materials Patent
 [NASA-CASE-XNP-09699] c 06 N71-24607
 Trap for preventing diffusion pump backstreaming
 [NASA-CASE-GSC-10518-1] c 15 N72-22489
 Inductance device with vacuum insulation
 [NASA-CASE-LEW-10330-1] c 09 N72-27226
 Apparatus for producing metal powders
 [NASA-CASE-XLE-06461-2] c 17 N72-28535
 Vacuum probe surface sampler
 [NASA-CASE-LAR-10623-1] c 14 N73-30395
 Vacuum leak detector
 [NASA-CASE-LAR-11237-1] c 35 N75-19612
 Apparatus for positioning modular components on a vertical or overhead surface
 [NASA-CASE-LAR-11465-1] c 37 N76-21554
 Safety shield for vacuum/pressure chamber viewing port
 [NASA-CASE-GSC-12513-1] c 31 N81-19343
 Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
 [NASA-CASE-NPO-15227-1] c 37 N81-33482
 Static continuous electrophoresis device
 [NASA-CASE-MFS-25306-1] c 25 N83-13187

Method and apparatus for supercooling and solidifying substances
 [NASA-CASE-MFS-25242-1] c 35 N83-29650
 Optical multiple sample vacuum integrating sphere
 [NASA-CASE-GSC-12849-1] c 74 N84-15960

VACUUM CHAMBERS
 High-vacuum condenser tank for ion rocket tests Patent
 [NASA-CASE-XLE-00168] c 11 N70-33278
 Split welding chamber Patent
 [NASA-CASE-LEW-11531] c 15 N71-14932
 Space environmental work simulator Patent
 [NASA-CASE-XMF-07488] c 11 N71-18773
 Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
 [NASA-CASE-XLE-00787] c 14 N71-21090
 Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
 [NASA-CASE-XER-11203] c 14 N71-28994
 Cryogenic feedthrough
 [NASA-CASE-LAR-10031] c 15 N72-22484
 Altitude simulation chamber for rocket engine testing
 [NASA-CASE-MFS-20620] c 11 N72-27262
 Evacuation valve
 [NASA-CASE-LAR-10061-1] c 15 N72-31483
 Method and apparatus for determining the contents of contained gas samples
 [NASA-CASE-GSC-10903-1] c 14 N73-12444
 Test stand system for vacuum chambers
 [NASA-CASE-MFS-21362] c 11 N73-20267
 Atomic hydrogen storage --- cryotrapping and magnetic field strength
 [NASA-CASE-LEW-12081-2] c 28 N80-20402
 Containerless high temperature calorimeter apparatus
 [NASA-CASE-MFS-23923-1] c 35 N81-19426
 Hermetic seal for a shaft
 [NASA-CASE-NPO-15115-1] c 37 N82-24493
 Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
 [NASA-CASE-MFS-15670-1] c 33 N82-33634
 Sphere forming method and apparatus
 [NASA-CASE-NPO-15070-1] c 31 N83-35176
 Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
 [NASA-CASE-MFS-256704-1] c 33 N84-22884

VACUUM DEPOSITION
 A method for the deposition of beta-silicon carbide by isoeptaxy
 [NASA-CASE-ERC-10120] c 26 N69-33482
 Vacuum deposition apparatus Patent
 [NASA-CASE-XMF-01667] c 15 N71-17647
 Evaporant source for vapor deposition Patent
 [NASA-CASE-XMF-06065] c 15 N71-20395
 Vacuum evaporator with electromagnetic ion steering Patent
 [NASA-CASE-NPO-10331] c 09 N71-26701
 Preparation of dielectric coating of variable dielectric constant by plasma polymerization
 [NASA-CASE-ARC-10892-2] c 27 N79-14214
 Refractory coatings and method of producing the same
 [NASA-CASE-LEW-13169-1] c 26 N82-29415
 Apparatus for producing diamond-like carbon flakes
 [NASA-CASE-LEW-13837-3] c 31 N85-20155
 Diamondlike flakes
 [NASA-CASE-LEW-13837-2] c 24 N85-21267

VACUUM EFFECTS
 High power RF coaxial switch
 [NASA-CASE-NPO-14229-1] c 33 N80-18285

VACUUM FURNACES
 Apparatus for inserting and removing specimens from high temperature vacuum furnaces
 [NASA-CASE-LAR-10841-1] c 31 N74-27900

VACUUM GAGES
 Thermopile vacuum gage tube simulator Patent
 [NASA-CASE-XLA-02758] c 14 N71-18481
 Gauge calibration by diffusion
 [NASA-CASE-XGS-07752] c 14 N73-30390
 Ultrahigh vacuum measuring ionization gage
 [NASA-CASE-XLA-05087] c 14 N73-30391
 In situ transfer standard for ultrahigh vacuum gage calibration
 [NASA-CASE-LAR-10862-1] c 35 N74-15092

VACUUM MELTING
 High temperature furnace for melting materials in space
 [NASA-CASE-MFS-20710] c 11 N72-23215

VACUUM PUMPS
 Pressure control valve --- inflating flexible bladders
 [NASA-CASE-ARC-11251-1] c 37 N81-17433

VACUUM SYSTEMS
 Shrink-fit gas valve Patent
 [NASA-CASE-XGS-00587] c 15 N70-35087
 Cryogenic connector for vacuum use Patent
 [NASA-CASE-XGS-02441] c 15 N70-41629

Ionization vacuum gauge with all but the end of the ion collector shielded Patent
 [NASA-CASE-XLA-07424] c 14 N71-18482
 Sorption vacuum trap Patent
 [NASA-CASE-XER-09519] c 14 N71-18483
 Vacuum leak detector
 [NASA-CASE-LAR-11237-1] c 35 N75-19612
 Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
 [NASA-CASE-LAR-12847-1] c 33 N83-16633

VACUUM TUBES

Integrated structure vacuum tube
 [NASA-CASE-ARC-10445-1] c 31 N76-31365
 Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
 [NASA-CASE-NPO-14474-1] c 26 N80-14229

VALUE

High impact pressure regulator Patent
 [NASA-CASE-NPO-10175] c 14 N71-18625

VALVES

Valve actuator Patent
 [NASA-CASE-XHQ-01208] c 15 N70-35409
 Fluid coupling Patent
 [NASA-CASE-XLE-00397] c 15 N70-36492
 High pressure four-way valve Patent
 [NASA-CASE-XNP-00214] c 15 N70-36908
 Reinforcing means for diaphragms Patent
 [NASA-CASE-XNP-01962] c 32 N70-41370
 Multway vortex valve system Patent
 [NASA-CASE-XMF-04709] c 15 N71-15609
 Multiple orifice throttle valve Patent
 [NASA-CASE-XNP-09698] c 15 N71-18580
 High pressure air valve Patent
 [NASA-CASE-MS-11010] c 15 N71-19485
 Valve seat with resilient support member Patent
 [NASA-CASE-XKS-02582] c 15 N71-21234
 Positive locking check valve Patent
 [NASA-CASE-XMS-09310] c 15 N71-22706
 Dual latching solenoid valve Patent
 [NASA-CASE-XMS-05890] c 09 N71-23191
 Valve seat
 [NASA-CASE-NPO-10606] c 15 N72-25451
 Evacuation valve
 [NASA-CASE-LAR-10061-1] c 15 N72-31483
 Flow control valve --- for high temperature fluids
 [NASA-CASE-NPO-11951-1] c 37 N74-21065
 Airlock
 [NASA-CASE-MFS-20922-1] c 18 N74-22136
 Reciprocating engines
 [NASA-CASE-MS-16239-1] c 37 N81-32510
 Prosthetic occlusive device for an internal passageway
 [NASA-CASE-MFS-25740-1] c 52 N84-11744
 Moisture content and gas sampling device
 [NASA-CASE-MS-18866-1] c 35 N85-29213
 Linear motion valve
 [NASA-CASE-MS-20148-1] c 37 N85-29284
 Reactant pressure differential control for fuel cell gases
 [NASA-CASE-MS-20127-2] c 37 N85-34403

VANES

Solar vane actuator Patent
 [NASA-CASE-XNP-05535] c 14 N71-23040
 Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards
 [NASA-CASE-NPO-11418-1] c 14 N73-13420
 Amplified wind turbine apparatus
 [NASA-CASE-MFS-23830-1] c 44 N82-24639
 Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
 [NASA-CASE-LEW-13343-1] c 27 N82-28441

VAPOR DEPOSITION

A method for the deposition of beta-silicon carbide by isoeptaxy
 [NASA-CASE-ERC-10120] c 26 N69-33482
 Apparatus for producing high purity silicon carbide crystals Patent
 [NASA-CASE-XLA-02057] c 26 N70-40015
 Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
 [NASA-CASE-XNP-01961] c 26 N71-29156
 Tungsten contacts on silicon substrates
 [NASA-CASE-GSC-10695-1] c 09 N72-25259
 Deposition apparatus
 [NASA-CASE-LAR-10541-1] c 15 N72-32487
 Deposition of alloy films --- on irregularly shaped metal object
 [NASA-CASE-LEW-11262-1] c 27 N74-13270
 System for depositing thin films
 [NASA-CASE-MFS-20775-1] c 31 N75-12161
 Vapor deposition apparatus --- semiconductors and gallium arsenides
 [NASA-CASE-HQN-10462] c 25 N75-29192

Chemical vapor deposition reactor --- providing uniform film thickness
 [NASA-CASE-NPO-13650-1] c 25 N79-28253
 Corrosion resistant coating
 [NASA-CASE-NPO-15928-1] c 26 N85-29005

VAPOR PHASES

Fluid dispensing apparatus and method Patent
 [NASA-CASE-XLE-01182] c 27 N71-15635
 Simple method of making photovoltaic junctions Patent
 [NASA-CASE-XNP-01960] c 09 N71-23027
 Fluid phase analyzer Patent
 [NASA-CASE-NPO-10691] c 14 N71-26199
 Propellant mass distribution metering apparatus Patent
 [NASA-CASE-NPO-10185] c 10 N71-26339

VAPOR PRESSURE

Venting vapor apparatus Patent
 [NASA-CASE-XLE-00288] c 15 N70-34247
 Vapor liquid separator Patent
 [NASA-CASE-XMF-04042] c 15 N71-23023
 Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
 [NASA-CASE-NPO-15021-1] c 36 N83-10417

VAPOR TRAPS

Sorption vacuum trap Patent
 [NASA-CASE-XER-09519] c 14 N71-18483

VAPORIZERS

Boiler for generating high quality vapor Patent
 [NASA-CASE-XLE-00785] c 33 N71-16104
 Particle analyzing method and apparatus
 [NASA-CASE-NPO-15292-1] c 35 N83-27184
 Continuous laminar smoke generator
 [NASA-CASE-LAR-13014-1] c 09 N85-21178

VAPORIZING

Gas liquefaction and dispensing apparatus Patent
 [NASA-CASE-NPO-10070] c 15 N71-27372
 Method for controlling vapor content of a gas
 [NASA-CASE-NPO-10633] c 03 N72-28025

VAPORS

Propulsion apparatus and method using boil-off gas from a cryogenic liquid --- controlling spacecraft attitude and drag
 [NASA-CASE-MFS-25946-1] c 20 N84-15183

VARIABLE DIODE CIRCUITS

Phase modulator Patent
 [NASA-CASE-MS-13201-1] c 07 N71-28429

VARIABLE DIODES

Varactor high level mixer
 [NASA-CASE-XGS-02171] c 09 N69-24324
 Multiple varactor frequency doubler Patent
 [NASA-CASE-XMF-04958-1] c 10 N71-26414
 Millimeter wave pumped parametric amplifier
 [NASA-CASE-GSC-11617-1] c 33 N74-32660
 Maser cavity servo-tuning system
 [NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

VARIABILITY

Variable speed drive
 [NASA-CASE-GSC-12643-1] c 37 N83-26078
 Slotted variable camber flap
 [NASA-CASE-LAR-12541-1] c 05 N84-22551

VARIABLE CYCLE ENGINES

Dual cycle aircraft turbine engine
 [NASA-CASE-LAR-11310-1] c 07 N77-28118
 Variable cycle gas turbine engines
 [NASA-CASE-LEW-12916-1] c 37 N78-17384
 Variable mixer propulsion cycle
 [NASA-CASE-LEW-12917-1] c 07 N78-18067

VARIABLE GEOMETRY STRUCTURES

Landing arrangement for aerial vehicles Patent
 [NASA-CASE-XLA-00142] c 02 N70-33286
 Variable geometry wind tunnels
 [NASA-CASE-XLA-07430] c 11 N72-22246
 Aircraft engine nozzle
 [NASA-CASE-ARC-10977-1] c 07 N80-32392

VARIABLE PITCH PROPELLERS

Dual output variable pitch turbofan actuation system
 [NASA-CASE-LEW-12419-1] c 07 N77-14025
 Impact absorbing blade mounts for variable pitch blades
 [NASA-CASE-LEW-12313-1] c 37 N78-10468

VARIABLE SWEEP WINGS

Variable sweep wing configuration Patent
 [NASA-CASE-XLA-00230] c 02 N70-33255
 Variable sweep wing aircraft Patent
 [NASA-CASE-XLA-00221] c 02 N70-33266
 Variable-span aircraft Patent
 [NASA-CASE-XLA-00166] c 02 N70-34178
 Variable sweep aircraft wing Patent
 [NASA-CASE-XLA-00350] c 02 N70-38011
 Variable sweep aircraft Patent
 [NASA-CASE-XLA-03659] c 02 N71-11041
 Dual-fuselage aircraft having yawable wing and horizontal stabilizer
 [NASA-CASE-ARC-10470-1] c 02 N73-26005

VARIABLE THRUST

Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
 [NASA-CASE-XMF-00923] c 28 N70-36802
 Method for continuous variation of propellant flow and thrust in propulsive devices Patent
 [NASA-CASE-XLE-00177] c 28 N70-40367
 Variable thrust nozzle for quiet turbofan engine and method of operating same
 [NASA-CASE-LEW-12317-1] c 07 N78-17055

VARIATIONS

Bidirectional step torque filter with zero backlash characteristic Patent
 [NASA-CASE-XGS-04227] c 15 N71-21744

VECTOR ANALYSIS

Two force component measuring device Patent
 [NASA-CASE-XAC-04886-1] c 14 N71-20439

VECTORCARDIOGRAPHY

Biomedical electrode arrangement Patent
 [NASA-CASE-XFR-10856] c 05 N71-11189

VEGETATION GROWTH

Rotary plant growth accelerating apparatus --- weightlessness
 [NASA-CASE-ARC-10722-1] c 51 N75-25503
 Remote sensing of vegetation and soil using microwave ellipsometry
 [NASA-CASE-GSC-11976-1] c 43 N78-10529
 Enhancement of in vitro guayule propagation
 [NASA-CASE-NPO-15213-1] c 51 N83-17045

VEHICLE WHEELS

Deformable vehicle wheel Patent
 [NASA-CASE-MFS-20400] c 31 N71-18611
 Resilient wheel Patent
 [NASA-CASE-MFS-13929] c 15 N71-27091
 Omnidirectional wheel
 [NASA-CASE-MFS-21309-1] c 37 N74-18125
 Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
 [NASA-CASE-MFS-20645-1] c 37 N74-23070
 Fifth wheel
 [NASA-CASE-FRC-10081-1] c 37 N77-14477
 Improved tire/wheel concept --- pneumatic aircraft tire
 [NASA-CASE-LAR-11695-2] c 37 N80-18402
 Tire/wheel concept
 [NASA-CASE-LAR-11695-2] c 37 N81-24443
 Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
 [NASA-CASE-NPO-14395-1] c 37 N82-21587

VEHICLES

Magnetic suspension and pointing system
 [NASA-CASE-LAR-11889-2] c 37 N78-27424

VEHICULAR TRACKS

Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
 [NASA-CASE-NPO-14395-1] c 37 N82-21587
 Improvements in tank tread assemblies
 [NASA-CASE-NPO-16321-1] c 37 N85-29291

VELOCITY

Velocity limiting safety system Patent
 [NASA-CASE-XLA-07473] c 15 N71-24895

VELOCITY COUPLING

Coupled cavity traveling wave tube with velocity tapering
 [NASA-CASE-LEW-12296-1] c 33 N82-26568

VELOCITY MEASUREMENT

Micrometeoroid velocity measuring device Patent
 [NASA-CASE-XLA-00495] c 14 N70-41332
 Superconductive accelerometer Patent
 [NASA-CASE-XMF-01099] c 14 N71-15969
 Gravimeter Patent
 [NASA-CASE-XMF-05844] c 14 N71-17587
 Laser Doppler system for measuring three dimensional vector velocity Patent
 [NASA-CASE-MFS-20386] c 21 N71-19212
 Particle detection apparatus including a ballistic pendulum Patent
 [NASA-CASE-XMS-04201] c 14 N71-22990
 Angular velocity and acceleration measuring apparatus
 [NASA-CASE-ERC-10292] c 14 N72-25410
 Flow velocity and directional instrument
 [NASA-CASE-LAR-10855-1] c 14 N73-13415
 Doppler shift system --- system for measuring velocities of radiating particles
 [NASA-CASE-HQN-10740-1] c 72 N74-19310
 Tachometer
 [NASA-CASE-MFS-23175-1] c 35 N77-30436
 Velocity measurement system
 [NASA-CASE-MFS-23363-1] c 35 N78-32396
 Fluid velocity measuring device
 [NASA-CASE-LAR-11729-1] c 34 N79-12359
 Air speed and attitude probe
 [NASA-CASE-FRC-11009-1] c 06 N80-18036
 Spinning disk calibration method and apparatus for laser Doppler velocimeter
 [NASA-CASE-ARC-11510-1] c 35 N84-25015

- Improved fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N85-30286
- VELOCITY MODULATION**
Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425
- VENTILATION**
Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- VENTILATORS**
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- VENTING**
Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
- VENUS (PLANET)**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- VERTICAL FLIGHT**
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- VERTICAL LANDING**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- VERTICAL ORIENTATION**
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493
- VERTICAL TAKEOFF AIRCRAFT**
Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
- VERY HIGH FREQUENCIES**
VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
- VERY LARGE SCALE INTEGRATION**
Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N85-20250
Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- VERY LONG BASE INTERFEROMETRY**
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- VESTS**
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
- VIBRATION**
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] c 71 N84-16948
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- VIBRATION DAMPING**
Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N85-20377
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333
- VIBRATION EFFECTS**
Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
- Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404
- VIBRATION ISOLATORS**
Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333
- VIBRATION MEASUREMENT**
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299
- VIBRATION METERS**
Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- VIBRATION MODE**
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- VIBRATION SIMULATORS**
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- VIBRATION TESTS**
Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
- VIBRATIONAL SPECTRA**
Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- VIDEO COMMUNICATION**
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- VIDEO DATA**
Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
- Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
- VIDEO EQUIPMENT**
Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235
Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
- VIDEO SIGNALS**
Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- VIDICONS**
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
- VIEWING**
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- VINYL COPOLYMERS**
Vinyl styrylpyridines and their copolymerization with bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341
- VINYL POLYMERS**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- VINYLDIENE**
Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- VIROSES**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- VISCOELASTICITY**
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- VISCOMETERS**
Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- VISCOSITY**
Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124
Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
Melt-flow-toughness modified polyimide
[NASA-CASE-LAR-13135-1] c 27 N84-34616
- VISCOUS DAMPING**
Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

VISIBILITY

VISIBILITY

Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748

Reusable captive blind fastener
[NASA-CASE-MS-C-18742-1] c 37 N82-26673

VISIBLE SPECTRUM

Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

VISION

Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117

VISORS

Anti-fog composition -- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MS-C-13530-2] c 23 N75-14834

VISUAL ACUITY

Multiparameter vision testing apparatus
[NASA-CASE-MS-C-13601-2] c 54 N75-27759

VISUAL CONTROL

Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499

Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

VISUAL FIELDS

Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072

Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793

Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882

Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193

VISUAL OBSERVATION

Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396

VISUAL PERCEPTION

Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074

Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522

VISUAL STIMULI

Reaction tester
[NASA-CASE-MS-C-13604-1] c 05 N73-13114

VOICE COMMUNICATION

Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958

Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621

Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108

Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MS-C-14219-1] c 32 N74-27612

Filtering device -- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366

Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372

Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

VOICE DATA PROCESSING

Digital communication system
[NASA-CASE-MS-C-13912-1] c 32 N74-30524

A method and apparatus for operating on companded PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N85-29120

VOLATILITY

Apparatus for testing polymenc materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607

VOLT-AMPERE CHARACTERISTICS

Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578

The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428

Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

VOLTAGE AMPLIFIERS

Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798

Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516

Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172

Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200

Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

VOLTAGE CONTROLLED OSCILLATORS

Pulsed phase locked loop strain monitor -- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626

Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N83-35228

VOLTAGE CONVERTERS (DC TO DC)

Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049

The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428

Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333

Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365

Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LW-12791-1] c 33 N78-32341

Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392

Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404

Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494

A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453

Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663

VOLTAGE GENERATORS

Pulsed energy power system Patent
[NASA-CASE-MS-C-13112] c 03 N71-11057

Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342

Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926

Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252

Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551

Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953

VOLTAGE REGULATORS

Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330

Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888

Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986

Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987

Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449

High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583

Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543

Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882

Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085

Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244

Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626

Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606

Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157

Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243

Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252

Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049

Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929

Low distortion automatic phase control circuit -- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885

Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521

Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295

Voltage regulator for battery power source -- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345

Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392

Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360

Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418

Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885

High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146

VOLTMETERS

Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521

VOLUMETRIC ANALYSIS

Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307

VOMITING

Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333

VORTEX BREAKDOWN

Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

VORTEX FLAPS

Leading edge vortex flaps for drag reduction -- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

VORTEX GENERATORS

Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609

Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423

Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433

Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194

VORTICES

Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108

Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715

VULCANIZING

Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124

W

WAFERS

Apparatus and method for separating a semiconductor wafer Patent

[NASA-CASE-ERC-10138] c 26 N71-14354

Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703

Scraper for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469

Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634

High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884

Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765

Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112

Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113

- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N85-20535
- Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- WALL TEMPERATURE**
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- WALLS**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- WARNING SYSTEMS**
Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
- Unsaturation saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
- Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
- Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
- Hearing aid malfunction detection system
[NASA-CASE-MS-C-14916-1] c 33 N78-10375
- Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- WASHING**
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- WASTE DISPOSAL**
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- An airtlock
[NASA-CASE-MFS-20922] c 31 N72-20840
- Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- Reduced gravity fecal collector seat and urnal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- Airtlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- Automatic biowaste sampling
[NASA-CASE-MS-C-14640-1] c 54 N76-14804
- Absorbent product and articles made therefrom
[NASA-CASE-MS-C-18223-2] c 54 N84-11758
- WASTE ENERGY UTILIZATION**
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- WASTE HEAT**
Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- WASTE UTILIZATION**
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MS-C-16258-1] c 45 N79-12584
- WASTE WATER**
Water system virus detection
[NASA-CASE-MS-C-16098-1] c 51 N79-10693
- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
- WATER**
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
- Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
- Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
- WATER FLOW**
Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
- WATER INJECTION**
Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
- WATER LANDING**
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
- Emergency earth orbital escape device
[NASA-CASE-MS-C-13281] c 31 N72-18859
- WATER MANAGEMENT**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MS-C-10960-1] c 03 N71-24718
- Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701
- WATER POLLUTION**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MS-C-16777-1] c 51 N80-27067
- WATER QUALITY**
Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MS-C-16841-1] c 34 N79-24285
- Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- WATER RECLAMATION**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- Water system virus detection
[NASA-CASE-MS-C-16098-1] c 51 N79-10693
- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- WATER RESOURCES**
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
- WATER TEMPERATURE**
Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- WATER TREATMENT**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MS-C-10960-1] c 03 N71-24718
- Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- Iodine generator for reclaimed water purification
[NASA-CASE-MS-C-14632-1] c 54 N78-14784
- Water system virus detection
[NASA-CASE-MS-C-16098-1] c 51 N79-10693
- Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MS-C-16258-1] c 45 N79-12584
- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
- WATER VAPOR**
Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
- Cell and method for electrolysis of water and anode
[NASA-CASE-MS-C-16394-1] c 28 N81-24280
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- WATER WAVES**
Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- WATERPROOFING**
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281
- WATERWAVE ENERGY CONVERSION**
Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- WAVE AMPLIFICATION**
Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919
- WAVE DIFFRACTION**
Diffractoid grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- WAVE FRONT RECONSTRUCTION**
Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
- WAVE GENERATION**
Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
- Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223
- Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] c 71 N84-16948
- WAVE INTERACTION**
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- WAVE PROPAGATION**
Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
- WAVE REFLECTION**
Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
- Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- WAVE RESISTANCE**
Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145
- WAVE SCATTERING**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- WAVEFORMS**
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
- Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

Family of frequency to amplitude converters
 [NASA-CASE-MSC-12395] c 09 N72-25257
 Apparatus for statistical time-series analysis of electrical signals
 [NASA-CASE-MSC-12428-1] c 10 N73-25240
 Low distortion receiver for bi-level baseband PCM waveforms
 [NASA-CASE-MSC-14557-1] c 32 N76-16249
 Speech analyzer
 [NASA-CASE-GSC-11898-1] c 32 N77-30309
 Lightning current waveform measuring system
 [NASA-CASE-KSC-11018-1] c 33 N79-10337

WAVEGUIDE ANTENNAS
 Virtual wall slot circularly polarized planar array antenna
 [NASA-CASE-NPO-10301] c 07 N72-11148

WAVEGUIDE FILTERS
 High power microwave power divider Patent
 [NASA-CASE-NPO-11031] c 07 N71-33606

WAVEGUIDE WINDOWS
 Broadband microwave waveguide window Patent
 [NASA-CASE-XNP-08880] c 09 N71-24808

WAVEGUIDES
 Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
 [NASA-CASE-XNP-03134] c 07 N71-10676
 Folded traveling wave maser structure Patent
 [NASA-CASE-XNP-05219] c 16 N71-15550
 Quasi-optical microwave component Patent
 [NASA-CASE-ERC-10011] c 07 N71-29065
 Waveguide mixer
 [NASA-CASE-ERC-10179] c 07 N72-20141
 Active microwave inses and windows
 [NASA-CASE-LAR-10513-1] c 07 N72-25170
 Thin film microwave ins
 [NASA-CASE-LAR-10511-1] c 09 N72-29172
 Resonant waveguide stark cell --- using microwave spectrometers
 [NASA-CASE-LAR-11352-1] c 33 N75-26245
 Diffused waveguiding capillary tube with distributed feedback for a gas laser
 [NASA-CASE-NPO-13544-1] c 36 N76-18428
 Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
 [NASA-CASE-NPO-14254-1] c 36 N80-18372
 Support assembly for cryogenically coolable low-noise choke waveguide
 [NASA-CASE-NPO-14253-1] c 32 N80-32605
 Coaxial phased array antenna
 [NASA-CASE-MSC-16800-1] c 32 N81-14187
 Coupled cavity traveling wave tube with velocity tapering
 [NASA-CASE-LEW-12296-1] c 33 N82-26568
 Waveguide cooling system
 [NASA-CASE-NPO-15401-1] c 32 N83-27085

WAVELENGTHS
 Method and apparatus for wavelength tuning of liquid lasers
 [NASA-CASE-ERC-10187] c 16 N69-31343
 Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
 [NASA-CASE-XLE-00011] c 14 N70-41946
 Optical systems having spatially invariant outputs
 [NASA-CASE-ERC-10248] c 14 N72-17323
 Two color horizon sensor
 [NASA-CASE-ERC-10174] c 14 N72-25409
 Monitoring deposition of films
 [NASA-CASE-MFS-20675] c 26 N73-26751
 Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
 [NASA-CASE-ARC-10637-1] c 35 N75-16783
 Diatomic infrared gasdynamic laser --- for producing different wavelengths
 [NASA-CASE-ARC-10370-1] c 36 N75-31426
 Fluorescent radiation converter
 [NASA-CASE-GSC-12528-1] c 74 N81-24900
 Acoustic levitation methods and apparatus
 [NASA-CASE-NPO-15562-1] c 71 N82-27086
 Extended range X-ray telescope
 [NASA-CASE-MFS-25282-1] c 34 N83-19015
 Dual laser optical system and method for studying fluid flow
 [NASA-CASE-MFS-25315-1] c 36 N83-29680
 Acoustic suspension system
 [NASA-CASE-NPO-15435-1] c 71 N83-36846

WAVES
 Natural turbulence electrical power generator --- using wave action or random motion
 [NASA-CASE-LAR-11551-1] c 44 N80-29834

WEAR
 Refractory coatings
 [NASA-CASE-LEW-13169-2] c 26 N82-30371
 Ion-beam nitriding of steels
 [NASA-CASE-LEW-14104-1] c 26 N85-21324

WEAR INHIBITORS
 Composite seal for turbomachinery
 [NASA-CASE-LEW-12131-3] c 37 N82-19540

WEATHERPROOFING
 Weatherproof helix antenna Patent
 [NASA-CASE-XKS-08485] c 07 N71-19493

WEBS (SHEETS)
 Method and apparatus for measuring web material wound on a reel
 [NASA-CASE-GSC-11902-1] c 38 N77-17495
 Instrumentation for sensing moisture content of material using a transient thermal pulse
 [NASA-CASE-NPO-15494-1] c 35 N82-25484
 Instrumentation for sensing moisture content of material using a transient thermal pulse
 [NAS 1 71 NPO-15494-2] c 35 N85-34373

WEBS (SUPPORTS)
 Integrated gas turbine engine-nacelle
 [NASA-CASE-LEW-12389-2] c 07 N78-18066
 Integrated gas turbine engine-nacelle
 [NASA-CASE-LEW-12389-3] c 07 N79-14096

WEDGES
 Two dimensional wedge/translating shroud nozzle
 [NASA-CASE-LAR-11919-1] c 07 N78-27121
 Interlocking wedge joint
 [NASA-CASE-LAR-12729-1] c 37 N82-26676

WEIGHT (MASS)
 Suspended mass impact damper Patent
 [NASA-CASE-LAR-10193-1] c 15 N71-27146
 System for indicating fuel-efficient aircraft altitude
 [NASA-CASE-NPO-15351-2] c 06 N84-34443

WEIGHT INDICATORS
 Device for monitoring a change in mass in varying gravimetric environments
 [NASA-CASE-MFS-21556-1] c 35 N74-26945

WEIGHT MEASUREMENT
 Automatic force measuring system Patent
 [NASA-CASE-XLA-02605] c 14 N71-10773
 Device for monitoring a change in mass in varying gravimetric environments
 [NASA-CASE-MFS-21556-1] c 35 N74-26945
 Portable pallet weighing apparatus
 [NASA-CASE-GSC-12789-1] c 35 N85-20294

WEIGHTLESSNESS
 Apparatus for transferring cryogenic liquids Patent
 [NASA-CASE-XLE-00345] c 15 N70-38020
 Liquid-gas separation system Patent
 [NASA-CASE-XMS-01624] c 15 N70-40062
 Measuring device Patent
 [NASA-CASE-XMS-01546] c 14 N70-40233
 Zero gravity starting means for liquid propellant motors Patent
 [NASA-CASE-XNP-01390] c 28 N70-41275
 Liquid-gas separator for zero gravity environment Patent
 [NASA-CASE-XMS-01492] c 05 N70-41297
 Recovery of potable water from human wastes in below-G conditions Patent
 [NASA-CASE-XLA-03213] c 05 N71-11207
 Zero gravity separator Patent
 [NASA-CASE-XLE-00586] c 15 N71-15968
 Reduced gravity simulator Patent
 [NASA-CASE-XLA-01787] c 11 N71-16028
 Method and apparatus of simulating zero gravity conditions Patent
 [NASA-CASE-MFS-12750] c 27 N71-16223
 Quick disconnect latch and handle combination Patent
 [NASA-CASE-MFS-11132] c 15 N71-17649
 Spherical tank gauge Patent
 [NASA-CASE-XMS-06236] c 14 N71-21007
 Zero gravity apparatus Patent
 [NASA-CASE-XMF-06515] c 14 N71-23227
 Skeletal stressing method and apparatus Patent
 [NASA-CASE-ARC-10100-1] c 05 N71-24738
 Material handling device Patent
 [NASA-CASE-XNP-09770-3] c 11 N71-27036
 Method of making foamed materials in zero gravity
 [NASA-CASE-XMF-09902] c 15 N72-11387
 Remote control manipulator for zero gravity environment
 [NASA-CASE-MFS-14405] c 15 N72-28495
 Zero gravity liquid mixer
 [NASA-CASE-LAR-10195-1] c 15 N73-19458
 Zero gravity liquid transfer screen
 [NASA-CASE-KSC-10626] c 14 N73-27378
 Reduced gravity fecal collector seat and urinal
 [NASA-CASE-MFS-22102-1] c 54 N74-20725
 Apparatus for conducting flow electrophoresis in the substantial absence of gravity
 [NASA-CASE-MFS-21394-1] c 34 N74-27744
 Rotary plant growth accelerating apparatus --- weightlessness
 [NASA-CASE-ARC-10722-1] c 51 N75-25503
 Fluid control apparatus and method
 [NASA-CASE-LAR-11110-1] c 34 N75-26282

Method for manufacturing mirrors in zero gravity environment
 [NASA-CASE-MSC-12611-1] c 12 N76-15189
 Fluid mass sensor for a zero gravity environment
 [NASA-CASE-MSC-14653-1] c 35 N77-19385
 Method of crystallization --- in gravity-free environments
 [NASA-CASE-MFS-23001-1] c 76 N77-32919
 Passive propellant system
 [NASA-CASE-MFS-23642-1] c 20 N80-10278
 Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
 [NASA-CASE-NPO-14596-1] c 31 N81-33319

WEIGHTLESSNESS SIMULATION
 Reduced gravity liquid configuration simulator
 [NASA-CASE-XLE-02624] c 12 N69-39988
 Mass measuring system Patent
 [NASA-CASE-XMS-03371] c 05 N70-42000
 Harness assembly Patent
 [NASA-CASE-MFS-14671] c 05 N71-12341
 Whole body measurement systems --- for weightlessness simulation
 [NASA-CASE-MSC-13972-1] c 52 N74-10975

WELD STRENGTH
 Grain refinement control in TIG arc welding
 [NASA-CASE-MSC-19095-1] c 37 N75-19683

WELD TESTS
 Determination of spot weld quality Patent
 [NASA-CASE-XNP-02588] c 15 N71-18613
 Method and apparatus for swept-frequency impedance measurements of welds
 [NASA-CASE-ARC-10176-1] c 15 N72-21464

WELDED JOINTS
 Apparatus for welding blades to rotors
 [NASA-CASE-LEW-10533-2] c 37 N74-11300
 Ultrasonic scanning system for in-place inspection of brazed tube joints
 [NASA-CASE-MFS-20767-1] c 38 N74-15130
 Device for measuring the ferrite content in an austenitic stainless-steel weld
 [NASA-CASE-MFS-22907-1] c 26 N76-18257
 Capillary flow weld-bonding
 [NASA-CASE-LAR-11726-1] c 37 N76-27568

WELDED STRUCTURES
 Grain refinement control in TIG arc welding
 [NASA-CASE-MSC-19095-1] c 37 N75-19683
 Flanged major modular assembly jg
 [NASA-CASE-MSC-19372-1] c 39 N76-31562
 Weld-bonded titanium structures
 [NASA-CASE-LAR-11549-1] c 37 N77-11397
 Bimetallic junctions
 [NASA-CASE-LEW-11573-1] c 26 N77-28265

WELDING
 Segmented back-up bar Patent
 [NASA-CASE-XMF-00640] c 15 N70-39924
 Flexible back-up bar Patent
 [NASA-CASE-XMF-00722] c 15 N70-40204
 Apparatus for welding sheet material --- butt joints
 [NASA-CASE-XMS-01330] c 37 N75-27376
 Weld-bonded titanium structures
 [NASA-CASE-LAR-11549-1] c 37 N77-11397
 Method and apparatus for holding two separate metal pieces together for welding
 [NASA-CASE-GSC-12318-1] c 37 N80-23655
 Automatic weld torch guidance control system
 [NASA-CASE-MFS-25807] c 37 N83-20154
 Joining lead wires to thin platinum alloy films
 [NASA-CASE-LEW-13934-1] c 35 N83-35338
 Alignment and assembly tool for very large diameter cylinders
 [NASA-CASE-MFS-28001-1] c 37 N85-29289

WELDING MACHINES
 Apparatus for welding torch angle and seam tracking control Patent
 [NASA-CASE-XMF-03287] c 15 N71-15607
 Automatic welding speed controller Patent
 [NASA-CASE-XMF-01730] c 15 N71-23050
 Electric welding torch Patent
 [NASA-CASE-XMF-02330] c 15 N71-23798
 Welding skate with computerized control Patent
 [NASA-CASE-XMF-07069] c 15 N71-23815
 Computerized system for translating a torch head
 [NASA-CASE-MFS-23620-1] c 37 N79-10421

WET CELLS
 Method and device for determining battery state of charge Patent
 [NASA-CASE-NPO-10194] c 03 N71-20407

WETTING
 Pretreatment method for anti-wettable materials
 [NASA-CASE-XMS-03537] c 15 N69-21471

WHEATSTONE BRIDGES
 Self-balancing strain gage transducer Patent
 [NASA-CASE-MFS-12827] c 14 N71-17656
 Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
 [NASA-CASE-XLA-02810] c 14 N71-25901

- Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373
- WHEELS**
- Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N85-29290
- WHISKER COMPOSITES**
- Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
- WHISKERS (CRYSTALS)**
- Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- WICKS**
- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- Monogroove heat pipe design Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- WIDE ANGLE LENSES**
- Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
- WIDEBAND COMMUNICATION**
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604
- WINCHES**
- Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599
- WIND DIRECTION**
- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292
- WIND EFFECTS**
- Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N84-32383
- WIND MEASUREMENT**
- Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
- Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- WIND PROFILES**
- Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281
- WIND SHEAR**
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N84-32383
- WIND TUNNEL APPARATUS**
- Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
- Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
- Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
- Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
- Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
- Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- WIND TUNNEL CALIBRATION**
- Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523
- WIND TUNNEL DRIVES**
- Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
- WIND TUNNEL MODELS**
- Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
- Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
- Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
- Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612
- Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448
- WIND TUNNEL NOZZLES**
- Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
- Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
- WIND TUNNEL TESTS**
- Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
- Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- WIND TUNNEL WALLS**
- Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- WIND TUNNELS**
- Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
- Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
- Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
- Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- WIND TURBINES**
- Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- WIND VELOCITY**
- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N84-32383
- WIND VELOCITY MEASUREMENT**
- Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N84-32383
- WINDING**
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197
- WINDMILLS (WINDPOWERED MACHINES)**
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493
- Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660
- WINDOWS (APERTURES)**
- Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
- Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- WINDPOWER UTILIZATION**
- Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- WINDPOWERED GENERATORS**
- Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- WINDSHIELDS**
- Transparent fire resistant polymenc structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- WING CAMBER**
- Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551
- WING FLAPS**
- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
- Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551
- WING PROFILES**
- Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- WING ROOTS**
- Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154
- WING SLOTS**
- Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551
- WING TIP VORTICES**
- Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
- WING TIPS**
- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- WINGS**
- Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225
- Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 35 N84-32782
- Remote pivot decoupler pylon Wing/store suppression
[NASA-CASE-LAR-13173-1] c 05 N85-19981
- WIRE**
- Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
- Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
- Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
- Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- WIRE BRIDGE CIRCUITS**
- Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- WIRE CLOTH**
- Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
- Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966

WIRE WINDING

WIRE WINDING

- Adjustable tension wire guide Patent
[NASA-CASE-XMS-02983] c 15 N71-15918
- Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396

WIRELESS COMMUNICATION

- Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594

WIRING

- Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MS-C-15158-1] c 14 N72-17325
- Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769

WOODEN STRUCTURES

- Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

WORDS (LANGUAGE)

- Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
- Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434

WORK HARDENING

- Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MS-C-19693-1] c 26 N78-24333

WORKING FLUIDS

- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596

WRENCHES

- Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
- Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
- High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383

WRIST

- Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

X

X RAY ABSORPTION

- Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388

X RAY APPARATUS

- Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898

X RAY DIFFRACTION

- Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

X RAY IMAGERY

- Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
- X-ray determination of parts alignment
[NASA-CASE-MS-C-20418-1] c 37 N83-17882
- Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920

X RAY INSPECTION

- Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372

- Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

X RAY IRRADIATION

- Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042

X RAY SOURCES

- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765

X RAY SPECTROSCOPY

- Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765

X RAY TELESCOPES

- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHO-04106] c 14 N70-40240
- Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
- Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
- Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015
- Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 89 N84-17084

X RAYS

- Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
- Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
- X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
- Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281

X-Y PLOTTERS

- Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293

X-15 AIRCRAFT

- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421

XENON

- Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N85-30779

XENON LAMPS

- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

Y

YAG LASERS

- Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Length controlled stabilized mode-lock Nd YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499

YARNS

- Flexible pile thermal barrier insulator
[NASA-CASE-MS-C-19568-1] c 34 N78-25350
- Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MS-C-12662-1] c 33 N79-12331

YAW

- Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
- Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

YIELD STRENGTH

- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

YO-YO DEVICES

- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016

YTTERBIUM

- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

Z

ZEOLITES

- Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

ZINC

- Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
- Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699

ZINC COMPOUNDS

- Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
- Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

ZINC OXIDES

- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

ZIRCONIUM

- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- Nicral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- Improved nickel base coating alloy --- oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639
- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

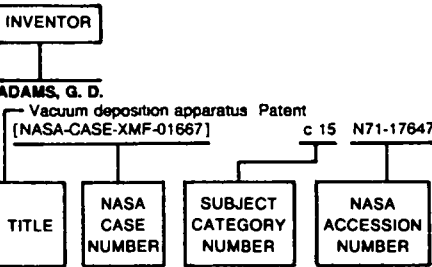
ZIRCONIUM CARBIDES

- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344

ZIRCONIUM OXIDES

- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

Typical Inventor Index Listing



Listings in this index are arranged alphabetically by inventor. The title of the document provides the user with a brief description of the subject matter. The NASA Case Number is the prime access point to patent documents. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. The titles are arranged under each inventor in ascending accession number order.

A

- ADAMS, G. D.**
Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
- ABEL, I. R.**
Optical instruments
[NASA-CASE-MS-C-14096-1] c 74 N74-15095
- ABERNATHY, W. J.**
Insert facing tool
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- ABHYANKAR, K. D.**
Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446
- ABSHIRE, J. B.**
Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
Optical distance measuring instrument
[US-PATENT-APPL-SN-406820] c 74 N83-13982
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- ACHAR, B. N.**
Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
Metal (2) 4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- ACORD, J. D.**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
- ACUNA, M. H.**
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
- Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522
- ADACHI, R. R.**
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- ADAMS, B. R.**
Chopped molecular beam multiplexing system
[NASA-CASE-LAR-13174-1] c 72 N84-25431
- ADAMS, C. M., JR.**
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- ADAMS, G. D.**
Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
- ADAMS, R. R.**
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- ADAMS, W. A.**
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
- ADAMSON, A. P.**
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- ADAMSON, M. J.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- AGRAWAL, A. K.**
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- AHL, E. L., JR.**
Latching mechanism for deployable-restorable columns
[NASA-CASE-LAR-13169-1] c 37 N84-25063
- AIRTH, H. B., JR.**
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- AISENBERG, S.**
Doppler shift system
[NASA-CASE-HQN-10740-1] c 72 N74-19310
- AJELLO, J. M.**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- AJIOKA, J. S.**
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- AKAWIE, R. I.**
Thiophenyl ether disloxanes and trisloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- AKKERMAN, J. W.**
Reciprocating engines
[NASA-CASE-MS-C-16239-1] c 37 N81-32510
Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MS-C-18807-1] c 37 N83-36483
- ALADZHADZHIAN, S. H.**
Generation of intense negative ion beams
[NASA-CASE-NPO-16061-1-CU] c 72 N85-29701
- ALARIO, J. P.**
Multi-leg heat pipe evaporator
[NASA-CASE-MS-C-20812-1] c 34 N84-32748
Monogroove heat pipe design Insulated liquid channel with bonding wick
[NASA-CASE-MS-C-20497-1] c 34 N85-29180
- ALBRECHT, W. P.**
Fifth wheel
[NASA-CASE-FHC-10081-1] c 37 N77-14477
- ALBRIGHT, C. F.**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MS-C-10960-1] c 03 N71-24718
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MS-C-13335-1] c 06 N72-31140
- ALBUS, J. S.**
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- ALCORN, G. E.**
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N83-30268
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
- ALDRICH, B. R.**
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N84-16531
- ALESNA, R. E.**
Flexible joint for pressurizable garment
[NASA-CASE-MS-C-11072] c 54 N74-32546
- ALEXANDER, P., JR.**
Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
- ALFORD, W. J., JR.**
Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
- ALGER, D. L.**
Deuterium pass through target
[NASA-CASE-LEW-11866-1] c 72 N76-15860
Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 31 N78-17237
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- ALLCOCK, H. R.**
Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylchlorophosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Carboranylmethylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- ALLEN, G. V.**
Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
- ALLEN, H., JR.**
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- ALLEN, J. G., JR.**
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- ALLEN, J. H., SR.**
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- ALLEN, J. L.**
Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693

- ALLEN, L. D.**
Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277
- ALLEN, L. H.**
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- ALLEN, R. W.**
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
- ALLEN, W. K.**
Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Serrrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
- ALLEN, W. W.**
Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166
- ALLEY, V. L., JR**
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Nozzle extraction process and handlemeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- ALLGEIER, R. K., JR.**
Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648
- ALPER, M. E.**
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480
- ALTMAN, R. L.**
Synthesis of dawsonites
[NASA-CASE-ARC-11326-1] c 25 N83-33977
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- ALTSHULER, T. L.**
Onice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- AMBRUSO, A.**
Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
- AMEER, G. A.**
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- AMON, M.**
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- ANACKER, K.**
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
- ANAGNOSTOU, E.**
Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- ANDERS, J. B.**
Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
- ANDERSON, D. L.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- ANDERSON, F. A.**
Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
- ANDERSON, G. D.**
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
- ANDERSON, G. E.**
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- ANDERSON, J. R.**
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
- ANDERSON, J. W.**
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- ANDERSON, K. F.**
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- ANDERSON, L. M.**
Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- ANDERSON, R. A.**
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- ANDERSON, R. E.**
Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- ANDERSON, R. F.**
Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
- ANDERSON, T. O.**
Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502
Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
Asynchronous, multiplexing, single line transmission and recovery data system
[NASA-CASE-NPO-13321-1] c 32 N75-26195
Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- ANDERSON, W. J.**
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
High speed hybrid bearing comprising a fluid bearing and a rolling bearing convected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
- ANDERSON, W. W.**
Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-1] c 35 N79-26372
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- ANDERSON, W. W., JR.**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
- ANDREWS, D. G.**
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551
- ANDREWS, E. H., JR.**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
- ANDREWS, R. E.**
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
- ANDREWS, T. W.**
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- ANGELE, W.**
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
Cryogenic groscope housing
[NASA-CASE-MFS-21136-1] c 35 N74-18323
- ANGULO, E. D.**
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- ANICICH, V. G.**
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- ANSELMO, V. J.**
Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- APPEL, M. A.**
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- APPLEBERRY, W. T.**
Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
Device for use in loading tension members
[NASA-CASE-MFS-21488-1] c 14 N75-24794
Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- APPLER, R. L.**
Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- APPLETON, M. W.**
Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- ARCAND, G. M.**
Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728
- ARCELLA, F. G.**
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- ARENS, W. E.**
Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342
Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
- ARGOUD, M. J.**
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N84-25164
- ARIAS, A.**
Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535

- ARLINE, S. B.**
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- ARMSTRONG, H. T.**
Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
- ARNDT, G. D.**
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-C-12259-1] c 07 N70-12616
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MS-C-12259-2] c 07 N72-33146
- ARONS, I. J.**
Heat resistant protective hand covering
[NASA-CASE-MS-C-20261-2] c 54 N84-23113
Heat resistant protective hand covering
[NASA-CASE-MS-C-20261-1] c 54 N84-28484
- ARRANCE, F. C.**
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
- ASHBROOK, R. L.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
- ASHWORTH, B. R.**
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- ASKINS, B. S.**
Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389
- ASTHEIMER, R. W.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- ASTON, G.**
Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
- ATKISSON, E. A.**
Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
- AUBLE, C. M.**
Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
- AUER, S. O.**
Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
- AUKER, B. H.**
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
- AUSTIN, I. G.**
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- AUSTIN, W. E.**
Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
- AUYEUNG, J.**
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- AVERILL, R. D.**
Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
- AVIZIENIS, A. A.**
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
- AYLWARD, J. R.**
Cell and method for electrolysis of water and anode
[NASA-CASE-MS-C-16394-1] c 28 N81-24280
- AYVAZIAN, R. A.**
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339

B

- BABA, P. D.**
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- BABB, B. D.**
Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
- BABECKI, A. J.**
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- BACCHI, R.**
Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- BACHLE, W. H.**
Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
- BACON, J. F.**
Glass compositions with a high modulus of elasticity
[NASA-CASE-HQN-10274-1] c 27 N82-29451
High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
High modulus rare earth and beryllium containing silicate glass compositions
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- BADIN, F. E.**
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- BAEHR, E. F.**
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
Ophthalmic liquification pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- BAER, D. A.**
Synchronous orbit battery cyclor
[NASA-CASE-GSC-11211-1] c 03 N72-25020
- BAGANOFF, D.**
Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960
- BAGBY, J. P.**
Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
- BAHIMAN, H.**
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492
- BAHM, E. J.**
A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- BAILEY, C. L., JR.**
Solid state controller three axes controller
[NASA-CASE-MS-C-12394-1] c 08 N74-10942
- BAILEY, D. A.**
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- BAILEY, F. J., JR.**
Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
- BAILEY, G. A.**
Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- BAILEY, G. C.**
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- BAILEY, J. W.**
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- BAILEY, M. C.**
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- BAILEY, R. L.**
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
- BAKER, C. D.**
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200
Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405
- BAKER, E. H.**
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- BAKER, G. J.**
Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
- BAKER, J. T.**
Logic-controlled occlusive cuff system
[NASA-CASE-MS-C-14836-1] c 52 N82-11770
- BAKER, M. E.**
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
- BAKER, R. L.**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- BAKER, V. D.**
Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
- BAKSTON, B.**
Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
- BALDWIN, L. V.**
Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- BALES, T. T.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
- BALLANTINE, T. J.**
A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MS-C-18934-3] c 24 N82-26387
- BALLARD, R. R.**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073

BALLENTINE, F. M., JR.
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778

BALLOU, E. V.
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

BAMFORD, R. M.
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Sealed separable connection Patent
[NASA-CASE-NPO-10064] c 15 N71-17693

BANDINI, U.
Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417

BANK, H.
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749

BANKS, B.
Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 35 N84-32782

BANKS, B. A.
Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
Electromagnetic flow rate meter
[NASA-CASE-LEW-10981-1] c 35 N74-21018
Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N85-20129
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
Apparatus for producing diamondlike carbon flakes
[NASA-CASE-LEW-13837-3] c 31 N85-20155
Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267

BANKSTON, B. F.
Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N83-21316
Two-dimensional scanner apparatus
[NASA-CASE-MFS-25687-1] c 35 N84-22928

BANTA, R. D.
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497

BARACK, W. N.
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101

BARAONA, C. R.
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530

BARBEE, T. H.
X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222

BARBER, J. B.
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170

BARBERA, A. J.
Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053

BARGER, R. L.
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946

BARISH, B.
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057

BARKER, P.
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234

BARMATZ, M. B.
Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] c 71 N84-16948
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
Gravily enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765

BARNES, J. R.
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427

BARNES, P. E.
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

BARNETT, J. H., JR.
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006

BARNETT, M. A.
Furlable antenna
[NASA-CASE-NPO-13553-1] c 33 N76-32457

BARNISKIS, W. A.
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987

BARNS, C. E.
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

BARR, T. A.
Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370

BARRETT, C. A.
Niral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Improved nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N83-24639

BARRETT, T. W.
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

BARRINGTON, A. B.
Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483

BARRINGTON, A. E.
Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994

BARTEA, R. E.
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

BARTHLOME, D. E.
Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539

BARZA, M. J.
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

BASIULIS, A.
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

BASIULIS, D. I.
High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

BASS, A. M.
Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428

BASTIEN, G. J.
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608

BATE, E. R., JR.
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730

BATES, H. E.
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037

BATHKER, D. A.
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261

BATSCH, F. F.
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938
Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620

BATTE, W. G.
Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751

BATTEN, C. E.
Visible and infrared polarization ratio spectroradiometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687

BATTERSON, S. A.
Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329

BATTS, C. N.
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
Comparator with noise suppression
[NASA-CASE-LAR-13151-1] c 33 N85-20247

BAUCOM, R. M.
Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389

BAUER, H. B.
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902

BAUERNSCHUB, J. P., JR.
Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529

BAUGH, B. T.
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286

BAUGHMAN, J. R.
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478

BAUMAN, A. J.
Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078

- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Molten salt pyrolysis of latex
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- BAUMER, W. E.**
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- BAXTER, R. D.**
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- BAYLESS, G. B.**
Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156
- BEALE, H. A.**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- BEAM, B. H.**
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
- BEAM, R. A.**
Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
- BEAM, R. M.**
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- BEASLEY, R. M.**
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- BEASLEY, W. D.**
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
- BEATTY, R. W.**
Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- BEAUREGARD, W. W.**
Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
- BECK, A. F.**
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
- BECK, T. R.**
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- BECKER, R. A.**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- BECKERLE, L. D.**
Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- BECKMAN, P.**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- BECKWITH, I. E.**
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- BECKWITH, R. M.**
Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- BEEHM, J. M.**
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- BEEKMAN, S. W.**
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- BEEN, J. F.**
Method and apparatus for measuring electromagnetic radiation
[NASA-CASE-LEW-11159-1] c 14 N73-28488
- BEER, R.**
Cooled echelle grating spectrometer
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- BEGGS, J. M.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- BEHIMER, H.**
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- BEHM, J. W.**
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
- BEITLER, R. S.**
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- BEJCZY, A. K.**
Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746
- Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- BELANGER, R. J.**
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
- BELASCO, N.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- BELCHER, J. G., JR.**
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- BELEW, H. W., JR.**
Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- BELEW, R. R.**
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876
Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844
Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N85-29288
Variable length strut with longitudinal compliance and locking capability
[NASA-CASE-MFS-25907-1] c 37 N85-34401
- BELL, A.**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- BELL, C. H.**
Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
- BELL, D., III**
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- BELL, V. L.**
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- BELL, V. L., JR.**
Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235
Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
Dosimeter for high levels of absorbed radiation
[NASA-CASE-XLA-03645] c 14 N71-20430
- BELLAVIA, J., JR.**
Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- BELLMAN, D. R.**
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- BELT, J. L.**
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- BEMENT, L. J.**
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
Totally confined explosive welding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- BENEDICT, R. D.**
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- BENEDICTO, J. S. J.**
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- BENGTSON, R. D.**
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
- BENHAM, J. W.**
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- BENNETT, G. W.**
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- BENNINGT, J. D.**
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- BENZ, F. J.**
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 14 N84-22596
- BENZ, H. A.**
Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
- BERDAHL, C. M.**
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1-CU] c 35 N85-29219
- BEREMAND, D. G.**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- BEREMAND, G. B.**
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- BERG, O. E.**
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
- BERGE, L. H.**
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- BERGLUND, R. A.**
Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296
- BERGSTROM, S. L.**
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- BERKMAN, S.**
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- BERKOPEC, F. D.**
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- BERMAN, P. A.**
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
- BERNARDIN, R. M.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- BERNATOWICZ, D. T.**
Method of making silicon solar cell array
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- BERNSEN, B.**
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- BERNSTEIN, A. J.**
Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- BERRIER, B. L.**
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

- BERRY, E. H.**
Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- BERRY, R. F., JR.**
Ultrasonic angle beam standard reflector
[NASA-CASE-LAR-13153-1] c 71 N84-21274
- BERSON, L. A.**
Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
- BESSETTE, R. J.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- BESWICK, A. G.**
Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- BEUYUKIAN, C. S.**
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- BEYLJK, C. M.**
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- BHAGAT, P. K.**
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578
- BHAT, B. N.**
Method of growing composites of the type exhibiting the Soret effect
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- BHIWANDKER, N. C.**
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- BIBBO, C.**
Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
- BICKLER, D. B.**
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- BICKLER, T. C.**
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- BICKNELL, T. J.**
An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194
Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- BIEHL, A. J.**
Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- BIENIEK, T.**
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- BIER, M.**
Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397
- BIKLE, P. F.**
System for use in conducting wake investigation for a wing in flight
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- BILBRO, J. W.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- BILDERBACK, R. R.**
Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- BILES, J. E., JR.**
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- BILL, R. C.**
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
- BILLINGHAM, J.**
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- BILLINGS, C. R.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- BILLINGSLEY, F. C.**
Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697
Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
- BILLMAN, K. W.**
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- BILOW, N.**
Thiophenyl ether disloxanes and trisloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- BINCKLEY, W. G.**
Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
- BINGHAM, G. J.**
Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
- BIRCHENOUGH, A. G.**
Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243
Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- BIRD, J. D.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
- BIRD, R. G.**
Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
- BISHOP, O. L.**
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- BISHOP, R. E.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- BLACK, D. H.**
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
- BLACK, I. A.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- BLACK, J. M.**
Full wave modulator-demodulator amplifier apparatus
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
Voltage regulator for battery power source
[NASA-CASE-FRC-10116-1] c 33 N79-23345
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- BLACK, S. H.**
Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
- BLACK, W. W.**
Traxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- BLACKBAY, J. R.**
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- BLACKBURN, L. B.**
Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- BLACKSTOCK, T. A.**
Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- BLAIR, G. R.**
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- BLAISE, H. T.**
Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- BLANCHARD, W. S., JR.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
High lift aircraft
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- BLANCHE, J. F.**
Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
- BLAND, C.**
Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- BLAND, W. M., JR.**
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
- BLANKENSHIP, C. P.**
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182
- BLAZE, C. J.**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- BLESS, J. J.**
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- BLOCH, J. T.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- BLOOMFIELD, H. S.**
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- BLOSSER, E. R.**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- BLOUNT, D. H.**
Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N84-15183
- BLUE, J. W.**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
Method of producing I-123
[NASA-CASE-LEW-11390-2] c 25 N76-27383
Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- BLUM, P.**
Rock sampling
[NASA-CASE-XNP-10007-1] c 46 N74-23068
Rock sampling
[NASA-CASE-XNP-09755] c 46 N74-23069
- BLUME, H. C.**
Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
- BLUMRICH, J. F.**
Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912
Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
- BLUTINGER, B.**
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- BLYMILLER, E. R.**
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485

- BOATRIGHT, W. B.**
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
- BOCKWOLDT, W. H.**
Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
- BOEDY, D. D.**
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- BOEHM, J.**
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- BOEHME, R. J.**
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- BOER, K. W.**
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- BOEX, M. W.**
Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- BOGNER, R. S.**
Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- BOGUSZ, F. J.**
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
- BOIES, R. D.**
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- BOISSEVAIN, A. G.**
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- BOLT, C. A., JR.**
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- BOLTON, P. N.**
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- BOND, H. H., JR.**
Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- BOND, W. W.**
Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
- BONISCH, F. H.**
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- BONN, J. L.**
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
- BONO, P.**
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
- BOODLEY, L. E.**
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- BOOM, R. W.**
Stable superconducting magnet
[NASA-CASE-XMF-05373-1] c 33 N79-21264
- BOOTH, F. W.**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
Air removal device
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- BOOTH, R. A.**
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- BORELLI, M. T.**
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- BOROSON, H. R.**
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- BORSIG, E.**
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- BOSCO, G. B., JR.**
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- BOSHERS, W. A.**
Battery testing device
[NASA-CASE-MFS-20761-1] c 44 N74-27519
Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- BOSTON, R. E.**
X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
- BOTTOMS, D. J.**
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
- BOULDIN, D. L.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
- BOURKE, D. G.**
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- BOUSMAN, W. G.**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- BOWER, K. F.**
Buffered analog converter
[NASA-CASE-KSC-10397] c 08 N72-25206
- BOXWELL, D. A.**
Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- BOYLE, J. C.**
Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
- BOYLE, J. V., JR.**
Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
- BOZAJIAN, J. M.**
Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
- BRADFIELD, S. P., III**
Unbalanced quadrupole demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
- BRADLEY, R. H.**
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
- BRADY, J. C.**
Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
- BRAINARD, W. A.**
Improved refractory coatings
[NASA-CASE-LEW-23169-2] c 26 N81-16209
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- BRANDENBURGER, G. H.**
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- BRANDHORST, H. W., JR.**
Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
Solar cell assembly
[NASA-CASE-LEW-11549-1] c 44 N77-19571
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N85-20535
- BRANDON, C. A.**
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- BRANSTETTER, J. R.**
Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- BRANTLEY, J. W.**
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- BRANTLEY, L. W., JR.**
Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657
- Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
Thermal energy storage system
[NASA-CASE-MFS-23167-1] c 44 N76-31667
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- BRASCHWITZ, J. M.**
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- BRAUN, W.**
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- BRAWNER, C. C.**
Specific wavelength colonimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860
- BRAWNER, E. L.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- BREALT, R. P.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- BREAZEALE, M. A.**
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- BRECKENRIDGE, R.**
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- BRECKENRIDGE, R. A.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- BRECKINRIDGE, J. B.**
Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- BREED, L. L.**
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- BREED, L. W.**
Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
- BREEZE, R. K.**
Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- BREGMAN, B. J.**
Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230
- BREITWIESER, R.**
High current electrical lead
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- BREJCHA, A. G., JR.**
Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
- BRESHEARS, R. R.**
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
- BREUER, D. R.**
Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- BREY, H.**
Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176
FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- BRICKER, R. W.**
Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- BRIGHT, C. W.**
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- BRINICH, P. F.**
Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
- BRINKS, B. J.**
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
- BRISKEN, A. F.**
Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

- BRISSENDEN, R. F.**
Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
- BRITT, T. O.**
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- BRITZ, W. J.**
Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- BROCK, F. J.**
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391
- BROCKMAN, M. H.**
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- BRODER, J. D.**
Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
Method of making silicon solar cell array
[NASA-CASE-LEW-11069-1] c 44 N74-14784
Covered silicon solar cells and method of manufacture
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
- BRODERICK, J. C.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- BRODERICK, R. F.**
Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- BRODIE, S. B.**
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- BROKL, S. S.**
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
- BROMAN, C. L.**
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- BROOKS, A. D.**
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- BROOKS, D. E.**
Method for separating biological cells
[NASA-CASE-MFS-23883-1] c 51 N80-16715
- BROOKS, G. W.**
Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
Flexible ring sash damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- BROOKS, J. D.**
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
- BROOKS, R. A.**
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- BROOKS, R. L.**
Fluid sample collection and distribution system
[NASA-CASE-MSC-16841-1] c 34 N79-24285
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- BROSH, A.**
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- BROUSSARD, P. H.**
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- BROUSSARD, R.**
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- BROWN, C. E.**
G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- BROWN, D.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- BROWN, D. W.**
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
- BROWN, E. L.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- BROWN, G. A.**
Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
- BROWN, G. V.**
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Magnetocaloric pump
[NASA-CASE-LEW-11672-1] c 37 N74-27904
Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- BROWN, H. H.**
Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114
- BROWN, J. L.**
LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- BROWN, J. W.**
Reduced gravity fecal collector seat and unnaal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- BROWN, K. H.**
Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- BROWN, N. D.**
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- BROWN, P. A.**
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- BROWN, R. F.**
Monogroove heat pipe design Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- BROWN, R. H.**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- BROWN, R. L.**
Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- BROWN, R. M.**
Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- BROWN, W. E. III**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- BROWNING, R. E.**
Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
- BROYLES, H. F.**
Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
- BROYLES, H. H.**
Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
- BRUCE, M. M., JR.**
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- BRUCE, R. A.**
Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
Air removal device
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- BRUNSON, J. W.**
Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- BRUNSTEIN, S. A.**
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- BRYAN, C. J.**
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
System for sterilizing objects
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- BRYAN, M. B.**
Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612
- BRYANT, E. L.**
Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- BRYANT, W. H.**
Digital controller for a Baum folding machine
[NASA-CASE-LAR-10688-1] c 37 N74-21056
- BRYSON, R. P.**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
- BUBE, K. R.**
Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
- BUCHANAN, R. I.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- BUCHHELE, D. R.**
Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- BUCHHOLD, T. A.**
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
- BUCHMILLER, L. D.**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- BUCKLEY, D. H.**
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- BUCKLEY, J. D.**
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- BUEHLER, M. G.**
Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- BUHLER, G. V.**
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- BULLINGER, H. B.**
Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- BUNCE, R. C.**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Automatic camera acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
- BUNIN, B. L.**
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N84-20859
- BUNKER, E. R., JR.**
Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
- BUNKER, J. W.**
Slide release mechanism
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- BURCH, C. F.**
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- BURCH, J. L.**
Two speed drive system
[NASA-CASE-MFS-20645-1] c 37 N74-23070
Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- BURCHAM, F. W.**
Multiple pure tone elimination strut assembly
[NASA-CASE-FRC-11062-1] c 71 N82-16800
- BURCHAM, T. W.**
Controlled release device Patent
[NASA-CASE-KKS-03338] c 15 N71-24043
- BURCHER, E. E.**
Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- BURDIN, C.**
Phase-locked servo system
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- BURGETT, F. A.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
- BURK, S. M., JR.**
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
- BURKE, J. R.**
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- BURKHART, J. A.**
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
- BURKLEY, R. A.**
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- BURKS, H. D.**
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749
Melt-flow-toughness modified polyimide
[NASA-CASE-LAR-13135-1] c 27 N84-34616
- BURKS, R. E., JR.**
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- BURNETT, J. E.**
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
- BURNHAM, D. C.**
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- BURNS, E. A.**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- BURNS, F. P.**
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- BURNS, M. R., JR.**
Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- BURNS, R. H.**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- BURNS, R. K.**
Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- BURROUS, C. N.**
Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- BURROWS, D. L.**
Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
- BURTON, D. R.**
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- BURTON, W. A.**
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- BUSEMANN, A.**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- BUSH, H. G.**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
Lightweight structural columns
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 18 N84-16250
Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- BUSHNELL, D. M.**
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- BUTLER, D. H.**
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- BUTLER, J. M.**
Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- BUTLER, L. V.**
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N84-25164
- BUTMAN, S.**
Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- BUTMAN, S. A.**
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- BUTNER, C. L.**
Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N84-15960
- BUZZARD, R. J.**
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- BYERS, D. C.**
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- BYNUM, B. G.**
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
- BYRD, A. W.**
Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
Thermoelectric power system
[NASA-CASE-MFS-22002-1] c 44 N76-16612
- BYRD, J. D.**
Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
- BYRD, N. R.**
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- BYRNE, F.**
BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247
Digital servo controller
[NASA-CASE-KSC-10769-1] c 33 N74-29556
Common data buffer system
[NASA-CASE-KSC-11048-1] c 62 N81-24779
Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 33 N84-15395
A method and apparatus for operating on compacted PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N85-29120
- BYVIK, C. E.**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923

C

- CABLE, C. W.**
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
- CABLE, W. L.**
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- CACOSSA, R. A.**
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- CAGLIOSTRO, D. E.**
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- CAHILL, K. J.**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- CAHILL, N. E.**
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
- CAIRO, F. J.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- CALANDRO, J. N.**
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- CALCO, F. S.**
Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N85-20248
- CALFO, F. D.**
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
- CALLAHAN, D. E.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- CALVERT, H. F.**
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
- CALVERT, J. A.**
Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
Self-indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N84-20860
- CAMACHO, S. L.**
Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
- CAMARDA, C. J.**
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- CAMBRA, J. M.**
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- CAMERON, J. R.**
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- CAMP, D. W.**
Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
- CAMP, E. L.**
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- CAMPBELL, B. A.**
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
- CAMPBELL, C. C., JR.**
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
- CAMPBELL, C. W.**
Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
- CAMPBELL, D. H.**
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123

- CAMPBELL, D. R.**
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
- CAMPBELL, F. D.**
Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
- CAMPBELL, G. E.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- CAMPBELL, G. W.**
Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- CAMPBELL, J. G.**
Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
- CAMPBELL, R. A.**
Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- CAMPBELL, R. B., JR.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- CAMPBELL, R. L.**
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- CAMPBELL, T. G.**
Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
- CAMPEN, C. F., JR.**
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- CANCRO, C. A.**
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- CANICATTI, C. L.**
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
- CANNING, T. N.**
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
Bimetallic fluid displacement apparatus
[NASA-CASE-ARC-10441-1] c 35 N74-15126
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- CANTOR, C.**
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
- CANTRELL, J. H., JR.**
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- CANVEL, H.**
Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
- CAPLETTE, R. K.**
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
- CAPPS, J. E.**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- CAREN, R. P.**
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- CARL, C.**
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
- Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- CARL, G. R.**
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- CARLE, C. E.**
Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
- CARLE, G. C.**
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- CARLISLE, T. E.**
Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- CARLSON, A. W.**
Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390
- CARLSON, H. W.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- CARLSON, R. L.**
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- CARLSON, W. C. A.**
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- CARMIN, D. L., JR.**
Anti-fog composition
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- CARMODY, R. J.**
Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- CARO, E. R.**
High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
- CARON, P. R.**
Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173
Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- CARPINI, T. D.**
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- CARR, W. F.**
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
- CARRAWAY, J. B.**
Miniature multichannel biotelemeter system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- CARRENO, V. A.**
A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995
- CARROLL, W. F.**
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- CARSLEY, R. B.**
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
- CARSON, J. W.**
Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- CARSON, L. M.**
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- CARSON, P. R.**
Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- CARSON, W. N., JR.**
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
- CARTER, A. F.**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661
- CARTER, J. M.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- CARTER, W. K.**
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- CARUSO, A. J.**
Sorpton vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
- CARUSO, V. P.**
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
- CARVER, V. C.**
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- CASE, M. C.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- CASEY, L. O.**
Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526
- CASH, W. H., JR.**
Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- CASHION, K. D.**
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
- CASON, R. L.**
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- CASTLE, K. D.**
Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
- CASTLEMAN, K. R.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- CASTON, D.**
High temperature emittance coatings and coating compositions
[NASA-CASE-MSC-18851-1] c 27 N82-26460
- CATLAW, T. G.**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- CAUDILL, L. O.**
Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- CAWLEY, J. D.**
Oxidizing seal for a turbine tip gas path
[NASA-CASE-LEW-14053-1] c 37 N85-34402
- CECCON, H. L.**
Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- CELLIER, A.**
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- CEPOLLINA, F. J.**
Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
- CERINI, D. J.**
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- CERVENKA, P. O.**
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
- CHAI, A. T.**
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- CHAMBERLAIN, F. R.**
Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- CHAMBERS, A. B.**
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- CHAMIS, C. C.**
Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- CHAN, P. C. F.**
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- CHANDLER, J. A.**
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812

- Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
- Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080
- Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599
- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605
- Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284
- CHANDLER, W. A.**
Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
- CHANEY, R. E.**
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- CHANG, C. C.**
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- CHAO, J. I.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- CHAPMAN, C. P.**
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
- Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
- Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- CHAPMAN, R. M.**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- CHAPPELLE, E. W.**
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
- Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
- Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- CHARLES, J. F.**
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
- CHARLESTON, A.**
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- CHARLTON, K. W.**
Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- CHARNOSKY, A. J.**
Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
- CHASE, E. W.**
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- CHASE, W. D.**
Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
- Full color hybrid display for aircraft simulators
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- CHEATHAM, D. C.**
Spacecraft docking and alignment system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- CHEN, B. C. J.**
Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- CHEN, C. J.**
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- CHEN, D. Y.**
Hybrid power semiconductor switch
[NASA-CASE-LEW-13922-1] c 33 N84-11389
- CHEN, T. S.**
Vinyl styrylpyridines and their copolymerization with bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341
- Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- CHEN, W.**
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- CHEN, W. S.**
Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- CHENG, C. H.**
Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- CHENG, D. Y.**
Reversed cowl flap inlet thrust augmentor
[NASA-CASE-ARC-10754-1] c 07 N75-24736
- System for measuring Reynolds in a turbulently flowing fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517
- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- CHERDAK, A. S.**
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
- CHEERN, S. S.**
Chemical vapor deposition reactor
[NASA-CASE-NPO-13650-1] c 25 N79-28253
- Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- CHERNOFF, R.**
Frequency translating phase conjugation circuit for active retrodirective antenna array
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- CHERNOFF, R. C.**
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- CHESTNUTT, D.**
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
- CHI, K.**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- CHIAO, R. Y.**
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
- Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
- CHILDRESS, J. D.**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- CHILDS, J. H.**
High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- CHILENSKI, J. J.**
Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
- CHILTON, R. G.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
- Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- CHIOA, R. Y.**
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- CHISEL, D. M.**
Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
- CHONG, C. F.**
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- CHOW, E. Y.**
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
- CHOWNING, D.**
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- CHREITZBERG, A. M.**
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
- CHRISTENSEN, W. W.**
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- CHRISTMAN, L. M.**
Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922
- CHRISTOPHER, P. A.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- CHRISTY, C. L., JR.**
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- CHU, H. P.**
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N84-20670
- CHU, T. L.**
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- CHUBB, D. L.**
Thermionic photovoltaic energy converter
[NASA-CASE-LEW-14077-1] c 44 N85-34441
- CHUMLEY, J. F.**
Zero gravity apparatus Patent
[NASA-CASE-XFR-06515] c 14 N71-23227
- CHUTJIAN, A.**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- Generation of intense negative ion beams
[NASA-CASE-NPO-16061-1-CU] c 72 N85-29701
- Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N85-30779
- CIEPLUCH, C. C.**
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
- Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- CISSELL, R. E.**
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
- CISZEK, T. F.**
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- CLAING, R. G.**
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- CLAPP, W. M.**
Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- CLARK, C. E.**
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- CLARK, F. L.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
- Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- CLARK, H. K.**
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610

- CLARK, I. O.**
Ampoule sealing apparatus and process
[NASA-CASE-LAR-12847-1] c 33 N83-16633
- CLARK, J. R.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- CLARK, K. H.**
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N84-11501
Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N84-14423
Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560
Hemispherical latching apparatus
[NASA-CASE-MFS-25637-1] c 18 N85-29991
- CLARK, R. K.**
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- CLARK, R. L.**
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- CLARK, R. T.**
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
- CLARKE, D. R.**
Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- CLATTERBUCK, C. H.**
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146
- CLAUS, R. O.**
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
- CLAUSS, R. C.**
Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521
Refrigerated coaxial coupling
[NASA-CASE-NPO-13504-1] c 33 N75-30430
Reflected-wave maser
[NASA-CASE-NPO-13490-1] c 36 N76-31512
Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- CLAWSON, G. T.**
Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- CLAY, D. R.**
Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- CLAY, F. P., JR.**
Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- CLELAND, E. L.**
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- CLEMENS, G. W., JR.**
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- CLEMENS, P. W.**
Device for configuring multiple leads
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- CLEMENT, W. G.**
Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- CLEMENTS, P. A.**
System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- CLEMMONS, D. L., JR.**
Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- CLEMMONS, J. I., JR.**
Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651
- CLEMONS, J. M.**
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
Process for producing ins s(n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
- CLEVELAND, G. J.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- CLEVENSON, S. A.**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- CLICKNER, R. E., JR.**
Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
- CLIFF, R. A.**
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- CLIFF, W. C.**
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- CLINE, R. W.**
Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- CLOTFELTER, W. N.**
Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511
- CLOUGH, L. G.**
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
- CLOYD, R. A.**
Self-indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N84-20860
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- COBIN, J. C.**
Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162
- COCCA, F. J.**
Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
- COE, C. F.**
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- COE, H. H.**
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
- COE, P. L., JR.**
Supersonic transport
[NASA-CASE-LAR-11932-1] c 05 N78-32086
- COFER, W. R., III**
Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1] c 31 N85-20154
- COFFINBERRY, G. A.**
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- COHEN, D.**
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
- COHEN, E. A.**
Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
- COHEN, M. F.**
Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
- COHEN, M. M.**
Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281
Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N84-20808
Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- COHEN, N. S.**
Nitramine propellants
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- COHEN, R. A.**
A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
- COHN, E. M.**
Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
- COHN, R. B.**
Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975
- COHN, S. B.**
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- COKER, L. R.**
Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- COLBURN, M. E.**
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- COLE, H. A., JR.**
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
- COLE, M. A.**
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- COLE, P. T.**
Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
- COLEMAN, A. D.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- COLES, W. D.**
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
- COLLIER, L.**
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- COLLIN, E. E.**
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
- COLLINS, D. D.**
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
- COLLINS, D. F., JR.**
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- COLLINS, E. R.**
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

- Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- COLLINS, E. R., JR.**
Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443
Improved silicon grinding method and apparatus
[NASA-CASE-NPO-16336-1-CU] c 31 N85-21407
Improvements in tank tread assemblies
[NASA-CASE-NPO-16321-1] c 37 N85-29291
Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- COLLINS, V. G.**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1] c 31 N85-20154
- COLLINS, W. A.**
Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595
- COLONY, J. A.**
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- COMPTON, L. E.**
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- CONANT, J. E.**
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
- CONN, C. D., JR.**
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- CONGER, C. C.**
Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226
- CONIGLIO, G. V.**
Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- CONN, J. H.**
Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
- CONNELL, E. W.**
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
- CONNELLY, D. L.**
Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- CONNOLLY, D. J.**
Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- CONNOLLY, J. P.**
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- CONNORS, J. F.**
Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
- CONRAD, E. W.**
Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
- CONRAD, W. M.**
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- CONROY, B. L.**
Method for ultrasonic bonding to soft microelectronic substrates
[NASA-CASE-NPO-16087-1] c 33 N85-29151
- CONSTANTINIDES, N. J.**
Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- CONSTANTINIDES, N. J.**
An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- CONWAY, E. J.**
Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- COOGAN, J. M.**
Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
- COOK, C. E.**
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- COOK, T. A.**
Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- COOK, W. M., JR.**
Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- COOLIDGE, J. E.**
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- COON, G. W.**
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- COOPER, C. R.**
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
- COOPER, D. W.**
Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- COOPER, L. P.**
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- COOPER, W. E.**
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
- COPELAND, J. T., JR.**
High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411
- CORBIN, P. L.**
Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
- CORCORAN, W. H.**
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- CORLEY, R. C.**
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- CORNETT, J. E.**
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- CORNILLE, H. J., JR.**
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- CORNISH, S. D.**
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- CORREALE, J. V.**
Absorbent product to absorb fluids
[NASA-CASE-MSC-18223-1] c 24 N82-29362
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758
- CORSMEIER, R. J.**
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- CORSON, B. W., JR.**
Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374
Cascade plug nozzle
[NASA-CASE-LAR-11674-1] c 07 N76-18117
- CORWIN, R. R.**
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- COSTAKOS, N. C.**
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- COSTEN, R. C.**
Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
- COSTES, M. C.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- COSTOGUE, E. N.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- COSTON, R. M.**
Dual solid cryogens for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- COTE, C. E.**
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- COUCH, L. M.**
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- COUCH, R. H.**
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- COULBERT, C. D.**
Multislit film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
- COULSON, C. E.**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- COULTRIP, R. H.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- COUVILLON, L. A., JR.**
Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- COWAN, J. J.**
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
- COWDIN, K. T.**
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- COWELL, T. E.**
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- COX, J. A.**
Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
- COYNER, J. V.**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- CRABILL, N. L.**
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
- CRAIG, G. D.**
Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N83-21950
Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229

- CRAIG, H. M.**
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- CRAIG, R. A.**
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
- CRAIGHEAD, N. D.**
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- CRAMER, P. W., JR.**
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- CRAWFORD, D. W.**
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- CRAWFORD, R.**
Solar energy powered heliostropes
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- CRAWFORD, R. F.**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178
- CRAWFORD, W. E.**
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
- CREASY, W. K.**
Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- CREE, D.**
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
- CREE, R. F.**
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- CREEDON, J. F.**
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- CREEL, T. R., JR.**
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- CREPEAU, P. C.**
Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
- CRESS, S. B.**
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- CRESSEY, J. R.**
Display for binary characters Patent
[NASA-CASE-GJS-04987] c 08 N71-20571
- CREWS, J. H., JR.**
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
- CRIBB, H. E.**
Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108
Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
- CROFT, R. M.**
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- CROFTS, D. E.**
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- CROONQUIST, A. P.**
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
- CROSWELL, W. F.**
Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- CROUCH, C. E.**
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- CROUCH, H. W.**
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- CROUCH, R. K.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- CROW, R. B.**
Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
- CROWELL, R. T.**
System and method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
- CRUM, G. W.**
Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
- CRUMPLER, J. F.**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- CRUMPLER, W. B.**
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
- CRUTCHER, J. E.**
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- CRUZAN, C. T.**
Method for ultrasonic bonding to soft microelectronic substrates
[NASA-CASE-NPO-16087-1] c 33 N85-29151
- CUBBISON, R. W.**
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
- CUBLEY, H. D.**
Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056
- CUDDIHY, E. F.**
Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
- CULLER, V. H.**
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- CULOTTA, R. F.**
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- CULP, D. H.**
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- CUNNINGHAM, H. R.**
Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
- CUNNINGHAM, J. W.**
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- CUNNINGHAM, R. E.**
Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333
- CURREN, A. N.**
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156
- CURRIE, J.**
Angular measurement system
[NASA-CASE-MFS-25825-1] c 35 N85-20298
- CURRIE, J. R.**
Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
Multi-channel temperature measurement amplification system
[NASA-CASE-MFS-23775-1] c 44 N82-16474
Solar energy control system
[NASA-CASE-MFS-25287-1] c 44 N82-18686
Photoelectric detection system
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- CURRIE, R. E., JR.**
Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
- CURRY, J. E.**
Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- CURRY, K. C.**
Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
- CURRY, R. E.**
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- CURTIS, D. L.**
Life support system
[NASA-CASE-MSC-12411-1] c 05 N72-20096
- CYGNAROWICZ, T. A.**
System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- CZARCINSKI, E. A.**
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624

D

- DABNEY, R. W.**
Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877
- DAEGES, J. J.**
Motor run-up system
[NASA-CASE-NPO-13374-1] c 33 N75-19524
- DAHM, W. K.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- DAILED, J. J.**
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
- DAILEY, C. C.**
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
- DALE, W. J.**
Method of fabricating an article with cavities
[NASA-CASE-LAR-10318-1] c 31 N74-18089
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- DALELIO, G. F.**
Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

- DALY, W. M.**
Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
- DAME, J. M.**
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- DAMERON, C. E.**
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- DAMMIG, A. H., JR.**
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- DANCHENKO, V.**
Radiation hardening of MOS devices by boron
[NASA-CASE-GSC-11425-1] c 76 N74-20329
Radiation hardening of MOS devices by boron
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- DANE, D. H.**
Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341
Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
Sprag solenoid brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
Orthotic arm joint
[NASA-CASE-MFS-21611-1] c 54 N75-12616
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- DANELIS, J. V.**
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- DANGLE, E. E.**
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- DANIELS, A.**
Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
- DANIELS, H. J.**
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- DANSKIN, J. H.**
Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058
- DARCEY, R. J.**
Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
- DARGO, D.**
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- DARR, J., JR.**
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
- DARROW, W. E., JR.**
Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
- DASGUPTA, K.**
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- DASTOOR, M. N.**
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- DAUD, T.**
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- DAVARIAN, F.**
Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
- DAVID-MALIG, M. A.**
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
- DAVID, R. M.**
Insulated electrocardiographic electrodes
[NASA-CASE-MSC-14339-1] c 05 N75-24716
- DAVIDS, L. H.**
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
- DAVIDSON, A. C.**
Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
- DAVIDSON, G. A.**
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
- DAVIDSON, J. K.**
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- DAVIDSON, J. R.**
Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
- DAVIDSON, J. S. W.**
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- DAVIES, W. D. T.**
Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- DAVIS, A. J.**
Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
- DAVIS, B. K.**
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
Solar energy power system
[NASA-CASE-MFS-21628-1] c 44 N75-32581
Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
- DAVIS, D. C.**
Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- DAVIS, D. P.**
Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
- DAVIS, E. J.**
Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
- DAVIS, E. S.**
Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797
Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157
- DAVIS, J. G., JR.**
Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
- DAVIS, J. P.**
Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228
- DAVIS, J. W.**
Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- DAVIS, L. P.**
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- DAVIS, N. S.**
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- DAVIS, P. A.**
Oscillating pressure device for dynamic calibration of pressure transducers
[NASA-CASE-LAR-13094-1] c 35 N85-29217
- DAVIS, R. C.**
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
- DAVIS, W. T.**
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
Missile rolling tail brake torque system
[NASA-CASE-LAR-12751-1] c 15 N84-18231
- A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
Oscillating pressure device for dynamic calibration of pressure transducers
[NASA-CASE-LAR-13094-1] c 35 N85-29217
- DAVISON, E. H.**
Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
- DAVISON, H. W.**
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
- DAWN, F. S.**
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
Lightweight electrically-powered flexible thermal laminate
[NASA-CASE-MSC-12662-1] c 33 N79-12331
Absorbent product to absorb fluids
[NASA-CASE-MSC-18223-1] c 24 N82-29362
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758
- DAY, J. L.**
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
- DAY, R. M.**
Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294
- DAYAN, V. H.**
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- DEA, J. Y.**
Constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- DEADMORE, D. L.**
Method of protecting a surface with a silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343] c 26 N83-31795
- DEATON, E. T., JR.**
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- DEBNAM, W. J. J.**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- DEBNAM, W. J., JR.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Ampoule sealing apparatus and process
[NASA-CASE-LAR-12847-1] c 33 N83-16633
Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- DEBOO, G. J.**
Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172
Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- DECARLO, F. S.**
Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- DECKER, A. J.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- DEDOLPH, R. D.**
Rotary plant growth accelerating apparatus
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- DEERKOSKI, L. F.**
Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

- Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
- DEFURIA, R. R.**
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- DEGEER, M. D.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- DEGRASSE, R. W.**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- DEIS, B. C.**
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- DEL CASALE, L. A.**
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- DEL CURTO, B.**
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- DEL DUCA, A.**
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- DELANO, C. B.**
Polymenc foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- DELAPLAINE, R. W.**
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- DELATEUR, L. A.**
Emergency earth orbital escape device
[NASA-CASE-MS-13281] c 31 N72-18859
- DELGREGO, D. J.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- DELUCA, J. J.**
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- DELVIGS, P.**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- DEMING, J. W.**
Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- DEMOGENES, C.**
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- DEMOREST, K. E.**
Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- DEMPSEY, T. K.**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- DENACI, D. E.**
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- DENEF, D. E.**
Television camera video level control system
[NASA-CASE-MS-18578-1] c 32 N85-21427
- DENNIS, D. V.**
Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
- DEO, N.**
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
- DERING, V. G.**
Vortex breech high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- DERR, L. J.**
Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319
Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- DESCAMP, V. A.**
Filter regeneration systems
[NASA-CASE-MS-14273-1] c 34 N75-33342
- DESTESE, J. G.**
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
- DETLING, J. R.**
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
- DETWELER, H. K.**
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
- DEVINE, D. L.**
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- DEVINE, E. J.**
Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- DEWHIRST, D. L.**
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
- DEWITT, R. L.**
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- DEYOUNG, A.**
Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N85-20320
- DEYOUNG, R. J.**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- DI LOSA, V. J.**
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- DIAMOND, D. D.**
Stator rotor tools
[NASA-CASE-MS-16000-1] c 37 N78-24544
- DIAMOND, R. M.**
Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- DIBATTISTA, J. D.**
Determining particle density using known material Huguenot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- DICARLO, J. A.**
Method and apparatus for strengthening boron fibers
[NASA-CASE-LEW-13826-1] c 24 N82-26385
Method for strengthening boron fibers
[NASA-CASE-LEW-13826-2] c 24 N84-24711
- DICKENS, L. E.**
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
- DICKERSON, G. E.**
Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- DICKINSON, R. M.**
Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- DIETRICH, F. J.**
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- DILL, W. P.**
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MS-16777-1] c 51 N80-27067
- DILLARD, P. A.**
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- DILLON, R. F., JR.**
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- DIMEFF, J.**
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182
Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095
Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098
Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
Chromato-fluorographic drug detector
[NASA-CASE-XAC-10633-1] c 25 N74-26947
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector
[NASA-CASE-ARC-10631-1] c 74 N76-20958
Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- DIRUSSO, E.**
Variable function secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N85-20377
- DIX, M. G.**
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
- DIXON, D. S.**
Device and method for frictionally testing materials for gritability
[NASA-CASE-MS-20622-1] c 14 N84-22596
- DIXON, G. V.**
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- DOBIES, E. F.**
Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- DOD, L. R.**
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- DOGGETT, R. V., JR.**
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- DOLAND, G. D.**
Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MS-14070-1] c 32 N74-32598
Phased array antenna control
[NASA-CASE-MS-14939-1] c 32 N79-11264

- Random digital encryption secure communication system*
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- DOLLAND, C. R.**
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
Adaptive reference voltage generator for fining angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- DOLLYHIGH, S. M.**
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- DOMACK, C. S.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092
- DOMAS, P. A.**
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- DOMBROWSKI, H. G.**
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
- DONALDSON, R. W., JR.**
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- DONNELLY, P. C.**
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- DONNINI, J. M.**
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
- DONOHUE, J. H.**
Passive dual spin misalignment compensators
[NASA-CASE-GSC-11479-1] c 35 N74-28097
Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
- DONOVAN, B. P.**
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
- DONOVAN, G.**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- DONOVAN, R. P.**
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- DOONG, H.**
Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501
Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522
- DORNE, A.**
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- DOTSON, W. P., JR.**
Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081
- DOTTS, R. L.**
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
Attachment system for silica tiles
[NASA-CASE-MSC-18741-1] c 27 N82-29456
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- DOUGHERTY, H. B.**
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- DOUGHTY, R. A.**
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- DOUGLAS, J.**
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
- DOUGLAS, J. L.**
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
- DOW, M. B.**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- DOW, N. F.**
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
- DOWLER, W. L.**
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
- DOWNING, R. G.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- DOWNES, W. R.**
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MSC-12408-1] c 46 N74-13011
- DOYLE, J. C.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- DRAPEAU, D. F.**
Slow opening valve
[NASA-CASE-MSC-20112-1] c 37 N85-20338
- DREIBACH, F. W.**
Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- DRESHFIELD, R. L.**
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- DRESSER, H. S.**
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
- DREXHAGE, M. G.**
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
- DREYFUS, M. G.**
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- DRISCOLL, K. L.**
Means for accommodating large overstrain in lead wires
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- DROST, E. J.**
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- DRUMMOND, A. S.**
Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
- DU PONT, P. S.**
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
- DUBEY, M.**
Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- DUBOIS, R. D.**
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- DUBUSKER, W.**
Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
- DUCKETT, J.**
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- DUFFY, J. O.**
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- DUNAEZ, R. A.**
Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
- DUNAVANT, J. C.**
Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
- DUNN, J. G.**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- DUNN, J. H.**
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
- DUNN, S. A.**
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- DUNN, S. T.**
Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- DUNN, T. J.**
Pre-stressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 16 N84-22601
- DUNN, W. F.**
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- DUNN, W. R.**
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- DUNNAVANT, W. R.**
Process for preparation of dianlinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
- DUNNING, J. W., JR.**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- DUPRAW, W. A.**
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- DURAN, E. N.**
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- DURNEY, G. P.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- DUSTIN, M. O.**
Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
Shock position sensor for supersonic inlets
[NASA-CASE-LEW-11915-1] c 35 N76-14431
- DWINELL, W. S.**
System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415

E

- EASLEY, W. C.**
Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- EASTERLING, M. E.**
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- EASTERLING, M. F.**
Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
- EASTON, R. A.**
Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- EATON, L. R.**
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- EBERSOLE, T. J.**
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
- EBIHARA, B. T.**
Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149
Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489
- EBY, R. J.**
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- ECKERT, E. R. G.**
Transpiration cooled turbine blade manufactured from wres Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- ECKLES, P. N.**
High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- ECONOMU, M. A.**
Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
- ECORD, G. M.**
Densification of porous refractory substrates
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates
[NASA-CASE-MSC-18736-1] c 24 N83-13172
- EDDINS, T. O.**
Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353

- EDLESON, S. K.**
Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897
- EDMAN, C. W.**
Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- EDWARDS, G. G.**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- EDWARDS, J. W.**
Apparatus for damping operator induced oscillations of a controlled system
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- EDWARDS, T. R.**
Filtering device
[NASA-CASE-MFS-22729-1] c 32 N76-21366
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701
- EGGER, R. L.**
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
- EGGERS, A. J., JR.**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- EGLI, P. H.**
Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
- EHL, J. H.**
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 27 N84-11297
Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289
- EHRENFELD, D. A.**
Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- EICHENBRENNER, F. F.**
Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
Anti-buckling fatigue test assembly
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- EICHENTHAL, J.**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
- EISENBERGER, I.**
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
- EL-AASSER, M. S.**
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- ELACHI, C.**
Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919
- ELBER, W.**
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- ELDER, N. D.**
Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
- ELIA, A. D.**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- ELIASON, J. T.**
Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
- ELKIN, B. R.**
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- ELKINS, W.**
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- ELLEMAN, D. D.**
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319
Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- ELLERN, W. B.**
Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- ELLINGSWORTH, J. R.**
Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- ELLIOTT, D. G.**
Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- ELLIOTT, R. L.**
Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- ELLIS, D. R.**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- ELLIS, H., JR.**
Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- ELLIS, S. G.**
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
- ELSNER, N. B.**
Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- EMDE, W. D.**
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- EMERY, J. C.**
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- ENGEL, A.**
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- ENGLAND, C.**
Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- ENGLAR, K. G.**
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
- ENIE, R. B.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- ENRIQUEZ, E. A.**
System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
- ENSTROM, R. E.**
Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- EPPS, C. H., JR.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- EPSTEIN, J.**
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
- EPSTEIN, P.**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- ERB, R. B.**
Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
- ERICKSON, W. D.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
- ERNEST, J. B.**
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- ERPENBACH, H.**
Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
- ERRETT, D. D.**
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
- ESCHER, W. J. D.**
Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
- ESGAR, J. B.**
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
Ophthalmic liquification pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
- ESKEW, M. H., JR.**
Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
- ESPY, P. N.**
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688
- ESTES, E. G.**
Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
- ESTES, M. F.**
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
- ESTEY, R. S.**
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931

- ESTRELLA, C. A.**
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- ETHRIDGE, E. C.**
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- ETSION, I.**
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- ETZEL, J. G.**
Laser measuring system for incremental assemblies
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- EUBANKS, A. G.**
Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- EULITZ, W. R.**
Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- EVANS, D. D.**
Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- EVANS, D. G.**
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895
- EVANS, E. H.**
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
- EVANS, F. D.**
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- EVANS, G. A.**
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- EVANS, H. E.**
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
- EVANS, J.**
Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- EVANS, J. C., JR.**
Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- EVANS, J. M., JR.**
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- EVANS, K. C.**
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- EVANS, L. G.**
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
- EVANS, P. K.**
Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- EVENSEN, D. A.**
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
- EVVARD, J. C.**
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
- EWEN, H. I.**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- EXTON, R. J.**
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216
- EZEKIEL, F. D.**
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- F**
- FAETH, P. A.**
Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
- FAGET, M. A.**
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
- FAGOT, R. J.**
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- FAKAN, J. C.**
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
- FALBEL, G.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- FALES, C. L., JR.**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- FALK, W. C.**
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
- FANG, P.**
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- FANNIN, B. B.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- FARMER, M. G.**
Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448
- FARNSWORTH, D. L.**
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- FARNSWORTH, F. D.**
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- FARRELL, R.**
Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
- FARRIS, C. D.**
Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- FARTHING, W. H.**
Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- FASSBENDER, A. G.**
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- FAULKNER, R. D.**
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
- FAY, R. J.**
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460
- FEAKES, F.**
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
- FEALEY, R. D.**
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- FEARNEHOUGH, H. T.**
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- FEATHERSTON, A. B.**
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
- FEDOR, J. V.**
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- FEDORS, R. F.**
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- FEHRENKAMP, L. G.**
Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- FEILER, C. E.**
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
- FEINBERG, P. M.**
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- FEINSTEIN, L.**
Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
- FEINSTEIN, S. P.**
Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
- FELDSTEIN, C.**
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- FELL, D. M.**
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350

- FELTNER, W. R.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
- FENG, S. Y.**
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
- FENTRESS, C. E.**
Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346
- FENWICK, J. R.**
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- FERGUSON, R. E.**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- FERRARA, L. J.**
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
- FESSLER, T. E.**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- FEWELL, L. L.**
Process for the preparation of polycarboranylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylcyctriphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- FIELDS, S. A.**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- FIET, O. O.**
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
- FIGGINS, D. A.**
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- FILIP, G. L.**
Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- FINDL, E.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- FINK, J. W.**
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- FINKE, R.**
Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 35 N84-32782
- FINKE, R. C.**
Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
- FINKEL, M. W.**
Optical scanner
[NASA-CASE-GSC-12897-1] c 74 N84-25450
- FINLEY, T. D.**
Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
- FINLEY, W. R.**
Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
- FINNERTY, A. A.**
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- FINNIE, C. J.**
Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- FISCHELL, D. R.**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- FISCHER, J. A.**
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
- FISCHER, J. R.**
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- FISH, D. C.**
Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- FISH, R. H.**
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- FISH, R. M.**
Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
- FISHER, A.**
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
- FITCH, E. J.**
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- FITTING, R. C.**
Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- FITTON, J. A., JR.**
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- FITZER, G. E.**
Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493
- FITZGERALD, D. J.**
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
- FITZGERALD, J. J.**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- FITZGERALD, J. W.**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- FITZGERALD, T. M.**
A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
- FITZMAURICE, M. W.**
Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- FLAGGE, B.**
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- FLAHERTY, R.**
Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- FLAMM, D. L.**
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- FLANNERY, E. J.**
Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- FLATAU, C. R.**
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- FLATTAU, T.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- FLEETWOOD, C. M.**
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- FLEETWOOD, C. M., JR.**
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- FLEISCHMAN, G. L.**
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- FLEMING, D. P.**
Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490
- FLETCHER, E. A.**
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- FLETCHER, I. L.**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- FLETCHER, J. C.**
Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- FLETNER, W. R.**
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
- FLIPPIN, A.**
Sun angle calculator
[NASA-CASE-MSC-12617-1] c 35 N76-29552
- FLORES, A. L.**
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- FLOYD, E. L.**
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- FOGAL, G. L.**
Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385
- FOHLEN, G. M.**
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
Amine terminated bispartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
Metal (2,4,4',4'') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- FONG, W. S.**
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- FONTANA, A.**
Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269
- FONTES, M. J.**
Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
- FOOTE, R. H.**
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- FORBES, S. G.**
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- FORD, A. G.**
Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
Speed control device for a heavy duty shaft
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- FORD, F. C.**
Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- FORD, F. E.**
Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719

- FORD, L. B.**
Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- FORD, R. R.**
Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase
Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- FOREHAND, L.**
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- FORESTIERI, A. F.**
Method of making silicon solar cell array
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- FOREHAND, L.**
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- FORESTIERI, A. F.**
Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- FORLIFER, W. R.**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- FORMAN, R.**
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- FORMAN, R.**
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
- FORMAN, R.**
Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149
- FORSYTHE, A. K.**
Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
- FORTIER, E. P.**
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- FORTINI, A.**
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
- FORTINI, A.**
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- FORTINI, A.**
Heat exchanger and method of making
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- FORTINI, A.**
Heat exchanger and method of making
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- FORTINI, A.**
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- FOSTER, J. V.**
Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
- FOSTER, J. V.**
Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
- FOSTER, L. E.**
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- FOSTER, T.**
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- FOSTER, T.**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- FOUTCH, G. L.**
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- FOWLER, J.**
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- FOWLER, J. T.**
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
- FOX, R. L.**
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
- FOX, R. L.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- FOX, R. L.**
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- FOX, W. E.**
Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
- FRALEY, T. O.**
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- FRANCISCO, A. C.**
Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
- FRANCISCUS, L. C.**
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- FRANK, H. A.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- FRANKE, J. M.**
Laser Doppler velocity simulator
[NASA-CASE-LAR-12176-1] c 36 N80-16321
- FRANKE, J. M.**
Direction sensitive laser velocimeter
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- FRANKLIN, C. R.**
Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- FRANKLIN, W. J.**
Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
- FRANKLIN, W. J.**
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- FRASER, A. S.**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- FRAZE, R. E.**
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
- FRAZER, R. E.**
Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
- FRAZER, R. E.**
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
- FRAZER, R. E.**
Strong thin membrane structure
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- FRAZER, R. E.**
Apparatus for endoscopic examination
[NASA-CASE-NPO-14092-1] c 52 N80-16725
- FRAZER, R. E.**
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- FRAZIER, M. J.**
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- FRECHE, J. C.**
High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
- FRECHE, J. C.**
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- FRECHE, J. C.**
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- FRECHE, J. C.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- FRECHE, J. C.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- FRECHE, J. C.**
Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
- FRECHE, J. C.**
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- FRECHE, J. C.**
Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
- FRECHE, J. C.**
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
- FRECHE, J. C.**
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- FRECHE, J. C.**
Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- FRECHE, J. C.**
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
- FRECHE, J. C.**
Nickel base alloy
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- FREDDO, E. H.**
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- FREDRICKSON, C. A.**
Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
- FREEDMAN, L. A.**
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- FREEMAN, E. T.**
Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- FREEMAN, R. S.**
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
- FREGGENS, R. A.**
Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
- FRENCH, J. R.**
Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- FRENCH, K. R.**
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- FRENCH, J. C.**
Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
- FRIDRICH, C. W.**
Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
- FRIEDAN, H. J.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- FRIEDEL, M. V.**
Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- FRIEDERICHS, J. E.**
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- FRIEDLANDER, S. K.**
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- FRIEDRICH, E. W.**
Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
- FRIICHTENICHT, J. F.**
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- FRIPP, A. L.**
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- FRIPP, A. L.**
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- FRIPP, A. L.**
Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- FRISBIE, H. F.**
Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- FRITZ, W. M.**
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- FRITZEN, M., JR.**
Noncontaminating swabs
[NASA-CASE-MFC-18100] c 15 N72-11390
- FRIZZILL, A. W.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- FROEHLING, S. C.**
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- FROST, J. D., JR.**
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
- FROST, J. D., JR.**
Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
- FROST, J. D., JR.**
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
- FRYER, T. B.**
Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
- FRYER, T. B.**
RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
- FRYER, T. B.**
Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
- FRYER, T. B.**
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- FRYER, T. B.**
Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- FUCHS, J. C.**
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- FUHR, W.**
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- FUHRMEISTER, P. F.**
Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
- FUJIOKA, R. S.**
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- FULCHER, C. W. G.**
Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- FULCHER, R. W.**
Low speed phaselock speed control system
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- FULLER, H. V.**
Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
- FULLER, H. V.**
Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
- FULLER, H. V.**
Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882

FULTON, D. S.
 A spillage detector for liquid chromatography systems
 [NASA-CASE-MSC-20206-1] c 25 N83-29325

FUNG, L. W.
 Massively parallel processor computer
 [NASA-CASE-GSC-12223-1] c 60 N83-25378

FUNK, B. H., JR.
 Optical probing of supersonic flows with statistical correlation
 [NASA-CASE-MFS-20642] c 14 N72-21407

FURCINITI, C. A.
 Pulse-width modulation multiplier Patent
 [NASA-CASE-XER-09213] c 07 N71-12390

FURMAN, E. R.
 Closed loop spray cooling apparatus
 [NASA-CASE-LEW-11981-1] c 31 N78-17237
 Closed loop spray cooling apparatus
 [NASA-CASE-LEW-11981-2] c 34 N79-20336

FURNER, R. L.
 Automated analysis of oxidative metabolites
 [NASA-CASE-ARC-10469-1] c 25 N75-12086

FURTSCH, T. A.
 Electrically conductive palladium containing polyimide films
 [NASA-CASE-LAR-12705-1] c 25 N82-26396

FURUMOTO, H. W.
 Optical pump and driver system for lasers
 [NASA-CASE-ERC-10283] c 16 N72-25485

FYLER, N. F.
 Very high intensity light source using a cathode ray tube
 [NASA-CASE-XNP-01296] c 33 N75-27250

FYMAT, A. L.
 Interferometer-polarimeter
 [NASA-CASE-NPO-11239] c 14 N73-12446
 High resolution Fournier
 Interferometer-spectrophotometer
 [NASA-CASE-NPO-13604-1] c 35 N76-31490
 Frequency-scanning particle size spectrometer
 [NASA-CASE-NPO-13606-2] c 35 N80-18364

G

GAALEMA, S. D.
 CCD correlated quadruple sampling processor
 [NASA-CASE-NPO-14426-1] c 33 N79-17134
 CCD correlated quadruple sampling processor
 [NASA-CASE-NPO-14426-1] c 33 N81-27396

GABROVIC, L. J.
 Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
 [NASA-CASE-XGS-02011] c 15 N71-20739

GADDIS, D. H.
 Inorganic solid film lubricants Patent
 [NASA-CASE-XMF-03988] c 15 N71-21403

GADDIS, J. L.
 Method of forming dynamic membrane on stainless steel support
 [NASA-CASE-MSC-18172-1] c 26 N80-19237

GADDY, E. M.
 Optimum performance spacecraft solar cell system
 [NASA-CASE-GSC-10669-1] c 03 N72-20031

GADE, D. W.
 Temperature regulation circuit Patent
 [NASA-CASE-XNP-02792] c 14 N71-28958

GAETANO, G.
 Fast scan control for deflection type mass spectrometers
 [NASA-CASE-LAR-11428-1] c 35 N74-34857

GAHN, R. F.
 Analytical test apparatus and method for determining oxide content of alkali metal Patent
 [NASA-CASE-XLE-01997] c 06 N71-23527
 Gels as battery separators for soluble electrode cells
 [NASA-CASE-LEW-12364-1] c 44 N77-22606
 Zirconium carbide as an electrocatalyst for the chromium-chromic redox couple
 [NASA-CASE-LEW-13246-1] c 44 N83-27344
 Negative electrode catalyst for the iron-chromium REDOX energy storage system
 [NASA-CASE-LEW-14028-1] c 44 N84-32909

GAISER, E. E.
 Color television systems using a single gun color cathode ray tube Patent
 [NASA-CASE-ERC-10098] c 09 N71-28618

GALE, G. P.
 Flow rate switch
 [NASA-CASE-NPO-10722] c 09 N72-20199

GALEN, T. J.
 Solid sorbent air sampler
 [NASA-CASE-MSC-20653-1] c 35 N85-20301

GALLAGHER, B. D.
 A process to produce fine line metallic collection patterns on semiconductor devices
 [NASA-CASE-NPO-16413-1] c 26 N85-21325

Increased voltage photovoltaic cell
 [NASA-CASE-NPO-16155-1] c 44 N85-30475

GALLAGHER, H. E.
 Construction and method of arranging a plurality of ion engines to form a cluster Patent
 [NASA-CASE-XNP-02923] c 28 N71-23081
 High efficiency ionizer assembly Patent
 [NASA-CASE-XNP-01954] c 28 N71-28850

GALLO, A. J.
 Rapid sync acquisition system Patent
 [NASA-CASE-NPO-10214] c 10 N71-26577

GALLOWAY, C. W.
 Gas-to-hydraulic power converter
 [NASA-CASE-MSC-18794-1] c 44 N83-14693

GAMMELL, P. M.
 Hyperthermia heating apparatus
 [NASA-CASE-NPO-14549-2] c 52 N82-33996

GANGULI, P. S.
 Coal desulfurization process
 [NASA-CASE-NPO-13937-1] c 44 N78-31527

GARAVAGLIA, A. P.
 Shoulder harness and lap belt restraint system
 [NASA-CASE-ARC-10519-2] c 05 N75-25915

GARBA, J. A.
 Pressure seal Patent
 [NASA-CASE-NPO-10796] c 15 N71-27068

GARCIA, R. D.
 Radiative cooler
 [NASA-CASE-NPO-15465-1] c 34 N84-22903

GARD, L. H.
 Computerized system for translating a torch head
 [NASA-CASE-MFS-23620-1] c 37 N79-10421

GARDNER, D. E.
 Wire grid forming apparatus Patent
 [NASA-CASE-XLE-00023] c 15 N70-33330

GARDNER, J. N.
 Technique of elbow bending small jacketed transfer lines Patent
 [NASA-CASE-XNP-10475] c 15 N71-24679

GARDNER, M. R.
 Heating and cooling system
 [NASA-CASE-LAR-12393-1] c 34 N83-34221

GARDNER, M. S.
 Differential pressure cell Patent
 [NASA-CASE-XAC-00042] c 14 N70-34816

GARDOS, M. N.
 Refractory porcelain enamel passive control coating for high temperature alloys
 [NASA-CASE-MFS-22324-1] c 27 N75-27160

GARFEIN, A.
 Pressure sensitive transducers Patent
 [NASA-CASE-ERC-10087] c 14 N71-27334
 Electricity measurement devices employing liquid crystalline materials
 [NASA-CASE-ERC-10275] c 26 N72-25680
 Semiconductor transducer device
 [NASA-CASE-ERC-10087-2] c 14 N72-31446

GARMIRE, E. M.
 Optical frequency waveguide Patent
 [NASA-CASE-HQN-10541-1] c 07 N71-26291
 Laser machining apparatus Patent
 [NASA-CASE-HQN-10541-2] c 15 N71-27135
 Optical frequency waveguide and transmission system Patent
 [NASA-CASE-HQN-10541-4] c 16 N71-27183
 Optical frequency waveguide and transmission system
 [NASA-CASE-HQN-10541-3] c 23 N72-23695

GARMIRE, G.
 X-ray position detector
 [NASA-CASE-NPO-12087-1] c 74 N81-19898

GARNER, H. D.
 Jet shoes
 [NASA-CASE-XLA-08491] c 05 N69-21380
 Dynamic precession damper for spin stabilized vehicles Patent
 [NASA-CASE-XLA-01989] c 21 N70-34295
 Attitude orientation of spin-stabilized space vehicles Patent
 [NASA-CASE-XLA-00281] c 21 N70-36943
 Fluid pressure amplifier and system
 [NASA-CASE-LAR-10868-1] c 33 N74-11050
 Magnetic heading reference
 [NASA-CASE-LAR-11387-1] c 04 N76-20114
 Magnetic heading reference
 [NASA-CASE-LAR-11387-2] c 04 N77-19056
 Magnetic heading reference
 [NASA-CASE-LAR-12638-1] c 04 N84-14132
 Heads up display
 [NASA-CASE-LAR-12630-1] c 06 N84-27733

GARRAHAN, N. M.
 Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
 [NASA-CASE-XGS-03427] c 10 N71-23029
 Resettable monostable pulse generator Patent
 [NASA-CASE-GSC-11139] c 09 N71-27016

GARREN, J. F., JR.
 Mechanical stability augmentation system Patent
 [NASA-CASE-XLA-06339] c 02 N71-13422
 Filtering technique based on high-frequency plant modeling for high-gain control
 [NASA-CASE-LAR-12215-1] c 08 N79-23097

GARRETT, H.
 A dc to dc converter
 [NASA-CASE-MFS-25430-1] c 33 N84-16453

GARWOOD, D. C.
 Ionization vacuum gauge Patent
 [NASA-CASE-XNP-00646] c 14 N70-35666

GARY, B. L.
 CAT altitude avoidance system
 [NASA-CASE-NPO-15351-1] c 06 N83-10040
 System for indicating fuel-efficient aircraft altitude
 [NASA-CASE-NPO-15351-2] c 06 N84-34443

GASSER, M. G.
 Stirling cycle cryogenic cooler
 [NASA-CASE-GSC-12697-1] c 31 N82-11312
 Stirling cycle cryogenic cooler
 [US-PATENT-4,389,849] c 44 N83-28574

GASTON, D. H.
 Masking device Patent
 [NASA-CASE-NXP-02092] c 15 N70-42033

GASTON, R. P., JR.
 Landing gear Patent
 [NASA-CASE-XMF-01174] c 02 N70-41589

GATES, D. W.
 Stabilized zinc oxide coating compositions Patent
 [NASA-CASE-XMF-07770-2] c 18 N71-26772
 Synthesis of zinc titanate pigment and coatings containing the same
 [NASA-CASE-MFS-13532] c 18 N72-17532
 Method of preparing zinc orthotitanate pigment
 [NASA-CASE-MFS-23345-1] c 27 N77-30237

GATES, J. D.
 Self-erecting reflector Patent
 [NASA-CASE-XGS-09190] c 31 N71-16102

GATES, L. E., JR.
 Method for fiberizing ceramic materials Patent
 [NASA-CASE-XNP-00597] c 18 N71-23088

GATEWOOD, J. R.
 Thin film temperature sensor and method of making same
 [NASA-CASE-NPO-11775] c 26 N72-28761

GATLIN, J. A.
 Cartwheel satellite synchronization system Patent
 [NASA-CASE-XGS-05579] c 31 N71-15676
 Gravity gradient attitude control system Patent
 [NASA-CASE-GSC-10555-1] c 21 N71-27324
 Sampled data controller Patent
 [NASA-CASE-GSC-10554-1] c 08 N71-29033

GATTI, A.
 Catalyst for growth of boron carbide single crystal whiskers
 [NASA-CASE-XHQ-03903] c 15 N69-21922

GAUSE, R. L.
 Restraint system for ergometer
 [NASA-CASE-MFS-21046-1] c 14 N73-27377
 Ergometer
 [NASA-CASE-MFS-21109-1] c 05 N73-27941
 Tilting table for ergometer and for other biomedical devices
 [NASA-CASE-MFS-21010-1] c 05 N73-30078
 Manual actuator
 [NASA-CASE-MFS-21481-1] c 37 N74-18127
 Conductive elastomeric extensometer
 [NASA-CASE-MFS-21049-1] c 52 N74-27864
 Ergometer calibrator
 [NASA-CASE-MFS-21045-1] c 35 N75-15932

GAUTHIER, M. K.
 Method for analyzing radiation sensitivity of integrated circuits
 [NASA-CASE-NPO-14350-1] c 33 N80-14332

GAVALAS, G. R.
 Coal desulfurization process
 [NASA-CASE-NPO-13937-1] c 44 N78-31527

GAVIRA, H. E.
 Failsafe multiple transformer circuit configuration
 [NASA-CASE-NPO-11078] c 09 N72-25262

GAVRILLIS, T. G.
 Turnstile and flared cone UHF antenna
 [NASA-CASE-LAR-10970-1] c 33 N76-14372

GAY, C. H., JR.
 Tip cap for a rotor blade
 [NASA-CASE-LEW-13654-1] c 07 N84-22560

GDULA, W. G.
 Recovery of radiation damaged solar cells through thermal annealing
 [NASA-CASE-XGS-04047-2] c 03 N72-11062

GEBBEN, V. D.
 Circuit for detecting initial systole and diastolic notch
 [NASA-CASE-LEW-11581-1] c 54 N75-13531

- GEDWILL, M. A.**
Method of protecting the surface of a substrate
[NASA-CASE-LEW-11696-1] c 37 N75-13261
Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- GEE, S. W.**
Terminal guidance system
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- GEHRING, W. E.**
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- GEIDEMAN, W. A., JR.**
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- GEIER, D. J.**
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- GEIPEL, D. H.**
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- GEISE, P. E., JR.**
FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- GELB, L. L.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- GELDERLOOS, H. J. C.**
Reconfiguring redundancy management
[NASA-CASE-MS-18498-1] c 60 N82-29013
- GELLES, R.**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
- GENTER, R. E.**
Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- GEORGE, T. R., JR.**
Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
- GERDTS, J. C.**
Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- GERINGER, H. J.**
Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
- GERMANN, E. F., JR.**
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- GERTSMA, L. W.**
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
- GETCHELL, D. E.**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
- GETTELMAN, C. C.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- GIACCONI, R.**
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- GIANATASIO, A.**
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- GIANDOMENICO, A.**
Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- GIANNINI, G. M.**
Combination automatic-starting electrical plasma torch and gas shutoff valve
[NASA-CASE-XLE-10717] c 37 N75-29426
- GIBSON, F. W.**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204
- GIBSON, J. C.**
Self-indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N84-20860
- GIFFIN, C. E.**
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- GILBERT, G. J.**
Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
- GILBREATH, W. P.**
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- GILCHRIST, C. E.**
Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
- GILES, R. M. F.**
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
- GILKISON, C. A.**
Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962
- GILL, W. L.**
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
- GILLERMAN, J. B.**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MS-10960-1] c 03 N71-24718
- GILLESPIE, W., JR.**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052
- GILLETTE, R. B.**
Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- GILLEY, G. C.**
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914
- GILLEY, P. J.**
Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476
- GILLIGAN, J. E.**
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- GILLILAND, C. S.**
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- GILLMORE, W. F.**
Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177
- GILMAN, M. M.**
Flanged major modular assembly jig
[NASA-CASE-MS-19372-1] c 39 N76-31562
- GILREATH, M. C.**
Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- GILWEE, W. J.**
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- GILWEE, W. J., JR.**
Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- GIN, B.**
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- GIN, W.**
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- GINER, J. D.**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- GINSBURG, A.**
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- GIORGINI, E. A.**
Self-contained breathing apparatus
[NASA-CASE-MS-14733-1] c 54 N76-24900
- GIOVANNETTI, A., JR.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- GIRALA, A. S.**
Open type urine receptacle
[NASA-CASE-MS-12324-1] c 05 N72-22093
Open ended tubing cutters
[NASA-CASE-MS-18538-1] c 37 N82-26672
- GISLER, G. L.**
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299
- GLASER, P. E.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- GLASGOW, T. K.**
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- GLASSEY, E. A.**
Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
- GLAWE, G. E.**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- GLEASON, J. R.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- GLEKAS, L. P.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- GLENN, C. G.**
Manual actuator
[NASA-CASE-MFS-21481-1] c 37 N74-18127
Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864
- GLENN, D. C.**
Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
- GLOBUS, R. H.**
Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- GLOMB, W. L.**
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- GLORIA, H. R.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- GOERING, R. S.**
Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672
- GOETZ, A. F. H.**
Multispectral imaging and analysis system
[NASA-CASE-NPO-13691-1] c 43 N79-17288
Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- GOETZ, C.**
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- GOLD, H.**
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- GOLD, H. S.**
Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
- GOLDBERG, G. I.**
Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- GOLDBERG, J.**
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
- GOLDEN, D. P., JR.**
Contourograph system for monitoring electrocardiograms
[NASA-CASE-MS-13407-1] c 10 N72-20225
Apparatus and method for processing Korotkov sounds
[NASA-CASE-MS-13999-1] c 52 N74-26626
- GOLDMAN, G. C.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- GOLDOWSKIY, M. P.**
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337
- GOLDOWSKY, M.**
Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312
- GOLDOWSKY, M. P.**
Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332

- Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
- GOLDSBERRY, R. E.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- GOLDSCHMIED, F. R.**
Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- GOLDSMITH, J. V.**
Solar battery with interconnecting means for plural cells
Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
- GOLDSTEIN, A. W.**
Supersonic fan blading
[NASA-CASE-LEW-11402-1] c 07 N74-28226
- GOLDSTEIN, B. E.**
Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- GOLDSTEIN, C. S.**
Dynamic capacitor having a peripherally driven element
and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
- GOLDSTEIN, H. E.**
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
High temperature glass thermal control structure and
coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- GOLDSTEIN, I.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- GOLDSTEIN, R.**
Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- GOLDSTEIN, R. M.**
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Apparatus for deriving synchronizing pulses from pulses
in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital
communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
Method and apparatus for contour mapping using
synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- GONZALEZ-SANABRIA, O. D.**
Alkaline battery containing a separator of a cross-linked
copolymer of vinyl alcohol and unsaturated carboxylic
acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- GOODLOE, R. R.**
Telephone multiline signaling using common signal
pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- GOODRICH, J. A.**
Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
- GOODWIN, F. E.**
Opto-mechanical subsystem with temperature
compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- GOODWIN, R. A.**
Spectroscopy equipment using a slender cylindrical
reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- GOODYER, M. J.**
Stagnation pressure probe
[NASA-CASE-LAR-11139-1] c 35 N74-32878
- GOOKIN, R. E.**
System for synchronizing synthesizers of communication
systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
- GORADIA, C. P.**
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- GORDON, B. L.**
Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485
- GORDON, W. A.**
Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987
- GORELICK, D.**
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- GORSTEIN, M.**
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- GOSS, W.**
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- GOSS, W. C.**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
Ranging system which compares an object reflected
component of a light beam to a reference component of
the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- GOULD, C. W.**
Printed circuit board with bellows rivet connection
Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
- GOULD, J. M.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- GOULD, W. I., JR.**
Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- GRAAB, J. W.**
Analytical test apparatus and method for determining
oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- GRABOWSKI, J. P.**
Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- GRAESE, R. W.**
Thermal protection system
[NASA-CASE-MS-C-18796-1] c 24 N82-26389
- GRAFF, J.**
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- GRAFSTEIN, D.**
Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- GRAHAM, O. L.**
Color television system
[NASA-CASE-MS-C-12146-1] c 07 N72-17109
- GRAHAM, R. A.**
Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- GRAHAM, R. W.**
Liquid storage tank venting device for zero gravity
environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- GRAN, A. A.**
Venting device for pressurized space suit helmet
Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- GRANA, D.**
Apparatus and process for microbial detection and
enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- GRANA, D. C.**
Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
Natural turbulence electrical power generator
[NASA-CASE-LAR-11551-1] c 44 N80-29834
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493
Flow through bacteria detection system
[NASA-CASE-LAR-12871-1] c 35 N85-29218
- GRANATA, R. L.**
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- GRANETT, D.**
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] c 71 N84-16948
Gravity enhanced acoustic levitation method and
apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
- GRANT, D. J.**
Passively regulated water electrolysis rocket engine
Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
Fluid flow meter with comparator reference means
Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
- GRANT, G. R.**
Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- GRANT, M. M.**
Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
- GRANT, P. A.**
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
- GRANT, W. B.**
Portable remote laser sensor for methane leak
detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- GRANTHAM, W. L.**
Means for measuring the electron density gradients of
the plasma sheath formed around a space vehicle
Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980
- GRASSO, A. P.**
Reactant pressure differential control for fuel cell
gases
[NASA-CASE-MS-C-20127-2] c 37 N85-34403
- GRAY, C. E.**
Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
- GRAY, D. L.**
Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- GRAY, D. T.**
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- GRAY, J. L.**
Automatic lightning detection and photographic
system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
- GRAY, N. C.**
Fire extinguishing apparatus having a slidable mass for
a penetrator nozzle
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- GRAY, O. E.**
Hermetically sealable package for hybrid solid-state
electronic devices and the like
[NASA-CASE-MS-C-20181-1] c 33 N82-28549
- GRAY, V. H.**
Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911
Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952
Space vehicle with artificial gravity and earth-like
environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750
- GRAYSON, J. H.**
Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
- GREBE, V. J.**
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- GREEB, F. J.**
Variable ratio mixed-mode bilateral master-slave control
system for shuttle remote manipulator system
[NASA-CASE-MS-C-14245-1] c 18 N75-27041
- GREEN, A. T.**
Method and apparatus for nondestructive testing of
pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- GREEN, C. W., JR.**
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- GREEN, E. D.**
Linear sawtooth voltage-wave generator employing
transistor timing circuit having capacitor-zener diode
combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- GREEN, G.**
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

- GREEN, K. A.**
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- GREEN, R. G.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- GREEN, R. R.**
Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- GREEN, W. L.**
Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- GREENBERG, J.**
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
- GREENLEAF, J. E.**
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- GREENWOOD, T. D.**
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- GREENWOOD, T. L.**
Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- GREGORY, D. A.**
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
- GREGORY, J. W.**
Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
- GREGORY, T. J.**
Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- GRIEVE, S. M.**
Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
- GRIFFIN, C. E.**
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- GRIFFIN, C. R.**
Antenna deployment mechanism for use with a spacecraft
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- GRIFFIN, F. D.**
Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- GRIFFIN, R. N.**
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- GRIFFIN, W. S.**
Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741
- GRIFFITH, G. E.**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- GRINER, D. B.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- GRISAFFE, S. J.**
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
Method of protecting the surface of a substrate
[NASA-CASE-LEW-11696-1] c 37 N75-13261
Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
Fused silicide coatings containing discrete particles for protecting niobium alloys
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- GRISWOLD, R. H., JR.**
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- GROBMAN, J.**
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- GROHMANN, K.**
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- GROOM, N. J.**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-1] c 35 N79-26372
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- GROSE, W. L.**
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- GROSS, C.**
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Electronically scanned pressure sensor module with in SITU calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
- GROSS, W. J.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- GROTH, W. G.**
Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- GROVE, C. H.**
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- GROVES, W. O.**
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- GRUBBS, T. M.**
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599
- GRUBER, C. L.**
Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- GRUBER, R. P.**
Closed Loop solar array-on thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663
- GRUNBAUM, B. W.**
Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- GRUNTHANER, F. J.**
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- GUEST, S. H.**
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- GUILLOTTE, R. J.**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
- GUISINGER, J. E.**
Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
Thermomagnetic recording and magneto-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- GUIST, L. R.**
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- GUNGLE, R. L.**
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
- GUNTER, W. D., JR.**
Multiple pass reimagining optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783
Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N85-20320
- GUPTA, A.**
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- GURTLER, C. A.**
Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
- GUSSOW, S. S.**
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- GUSTAFSON, G. L.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-GIS-01052] c 14 N71-15992
- GUSTINCIC, J. J.**
Microwave limb sounder
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- GUTKOWSKI, G. P.**
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
- GUTSHALL, R. L.**
Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- GUY, J. T., SR.**
Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
- GYORGAK, C. A.**
Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817

H

- HABBAL, N. A.**
Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164
- HABRA, J. H.**
Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- HADEK, V.**
Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- HADLAND, W. O.**
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
- HADLEY, H. C., JR.**
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- HADT, W. F.**
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- HADY, W. F.**
High speed, self-acting shaft seal
[NASA-CASE-LEW-11274-1] c 37 N75-21631
- HAEHNER, C. L.**
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N78-31489
- HAERTHER, L. W.**
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- HAUSSERMANN, W.**
Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
Magnetic field control
[NASA-CASE-MFS-23828-1] c 33 N82-26569
- HAFLE, R. S.**
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- HAGEDORN, N. H.**
Negative electrode catalyst for the iron-chromium REDOX energy storage system
[NASA-CASE-LEW-14028-1] c 44 N84-32909
- HAGIHARA, F. S.**
Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
- HAGOOD, G. J., JR.**
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- HAINES, R. F.**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
Simulator scene display evaluation
[NASA-CASE-ARC-11504-1] c 09 N84-16221
- HALE, R. R.**
Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- HALEY, C. T.**
Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- HALEY, F. C.**
Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- HALL, A. C.**
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- HALL, D. F.**
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
- HALL, E. D.**
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- HALL, E. H.**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- HALL, J. B., JR.**
Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- HALL, J. F., JR.**
Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
- HALL, J. H.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- HALLAM, K. L.**
Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N85-20868
- HALLBERG, F. C.**
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083
- HALLOCK, J. N.**
Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- HALPERT, G.**
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- HAMERMESH, C. L.**
Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- HAMLET, J. F.**
Automatic quadrature control and measuring system
[NASA-CASE-MFS-21660-1] c 35 N74-21017
LC-oscillator with automatic stabilized amplitude via bias current control
[NASA-CASE-MFS-21698-1] c 33 N74-26732
- HAMMACK, J. B.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- HAMMOND, A. D.**
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- HANCHEY, K. K.**
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- HAND, P. J.**
Temperature compensated digital inertial sensor
[NASA-CASE-NPO-13044-1] c 35 N74-15094
- HANDLYKKEN, M. B.**
Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- HANGER, R. T.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- HANKINSON, T. W. E.**
Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- HANNA, M. F.**
Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
- HANSEN, D. O.**
Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293
- HANSEN, G. R.**
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- HANSEN, G. R., JR.**
Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
- HANSEN, I. G.**
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
- HANSEN, S.**
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429
- HANSON, M. P.**
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
- HANSON, P. W.**
Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264
- HANSON, R. N.**
Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- HANST, P. L.**
Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
- HAO, K. E.**
A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- HARADA, Y.**
Method of prepanning zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- HARALSON, H. S.**
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- HARAWAY, W. M., JR.**
Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- HARD, T. M.**
Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- HARDGROVE, W. F.**
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- HARDY, J. C.**
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
- HARMAN, J. N., III**
Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
- HARMS, V. W.**
Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
- HAROULES, G. G.**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- HARPER-TERVET, J.**
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- HARPER, C. A.**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- HARPER, L. L.**
Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- HARPER, P. M., SR.**
Improved tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N80-18402
Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
- HARRAP, V.**
Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205

- HARRIGILL, W. T., JR.**
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- HARRIS, D. M.**
Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- HARRIS, R. F.**
Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
- HARRIS, R. P.**
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N84-16986
- HARRIS, R. V., JR.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- HARRISON, D. R.**
Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- HARRISON, E. S.**
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- HARRISON, F. L.**
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- HARRISON, R. G., JR.**
Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- HARSTAD, K. G.**
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- HART-SMITH, L. J.**
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N84-20859
- HARTENSTEIN, R. G.**
Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- HARTING, D. R.**
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
- HARTMANN, M. J.**
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- HARTOP, R. W.**
Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- HARVEY, G. A.**
Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419
- HARVEY, W. D.**
Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
- HARWELL, R. J.**
Nonflammable coating compositions
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- HASBACH, W. A.**
Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
- HASKELL, R. E.**
Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584
Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297
- HASLETT, R. A.**
Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N84-32748
- HASLIM, L. A.**
Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- HASSAN, A. A.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092
- HASSLER, J. M., JR.**
Remote pivot decoupler pylon Wing/store suppression
[NASA-CASE-LAR-13173-1] c 05 N85-19981
- HASSON, D. F.**
Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- HATAKEYAMA, L. F.**
Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853
- HATCH, J. E.**
Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
- HATCHER, N. M.**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
- HATFIELD, J. J.**
Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507
- HATHAWAY, M. E.**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
- HAUGE, G.**
Low distortion automatic phase control circuit
[NASA-CASE-MFS-21671-1] c 33 N74-22885
- HAURY, V. E.**
Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699
Hydrazinium nitroformate propellant with saturated polymenc hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
- HAUSER, J. A.**
High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- HAVENS, D. E.**
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- HAVENS, S. J.**
Ethynyl-terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-1] c 27 N84-28988
- HAWKINS, C. A.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- HAWLEY, J. J.**
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
- HAWLEY, W. W.**
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- HAYDEN, R. R.**
Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
- HAYNES, D. P.**
Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
- HAYNES, J. L.**
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- HAYNIE, C. C.**
Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- HAYNIG, C. C.**
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- HAYNOS, J. G.**
Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- HAYS, L. G.**
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
Flow control valve
[NASA-CASE-NPO-11951-1] c 37 N74-21065
- HEARN, C. P.**
Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
- Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- HEBERLIG, J. C.**
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
- HECHT, R.**
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- HECKELMAN, J. D.**
Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
- HECKLER, C. H.**
Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- HEDGEPEETH, J. M.**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- HEDLUND, R. C.**
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
- HEER, E.**
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- HEFFERMAN, J. T.**
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- HEFFERNAN, J. T.**
Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225
- HEFLINGER, L. O.**
Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
Microbalance
[NASA-CASE-MSC-11242] c 35 N78-17358
- HEFNER, J. N.**
Combined inlet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
- HEIDMANN, M. F.**
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
- HEIDT, M. F.**
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- HEIER, W. C.**
Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124
Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
Molding apparatus
[NASA-CASE-LAR-10489-2] c 31 N74-32920
Evacuated, displacement compression mold
[NASA-CASE-LAR-10782-2] c 31 N75-13111
Molded composite pyrogen igniter for rocket motors
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- HEIMBUCH, A. H.**
Chromato-fluorographic drug detector
[NASA-CASE-ARC-10633-1] c 25 N74-26947
Vinyl styrylpyridines and their copolymerization with bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341
High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- HEIMERL, G. J.**
Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
- HEIN, L. A.**
Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
Spherical bearing
[NASA-CASE-MFS-23447-1] c 37 N79-11404
Amplified wind turbine apparatus
[NASA-CASE-MFS-23630-1] c 44 N82-24639

- Resilient seal ring assembly with spring means applying force to wedge member
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- Tube coupling device
[NASA-CASE-MFS-25964-1] c 37 N85-20378
- HEINDL, J. C.**
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
- HEINEMANN, K.**
Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732
Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- HEINEY, O. K.**
Self-obturator, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247
- HEISMAN, R. M.**
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- HELBERT, W. B., JR.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- HELD, D. N.**
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- HELLBAUM, R. F.**
Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
- HELLER, C.**
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300
- HELLER, J. A.**
Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- HELLMANN, R. F.**
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- HELMAN, D. D.**
Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- HELMS, C. R.**
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- HENDEL, F. J.**
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
- HENDERSON, M. E.**
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- HENDRICKS, H. D.**
Method of detecting oxygen in a gas
[NASA-CASE-LAR-10668-1] c 06 N73-16106
- HENLEY, W. H.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- HENNIGAN, T. J.**
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
- HENRY, A. W.**
Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- HENRY, B. Z., JR.**
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- HENRY, V. F.**
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- HEPNER, T. E.**
Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273
- HEPPNER, J. P.**
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- HERBELL, T. P.**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- HERGENROTHER, P. M.**
Polypheylquinoxalines containing pendant phenylethynyl and ethynyl groups
[NASA-CASE-LAR-12838-1] c 27 N83-34040
Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 27 N84-22747
Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N84-28987
Ethynyl-terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-1] c 27 N84-28988
Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom
[NASA-CASE-LAR-13262-1] c 23 N85-28973
- HERMAN, C. F.**
Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- HERMANN, A. M.**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- HERMESMEYER, C. E.**
Method and apparatus for quadrupole-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- HEROLD, C. P.**
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- HERR, R. W.**
A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
- HERRMANN, A. L.**
Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
- HERRON, B. G.**
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
- HESLIN, T. M.**
Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471
- HESPENHIDE, W. H.**
Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
- HESS, D. A.**
Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- HESS, R. V.**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- HESS, R. W.**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
Oscillating pressure device for dynamic calibration of pressure transducers
[NASA-CASE-LAR-13094-1] c 35 N85-29217
- HESTER, H. B.**
Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
- HETHCOAT, J. P.**
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
- HEWES, D. E.**
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- HEWITT, D. R.**
Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- HEYMAN, J. S.**
Ultrasonic calibration device
[NASA-CASE-LAR-11435-1] c 35 N76-15432
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
Pseudo continuous wave instrument
[NASA-CASE-LAR-12260-1] c 35 N79-10390
CDS solid state phase insensitive ultrasonic transducer
[NASA-CASE-LAR-12304-1] c 35 N80-20559
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
Pulsed phase locked loop strain monitor
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
Improved impact tolerant material
[NASA-CASE-LAR-12887-1] c 24 N84-20649
Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- HEYSER, R. C.**
Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
Method for shaping and aiming narrow beams
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- HEYSON, H. H.**
Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246
- HIEDA, L. S.**
Controller for computer control of brushless dc motors
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- HIGA, W. H.**
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- HIGBY, R. F.**
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- HIGH, R. W.**
Meteoroid capture cell construction
[NASA-CASE-MSC-12423-1] c 91 N76-30131
- HILBERT, E. E.**
Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- HILBORN, E. H.**
Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
- HILDEBRANDT, A. F.**
Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
- HILDNER, E.**
Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 89 N84-17084
- HILKER, W. R.**
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- HILL, E. K.**
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
- HILL, O. E.**
Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183

- HILL, P. R.**
Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
Kinesthetic control simulator
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- HILL, W. E.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- HILLBERG, E. T.**
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
- HILLBORN, E. H.**
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- HILLIS, D. A.**
Drit compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- HILLMAN, C. E., JR.**
Snap-in compressible biomedical electrode
[NASA-CASE-MS-14623-1] c 52 N77-28717
- HILLMAN, J. J.**
Thermal compensator for closed-cycle helium refrigerator
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- HILTON, G. E.**
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- HIMMELRIGHT, R. M.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- HINKLEY, E. D., JR.**
Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- HIRAYAMA, C.**
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- HIRSHFIELD, S. M.**
Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- HITCHMAN, M. J.**
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- HOBBART, H. F.**
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- HOBBES, A. J.**
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
- HOBLIN, L. E.**
Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
- HOCHMAIR, E. S.**
Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
Integrable power gyrator
[NASA-CASE-MFS-22342-1] c 33 N75-30428
- HODDER, D. T.**
Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- HODGE, P. E.**
Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- HODGES, D. H.**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- HOFFLER, G. W.**
Apparatus and method for processing Korotkov sounds
[NASA-CASE-MS-13999-1] c 52 N74-26626
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- HOFFMAN, C. A.**
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- HOFFMAN, D. G.**
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- HOFFMAN, E. L.**
Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
- HOFFMAN, H. C.**
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064
- HOFFMAN, I. S.**
Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
- HOFFMAN, L. A.**
Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
- HOFFMAN, T. E.**
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- HOHL, F.**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- HOKLO, K. H.**
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
- HOLDEMAN, L. B.**
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- HOLDEN, G. R.**
Balanced bellows spirometer
[NASA-CASE-LAR-01547] c 05 N69-21473
- HOLDERER, O. C.**
Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
- HOLDERMAN, L. B.**
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- HOLDREN, R. T., III**
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
- HOLDS, J. K.**
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- HOLESKI, D. E.**
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- HOLKO, K. H.**
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
Diffusion welding in air
[NASA-CASE-LEW-11387-1] c 37 N74-18128
Diffusion welding
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- HOLLAHAN, J. R.**
Method of preparing water purification membranes
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- HOLLAND, L. R.**
Apparatus and method for heating a material in a transparent ampoule
[NASA-CASE-MFS-25436-1] c 27 N83-36220
High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N84-16986
- HOLLAND, V. B.**
Signal conditioning circuit apparatus
[NASA-CASE-ARC-10348-1] c 33 N75-19518
- HOLLANDER, J.**
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- HOLLANHAN, J. R., JR.**
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- HOLLEMAN, E. C.**
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
- HOLLENBAUGH, R. C.**
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
- HOLLEY, L. D.**
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
- HOLLIDAY, M. L.**
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
- HOLLIDAY, R. J.**
Method of making macrocrystalline or single crystal semiconductive material and products produced thereby
[NASA-CASE-NPO-15904-1] c 76 N83-21993
- HOLLIS, B. R., JR.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- HOLLOW, R. H.**
Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- HOLMAN, E. V.**
Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
- HOLMES, B. J.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092
- HOLMES, B. K.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- HOLMES, H. K.**
Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
- HOLMES, J. F.**
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- HOLMES, L., JR.**
Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031
- HOLMES, M.**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- HOLMES, R. F.**
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- HOLMES, S. J.**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
- HOLMES, T. H.**
Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
- HOLMES, W. T.**
Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
- HOLMSTROM, F. R.**
Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- HOLLOWACH, J.**
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- HOLT, H. M.**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- HOLT, J. W.**
Attachment system for silica tiles
[NASA-CASE-MS-18741-1] c 27 N82-29456
Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- HOLT, N. I.**
Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
- HOLTZE, R. F.**
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895

- HOLWAY, H. P.**
Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- HOMKES, R. J.**
Multiparameter vision testing apparatus
[NASA-CASE-MS-C-13601-2] c 54 N75-27759
- HONEY, R. W.**
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
- HONEYCUTT, L., III**
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- HONG, J. P.**
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- HONG, S. D.**
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- HONNELL, M. A.**
Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- HOOD, R. T.**
Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037
- HOOD, W. R.**
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- HOOP, J. M.**
Method and apparatus for nondestructive testing
[NASA-CASE-MFS-21233-1] c 38 N74-15395
Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
- HOOPER, C. D.**
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
- HOOPER, S. L.**
Self-charging metering and dispensing device for fluids
[NASA-CASE-MS-C-20275-1] c 35 N85-21595
- HOOVER, R. B.**
Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
Multiplate focusing collimator
[NASA-CASE-MFS-20932-1] c 35 N75-19616
Method for retarding dye fading during archival storage of developed color photographic film
[NASA-CASE-MFS-23250-1] c 35 N82-11432
Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015
Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 89 N84-17084
- HOOVER, R. J.**
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
- HOPKINS, P. M.**
Differential phase shift keyed communication system
[NASA-CASE-MS-C-14065-1] c 32 N74-26654
Differential phase shift keyed signal resolver
[NASA-CASE-MS-C-14066-1] c 33 N74-27705
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MS-C-16461-1] c 33 N79-11313
- HOPKINS, V.**
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
- HOPPER, J. H.**
Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- HOPPING, R. L.**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- HORNE, W. B.**
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
- HORNER, J. L.**
Optical noise suppression device and method
[NASA-CASE-MS-C-12640-1] c 74 N76-31998
- HORTON, D. B.**
Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
- HORTON, J. C.**
Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- HORTTOR, R. L.**
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- HOSENTHIEHN, H. H.**
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- HOTZ, G. M.**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
Burrwing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- HOUCK, W. H.**
Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- HOUSEMAN, J.**
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
Combustion engine
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826
- HOWARD, E. A.**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
Burrwing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- HOWARD, F. S.**
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Geysening inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
- HOWARD, J. C.**
Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806] c 06 N74-27872
G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
- HOWARD, P. W.**
Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
- HOWARD, W. D.**
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
- HOWARD, W. H.**
Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
Tread drum for animals
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- HOWARTH, J. T.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MS-C-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MS-C-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MS-C-14331-3] c 27 N78-32262
- HOWE, R. D.**
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- HOWE, T. L.**
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- HOWELL, B. J.**
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N85-20868
- HOWELL, J. R.**
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- HOWELL, W. E.**
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- HOWELL, W. L.**
Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- HOWLAND, B. T.**
High pressure air valve Patent
[NASA-CASE-MS-C-11010] c 15 N71-19485
- HOYT, H. E.**
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- HOYT, R. F.**
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
- HRACH, F. J.**
Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
- HRASTAR, J. A.**
Apparatus for and method of compensating dynamic imbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
- HRON, R. L.**
Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
- HRUBY, R. J.**
Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
Transient video signal recording with expanded playback
[NASA-CASE-ARC-10003-1] c 09 N71-25866
Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- HRYNIEWIECKI, E.**
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238
- HSU, G. C.**
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

- Coal desulfurization
[NASA-CASE-NPO-14272-1] c 25 N81-33246
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- HSU, L. C.**
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- HSU, M. T. S.**
Vinyl styrylpyridines and their copolymerization with bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341
Light weight fire resistant graphite composites
[NASA-CASE-ARC-11615-1-SB] c 24 N85-28976
High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- HSU, Y.-Y.**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- HUANG, M. Y.**
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- HUBBARD, W. P.**
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- HUBBELL, T. E., JR.**
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-1] c 26 N85-21324
- HUBER, C. S.**
Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096
- HUBER, R. F.**
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- HUBER, W. C.**
Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- HUDGINS, J. L.**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731
- HUDIS, M.**
Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- HUDOCK, R. J.**
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- HUDSON, O. K.**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- HUDSPETH, T.**
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
- HUELSMAN, L. P.**
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- HUEY, D. C.**
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- HUFF, R. G.**
Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490
- HUFFAKER, R. M.**
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- HUGGINS, C. T.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- HUGHES, B. C.**
Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
- HUGHES, C. T.**
Method for forming pyrrole molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- HUGHES, D. B.**
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
- HUGHES, F. M.**
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- HULL, R. A.**
Moving body velocity arresting line
[NASA-CASE-LAR-12372-1] c 37 N82-18601
- HULT, T. D.**
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- HUMBERT, J. E.**
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- HUMENIK, F. M.**
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- HUMES, D. H.**
Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
- HUMMER, R. F.**
Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- HUMPHREY, D. E.**
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- HUMPHREY, M. F.**
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- HUNEIDI, F.**
Device for determining frost depth and density
[NASA-CASE-NFS-25754-1] c 35 N84-28018
- HUNGERFORD, W. J.**
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- HUNKELER, R. E.**
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- HUNT, G. H.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- HUNT, J. G.**
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- HUNT, J. L.**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- HUNT, S. R., JR.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- HUNTER, R. E.**
Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
- HUNTRESS, W. T.**
Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492
- HUNTRESS, W. T., JR.**
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- HURD, W. A.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- HURD, W. J.**
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1-CU] c 04 N84-12151
- HURSTA, W. N.**
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- HURWITZ, F. I.**
Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- HUSAIN-ABIDI, A. S.**
Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
- HUSCHKE, E. G., JR.**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- HUSMANN, O. K.**
Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- HUSSEY, M. W.**
Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- HUTCHINSON, W. D.**
Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
- HUTCHISON, J. J.**
Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- HUTTO, R. J.**
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
- HYMER, R. L.**
Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181
- I-LECHAO, J.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- IANNINI, A. A.**
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- IANNONE, M.**
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- ICELAND, W. F.**
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- IDEN, R. B.**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- IGENBERGS, E. B.**
Self-energized plasma compressor
[NASA-CASE-MFS-22145-1] c 75 N75-13625
Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951

IGOE, W. B.
 Dynamic vibration absorber Patent
 [NASA-CASE-LAR-10083-1] c 15 N71-27006

ILES, P. A.
 Method for producing a solar cell having an integral protective covering
 [NASA-CASE-XGS-04531] c 03 N69-24267
 Method of coating solar cell with borosilicate glass and resultant product
 [NASA-CASE-GSC-11514-1] c 03 N72-24037

ILLG, W.
 Hydraulic gmp Patent
 [NASA-CASE-XLA-05100] c 15 N71-17696
 Light shield and infrared reflector for fatigue testing Patent
 [NASA-CASE-XLA-01782] c 14 N71-26136

IMBOLDI, E.
 Tracking receiver Patent
 [NASA-CASE-XGS-08679] c 10 N71-21473

IMIG, L. A.
 Anti-buckling fatigue test assembly
 [NASA-CASE-LAR-10426-1] c 09 N74-19528
 Fatigue failure load indicator
 [NASA-CASE-LAR-12027-1] c 39 N79-22537
 Heating and cooling system
 [NASA-CASE-LAR-12393-1] c 34 N83-34221

IMLAY, E. H.
 Binary to binary-coded-decimal converter Patent
 [NASA-CASE-XNP-00432] c 08 N70-35423

INGE, S. V., JR.
 Vertical shaft windmill
 [NASA-CASE-LAR-12923-1] c 37 N84-12493

INGHAM, J. D.
 Dual membrane hollow fiber fuel cell and method of operating same
 [NASA-CASE-NPO-13732-1] c 44 N79-10513
 Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
 [NASA-CASE-NPO-13137-1] c 27 N80-32514
 Prepolymer dianhydrides
 [NASA-CASE-NPO-13899-1] c 27 N80-32515
 Sewage sludge additive
 [NASA-CASE-NPO-13877-1] c 45 N82-11634
 Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
 [NASA-CASE-NPO-14857-1] c 27 N83-19900

INGHAM, K. T.
 Locking device for turbine rotor blades Patent
 [NASA-CASE-XNP-00816] c 28 N71-28928

INGLE, W. M.
 Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
 [NASA-CASE-NPO-14474-1] c 26 N80-14229
 Quartz ball valve
 [NASA-CASE-NPO-14473-1] c 37 N80-23654

IRICK, S. C.
 Ejectable underwater sound source recovery assembly
 [NASA-CASE-LAR-10595-1] c 35 N74-16135
 Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
 [NASA-CASE-LAR-12412-1] c 08 N82-24205
 Continuous self-locking spiral wound seal
 [NASA-CASE-LAR-12315-1] c 37 N82-24490

IRONS, A. S.
 Heat sterilizable patient ventilator
 [NASA-CASE-NPO-13313-1] c 54 N75-27761

IRWIN, A. S.
 Drilled ball bearing with a one piece anti-tipping cage assembly
 [NASA-CASE-LEW-11925-1] c 37 N75-31446

IRWIN, K. S.
 Controlled visibility device for an aircraft Patent
 [NASA-CASE-XFR-04147] c 11 N71-10748

IRWIN, T. P.
 Leading edge protection for composite blades
 [NASA-CASE-LEW-12550-1] c 24 N77-19170

ISLEY, W. C.
 Heated porous plug microthruster
 [NASA-CASE-GSC-10640-1] c 28 N72-18766

ITO, T. I.
 Preparation of perfluorinated 1,2,4-oxadiazoles
 [NASA-CASE-ARC-11267-2] c 23 N82-28353

IVES, R. E.
 Computerized system for translating a torch head
 [NASA-CASE-MFS-23620-1] c 37 N79-10421

IVIE, C. V.
 Multi-channel rotating optical interface for data transmission
 [NASA-CASE-NPO-14066-1] c 74 N79-34011

IWASAKI, N.
 Control device Patent
 [NASA-CASE-XAC-10019] c 15 N71-23809

IWASAKI, R. S.
 Electromagnetic power absorber
 [NASA-CASE-NPO-13830-1] c 32 N80-14281

J

JACK, J. R.
 Electro-thermal rocket Patent
 [NASA-CASE-XLE-00267] c 28 N70-33356
 Electrothermal rockets having improved heat exchangers Patent
 [NASA-CASE-XLE-01783] c 28 N70-34175

JACKSON, C. M., JR.
 Wind tunnel model and method
 [NASA-CASE-LAR-10812-1] c 09 N74-17955
 Metric half-span model support system
 [NASA-CASE-LAR-12441-1] c 09 N82-23254

JACKSON, J. W., JR.
 Imaging X-ray spectrometer
 [NASA-CASE-GSC-12682-1] c 35 N84-33765

JACKSON, K. R.
 Optical alignment system Patent
 [NASA-CASE-XNP-02029] c 14 N70-41955

JACKSON, L. R.
 Techniques for insulating cryogenic fuel containers Patent
 [NASA-CASE-XLA-01967] c 31 N70-42015
 Orbiter/launch system
 [NASA-CASE-LAR-12250-1] c 14 N81-26161
 Multiwall thermal protection system
 [NASA-CASE-LAR-12620-1] c 24 N82-32417
 Pumped vortex
 [NASA-CASE-LAR-12625-1] c 02 N83-19715
 Aerospace vehicle
 [NASA-CASE-LAR-13155-1] c 18 N84-20628
 Curved cap corrugated sheet
 [NASA-CASE-LAR-12884-1] c 18 N84-33450
 Daze fasteners
 [NASA-CASE-LAR-13009-1] c 37 N85-29285

JACKSON, M. R.
 Directionally solidified eutectic gamma plus beta nickel-base superalloys
 [NASA-CASE-LEW-12906-1] c 26 N77-32279
 Directionally solidified eutectic gamma-gamma nickel-base superalloys
 [NASA-CASE-LEW-12905-1] c 26 N78-18183

JACOB, D. S.
 Pressure modulating valve
 [NASA-CASE-MSC-14905-1] c 37 N77-28487

JACOBI, N.
 Acoustic levitation methods and apparatus
 [NASA-CASE-NPO-15562-1] c 71 N82-27086
 Acoustic system for maternal transport
 [NASA-CASE-NPO-15453-1] c 71 N83-32515
 Acoustic particle separation
 [NASA-CASE-NPO-155559-1] c 71 N85-30765

JACOBS, I. M.
 Data compression system
 [NASA-CASE-XNP-09785] c 08 N69-21928

JACOBS, J. M.
 Biocontamination and particulate detection system
 [NASA-CASE-NPO-13953-1] c 35 N79-28527

JACOBS, R. B.
 Densitometer Patent
 [NASA-CASE-XLE-00688] c 14 N70-41330

JACOBS, V. L.
 Passive propellant system
 [NASA-CASE-MFS-23642-2] c 20 N78-27176
 Passive propellant system
 [NASA-CASE-MFS-23642-1] c 20 N80-10278

JACOBSON, D. S.
 Hermetically sealed semiconductor
 [NASA-CASE-GSC-10791-1] c 15 N73-14469

JAGOW, R. B.
 Process of forming catalytic surfaces for wet oxidation reactions
 [NASA-CASE-MSC-14831-1] c 25 N78-10225

JAIN, A.
 Surface roughness measuring system
 [NASA-CASE-NPO-13862-1] c 35 N79-10391
 Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
 [NASA-CASE-NPO-14525-1] c 32 N79-19195
 Clutter free synthetic aperture radar correlator
 [NASA-CASE-NPO-14035-1] c 32 N83-19968
 Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
 [NASA-CASE-NPO-14525-2] c 32 N83-31918
 Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
 [NASA-CASE-NPO-15704-1] c 32 N85-34327

JAKSTYS, V. J.
 Composite antenna feed
 [NASA-CASE-GSC-11046-1] c 07 N73-28013

JALAN, V.
 Chromium electrodes for REDOX cells
 [NASA-CASE-LEW-13653-1] c 44 N84-28205

JALINK, A., JR.
 Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
 [NASA-CASE-XLA-02810] c 14 N71-25901
 Infrared horizon locator
 [NASA-CASE-LAR-10726-1] c 14 N73-20475

JALUFKA, M. W.
 Volumetric direct nuclear pumped laser
 [NASA-CASE-LAR-12183-1] c 36 N79-18307

JAMES, L. W.
 III-V photocathode with nitrogen doping for increased quantum efficiency
 [NASA-CASE-NPO-12134-1] c 33 N76-31409

JAMES, N. J.
 Resilient wheel Patent
 [NASA-CASE-MFS-13929] c 15 N71-27091

JAMES, R.
 System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
 [NASA-CASE-FRC-11005-1] c 06 N82-16075

JAMIESON, R. S.
 Rotary stepping device with memory metal actuator
 [NASA-CASE-NPO-15482-1] c 37 N83-36484

JAMISON, H. H.
 Ion-exchange membrane with platinum electrode assembly Patent
 [NASA-CASE-XMS-02063] c 03 N71-29044

JANEFF, W.
 Tracking receiver Patent
 [NASA-CASE-XGS-08679] c 10 N71-21473

JANESICK, J. R.
 Laser pulse detection method and apparatus
 [NASA-CASE-NPO-16030-1] c 36 N84-25037

JANKOWSKI, F.
 Quick disconnect filter coupling
 [NASA-CASE-NPO-23232-1] c 37 N76-14463

JANNICHE, P. J., JR.
 Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
 [NASA-CASE-XGS-03632] c 09 N71-23311

JANSEN, H. B.
 Fluid thrust control system
 [NASA-CASE-XMF-05964-1] c 20 N79-21124

JARVIS, M. R.
 A spillage detector for liquid chromatography systems
 [NASA-CASE-MSC-20206-1] c 25 N83-29325

JAVAN, A.
 Method and apparatus for stabilizing a gaseous optical maser Patent
 [NASA-CASE-XGS-03644] c 16 N71-18614

JEANE, H. L.
 Priority interrupt system
 [NASA-CASE-NPO-13067-1] c 60 N76-18800

JECH, R. W.
 Reinforced metallic composites Patent
 [NASA-CASE-XLE-02428] c 17 N70-33288
 Method of making fiber reinforced metallic composites Patent
 [NASA-CASE-XLE-00231] c 17 N70-38198
 Reinforced metallic composites Patent
 [NASA-CASE-XLE-00228] c 17 N70-38490
 Method for producing fiber reinforced metallic composites Patent
 [NASA-CASE-XLE-03925] c 18 N71-22894

JEDLICKA, J. R.
 Solid medium thermal engine
 [NASA-CASE-ARC-10461-1] c 44 N74-33379

JEFFERS, E. L.
 Method and apparatus for eliminating luminol interference maternal
 [NASA-CASE-MSC-16260-1] c 51 N80-16714
 Method and automated apparatus for detecting coliform organisms
 [NASA-CASE-MSC-16777-1] c 51 N80-27067
 Rapid, quantitative determination of bacteria in water
 [NASA-CASE-GSC-12158-1] c 51 N83-27569
 Method for detecting coliform organisms
 [NASA-CASE-ARC-11322-1] c 51 N83-28849

JEFFERY, P. A. E.
 Compensating linkage for main rotor control
 [NASA-CASE-LAR-11797-1] c 05 N81-19087

JEFFREYS, H. B.
 Focused laser Doppler velocimeter
 [NASA-CASE-MFS-23178-1] c 35 N77-10493

JELALIAN, A. V.
 Clear air turbulence detector
 [NASA-CASE-MFS-21244-1] c 36 N75-15028
 Focused laser Doppler velocimeter
 [NASA-CASE-MFS-23178-1] c 35 N77-10493

JELLISON, J. C.
 Resilience testing device Patent
 [NASA-CASE-XLA-08254] c 14 N71-26161

- JENKINS, K. H.**
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
- JENKINS, L. M.**
Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
- JENKINS, R. K.**
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- JENNINGS, D. E.**
Thermal compensator for closed-cycle helium refrigerator
[NASA-CASE-GSC-12168-1] c 31 N79-17029
Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- JENSEN, A. R.**
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
- JENSEN, B. J.**
Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N84-28987
- JENSEN, C. A.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- JENSEN, K. A.**
Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156
- JENSEN, K. J.**
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- JENSEN, P. A.**
Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- JENSEN, R. N.**
Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- JEPPESEN, G. L.**
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- JESSUP, A. D.**
Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178
- JETER, J. D.**
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- JEWELL, P. A.**
Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
- JEWELL, R. A.**
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
- JEX, D. W.**
Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- JHABVALA, M. D.**
Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- JHABVALA, M. O.**
Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- JOBSON, D. J.**
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
- JOHANNSEN, K. G.**
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- JOHANSEN, D. L.**
Articulated multiple couch assembly Patent
[NASA-CASE-MS-C-11253] c 05 N71-12343
Collapsible Apollo couch
[NASA-CASE-MS-C-13140] c 05 N72-11085
- JOHNS, C. E.**
Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
- JOHNSON, A. L., JR.**
Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
- JOHNSON, C. B.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850
- JOHNSON, C. C.**
Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
Stand-off type ablative heat shield
[NASA-CASE-MS-C-12143-1] c 33 N72-17947
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
Reverse osmosis membrane of high urea rejection properties
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- JOHNSON, C. C., JR.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- JOHNSON, C. E.**
Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
- JOHNSON, C. L.**
Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
- JOHNSON, C. W.**
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
- JOHNSON, D. L.**
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- JOHNSON, E. G.**
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- JOHNSON, E. T.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- JOHNSON, F. W.**
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MS-C-12389] c 33 N71-29052
- JOHNSON, H. G.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- JOHNSON, H. I.**
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Gravity stabilized flying vehicle Patent
[NASA-CASE-MS-C-12111-1] c 02 N71-11039
Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
Pneumatic amplifier Patent
[NASA-CASE-MS-C-12121-1] c 15 N71-27147
- JOHNSON, J. C., JR.**
Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
- JOHNSON, J. D.**
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
- JOHNSON, J. E.**
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- JOHNSON, J. E., JR.**
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- JOHNSON, J. L.**
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- JOHNSON, J. L., JR.**
High lift aircraft
[NASA-CASE-LAR-11252-1] c 05 N75-25914
Over the wing propeller
[NASA-CASE-LAR-13134-1] c 05 N85-19980
- JOHNSON, K. G.**
Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
- JOHNSON, R. C.**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- JOHNSON, R. D.**
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
- JOHNSON, R. E.**
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- JOHNSON, R. L.**
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- JOHNSON, R. W.**
Microwave switching power divider
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- JOHNSON, V. E., JR.**
Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
- JOHNSTON, A. R.**
Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
Cooperative multi-axis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
Stark-effect modulation of CO2 laser with NH2D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- JOHNSTON, D. F.**
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- JOHNSTON, E. A.**
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- JOHNSTON, G. D.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- JOHNSTON, J. D.**
Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- JOHNSTON, J. E.**
Electrostatic measurement system
[NASA-CASE-MFS-23219-1] c 33 N75-18477
- JOHNSTON, M. F.**
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- JOHNSTON, M. H.**
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- JOHNSTON, R. L.**
Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- JOHNSTON, R. P.**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- JOHNSTON, R. S.**
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- JOHNSTON, W. V.**
Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859

- JOLLEY, J.**
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
- JONES, E. W.**
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- JONES, J. A.**
Ten degree Kelvin hydride refrigerator
[NASA-CASE-NPO-16393-1-CU] c 31 N85-29084
- JONES, J. C.**
Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- JONES, J. F.**
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- JONES, J. H.**
Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- JONES, J. L.**
Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
- JONES, R. A.**
Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
Method for determining thermo-physical properties of specimens
[NASA-CASE-LAR-11053-1] c 25 N74-18551
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- JONES, R. E.**
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
- JONES, R. H.**
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- JONES, R. J.**
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- JONES, R. L.**
Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- JONES, R. T.**
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
- JONES, W. C.**
Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- JONES, W. P.**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
Superconducting magnet Patent
[NASA-CASE-NPO-06503] c 23 N71-29049
- JORDAN, A. W.**
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
- JORDON, W. J.**
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- JOSIAS, C. S.**
Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
- JOSLYN, A. W.**
Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
- JOYNER, U. T.**
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- JUDD, B. W.**
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- JUDD, J. H.**
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- JUDY, P. F.**
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- JUERGENSEN, K.**
Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- JUHASZ, A. J.**
Controlled separation combustor
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- JURSCAGA, G. M.**
Method of fabricating an article with cavities
[NASA-CASE-LAR-10318-1] c 31 N74-18089
- JUVINALL, G. L.**
Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

K

- KABANA, W. P.**
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- KAHLEBAUM, W. M., JR.**
Chromatically corrected virtual image display
[NASA-CASE-LAR-12251-1] c 74 N79-14892
Chromatically corrected virtual image visual display
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- KAISER, J. A., JR.**
Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- KALFAYAN, S. H.**
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- KALIL, L. F.**
Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085
- KALKBRENNER, R. W.**
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- KALLINS, C.**
Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371
- KALLVINSKAS, J. J.**
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- KALSHOVEN, J. E., JR.**
Method of and apparatus for measuring temperature and pressure
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- KALVINSKAS, J. J.**
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
Hydrodesulfurization of chlorinized coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- KAMI, S.**
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
- KAMINSKAS, R. A.**
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348
- KAMMERMEYER, K.**
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- KAMPINSKY, A.**
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
- KANABUS, E. W.**
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- KANBER, H.**
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
- KANE, J. O.**
Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- KANE, T. R.**
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
- KAPUSTKA, R. E.**
Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531
- KARIGAN, G. H.**
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- KARIOTIS, A. H.**
Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
- KARSH, I.**
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- KASPARECK, W. E.**
Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- CAST, H. B.**
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- KASTAN, H.**
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
- KASTNER, S. O.**
Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- KATOW, M. S.**
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- KATVALA, V. W.**
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- KATZ, J.**
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- KATZ, L.**
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- KATZ, M. G.**
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361
- KATZ, N. H.**
Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- KATZBERG, S. J.**
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- KATZEN, E. D.**
Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- KATZIN, L.**
Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455
- KAUFMAN, H. R.**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173

- KAUFMAN, J. W.**
Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
- KAUFMAN, W. B.**
High current electrical lead
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- KAUFMANN, J. J.**
Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- KAVAYA, M. J.**
Stark effect spectrophone for continuous absorption spectra monitoring
[NASA-CASE-NPO-15102-1] c 25 N81-25159
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- KAZAROFF, J. M.**
Heat exchanger and method of making
[NASA-CASE-LEW-12441-1] c 34 N79-13289
Heat exchanger and method of making
[NASA-CASE-LEW-12441-2] c 34 N80-24573
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- KAZNOFF, A. I.**
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- KAZOKAS, G. P.**
Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
- KEAFER, L. S., JR.**
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- KEARNS, W. J.**
Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- KEATHLEY, W. H.**
Energy absorbing structure Patent Application
[NASA-CASE-MS-C-12279-1] c 15 N70-35679
Low onset rate energy absorber
[NASA-CASE-MS-C-12279] c 15 N72-17450
- KEATING, J. M.**
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- KEEFER, J. M.**
Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- KEENE, W. H.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- KEETON, A. R.**
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- KEHLET, A. B.**
Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- KELBAUGH, B. N.**
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- KELLER, E. E.**
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- KELLER, G. C.**
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- KELLER, O. F.**
Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
- KELLER, V. W.**
Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- KELLEY, H. L.**
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- KELLEY, J. R.**
Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
- KELLEY, W. W.**
Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
- KELLS, M. C.**
Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
- KELLY, D. L.**
Multistage aerospace craft
[NASA-CASE-XMF-02263] c 05 N74-10907
- KELLY, H. N.**
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
- KELLY, T. P.**
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- KELLY, W. L., IV**
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- KELLY, W. W.**
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- KELM, J. S.**
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- KELSEY, E. L.**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- KEMP, K. L.**
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- KEMP, R. F.**
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- KEMP, R. H.**
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
- KENDAL, J. M.**
Pressure meltdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- KENDALL, J. M.**
Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753
- KENDALL, J. M., JR.**
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- KENDALL, J. M., SR.**
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
- KENDRICK, W. P.**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- KENNEDY, B. W.**
Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951
- KENNEWAY, A. J., III**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- KENNEY, R. L.**
Geneva mechanism
[NASA-CASE-NPO-13281-1] c 37 N75-13266
- KENT, W. D.**
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- KENYON, G. C.**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- KEPLER, C. E.**
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
- KERLEY, J. J.**
Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
- KERLEY, J. J., JR.**
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- KERN, C. V.**
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
- KERN, J. D.**
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- KERNODLE, B. H.**
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- KERR, J. H.**
Traffic survey system
[NASA-CASE-MFS-22631-1] c 66 N76-19888
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-15B] c 52 N85-20639
- KERSEY, E. D., JR.**
Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
- KERSHNER, D. D.**
Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- KERSLAKE, W. R.**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating
[NASA-CASE-XLE-04501] c 09 N71-23190
- KERSTEN, L.**
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
- KERWIN, W. J.**
Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- KESSEL, J. E.**
Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
- KESSINGER, R. L.**
Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375
- KEY, C. F.**
Nonflammable coating compositions
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- KEYNTON, R. J.**
Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
- KHAN, A. S.**
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- KHANNA, S. K.**
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- KHANNA, S. M.**
Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133
- KIBBE, R. K.**
Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
- KICHAK, R. A.**
Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
- KIEFER, P. J., JR.**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- KIKIN, G. M.**
Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915

- KILLALEA, W. P.**
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- KIM, C.**
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- KIM, H. H.**
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- KIM, K. M.**
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- KIMBALL, R. B.**
Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- KINARD, W. H.**
Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322
Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- KINELL, D. K.**
Four phase logic systems
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- KING, C. B.**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- KING, H. J.**
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
- KING, H. M.**
Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- KING, J. V.**
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
- KING, R. B.**
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- KING, R. F.**
Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
- KING, R. W.**
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- KING, W. L.**
Gregonian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- KINKEL, J. F.**
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- KINNARD, K. F.**
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- KINO, G. S.**
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- KINSEL, R. C.**
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- KINZLER, J. A.**
Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345
Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
- KIRALY, L. J.**
Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- KIRBY, C. A.**
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- KIRCHMAN, E. J.**
Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
- KIRSTEN, C. C.**
Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701
- KIS, G.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- KISSEL, R.**
Angular measurement system
[NASA-CASE-MFS-25825-1] c 35 N85-20298
- KISSEL, R. R.**
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- KISSELL, R. R.**
Ratemeter
[NASA-CASE-MFS-20411] c 14 N73-24473
- KISZKO, W.**
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
- KITTS, W. T.**
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- KLECHKE, E. W.**
Nickel aluminide coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
- KLEIN, E.**
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- KLEIN, E. L.**
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
- KLEIN, M. G.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- KLEINBERG, L. L.**
Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601
Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145
Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N85-30201
- KLEINROCK, L.**
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- KLIMA, S. J.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- KLINE, A. J.**
Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
- KLINE, A. J., JR.**
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- KLINGMAN, E. E., III**
Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
- KLISCH, J. A.**
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- KLOC, I.**
Penetrometer
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- KNAPP, M. H.**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- KNAUER, W.**
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
- KNECHTEL, E. D.**
Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
- KNOELL, A. C.**
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- KNOOS, S. P.**
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
- KO, W. L.**
Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- KOBAYASHI, H. S.**
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
- KOBAYASHI, H. S.**
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- KOCH, E. F.**
Expulsion bladder-equipped storage tank structure Patent
[NASA-CASE-XNP-00612] c 11 N70-38182
Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
- KOCH, K. F.**
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- KOCH, N. G.**
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- KOCZELA, L. J.**
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- KODA, N. J.**
Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
- KODIS, R. D.**
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- KOEPF, G. A.**
Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
Off axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- KOFEL, W. K.**
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- KOH, J. L.**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- KOHL, W. H.**
Distributed multipoint memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- KOJIMA, G. K.**
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- KOJIRO, D. R.**
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- KOLBLY, R. B.**
High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150
- KOLBY, R. B.**
Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455
- KOLIWAD, K. M.**
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888

- KOLOBOFF, G. J.**
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- KOLSTEE, H. M.**
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
- KONIGSBERG, E.**
Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
- KOPELSON, S.**
Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- KOPETSKI, F. J.**
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- KOPIA, L. P.**
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- KORABOWSKI, J. J.**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
- KORB, C. L.**
Method of and apparatus for measuring temperature and pressure
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- KORDES, E. E.**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- KORNFELD, D. M.**
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- KORSCH, D. G.**
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- KORUS, R. A.**
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- KORVIN, W.**
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- KOSCHMEDER, L. A.**
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- KOSMAHL, H. C.**
Multistage depressed collector for dual mode operation
[NASA-CASE-LEW-13282-1] c 33 N82-24415
- KOSMAHL, H. G.**
Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652
Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
Electron beam controller
[NASA-CASE-LEW-11617-1] c 33 N74-10195
Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974
- KOSMO, J. J.**
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
- KOSSON, R. L.**
Monogroove heat pipe design Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- KOTHE, E.**
Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- KOURTIDES, D. A.**
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-2] c 24 N78-27184
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- Fire resistant polymers based on 1-(dialkoxyposphonyl)methyl-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
Fire resistant polymers based on 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diamino benzenes
[NASA-CASE-ARC-11512-2] c 27 N85-21362
Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364
Light weight fire resistant graphite composites
[NASA-CASE-ARC-11615-1-SB] c 24 N85-28976
- KOVELL, S. P.**
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- KOYBAYASHI, H. S.**
Unbalanced quadrature demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
- KOZIOL, J. S., JR**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- KRAMER, F.**
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
- KRAMER, J. S.**
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- KRAMER, M.**
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
- KRASIN, F. E.**
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- KRATZER, R. H.**
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- KRAUSE, F. R.**
Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- KRAUSE, I. A.**
Satellite interlace synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- KRAUSE, L. N.**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- KRAUSE, M. C.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- KRAUSE, S. J.**
Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
- KRAUSHAAR, W. L.**
Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
- KRAVITZ, M.**
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- KRAY, W. D.**
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- KREISMAN, W. S.**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- KRIEG, H. C., JR**
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213
- KRIEVE, W. F.**
High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201
- KROPP, C. J.**
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
- KRSEK, A., JR.**
Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- KRUPNICK, A. C.**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
Nonflammable coating compositions
[NASA-CASE-MFS-20486-2] c 27 N74-17283
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- KUBACKI, R. M.**
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- KUBICA, A. J.**
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- KUBICZ, A. P.**
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
- KUBIK, C. F.**
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- KUBIK, J. S.**
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- KUBOKAWA, C. C.**
Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653
- KUEBLER, M. E.**
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- KUENZLY, J. D.**
Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- KUGATH, D. A.**
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- KUHN, R. F., JR**
Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
Internally supported flexible duct joint
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- KUHNS, P. W.**
Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- KUMAR, D.**
Amine terminated bisaspartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697
- KUMINECZ, J. F.**
High temperature emittance coatings and coating compositions
[NASA-CASE-MSC-18851-1] c 27 N82-26460
Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
- KUO, Y. S.**
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- KUPPERIAN, J. E., JR.**
Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- KURAL, M. H.**
Strain arrestor plate for fused silica tile
[NASA-CASE-MSC-14182-1] c 27 N76-14264
- KURIGER, W. L.**
Short range laser obstacle detector
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- KURPLE, W.**
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- KURTZ, G. W.**
Two-dimensional scanner apparatus
[NASA-CASE-MFS-25687-1] c 35 N84-22928

KURTZ, R. L.

- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent [NASA-CASE-MFS-20074] c 16 N71-15565
- Multiple image storing system for high speed projectile holography [NASA-CASE-MFS-20596] c 14 N72-17324
- Real time moving scene holographic camera system [NASA-CASE-MFS-21087-1] c 35 N74-17153
- Holographic system for nondestructive testing [NASA-CASE-MFS-21704-1] c 35 N75-25124
- Real time, large volume, moving scene holographic camera system [NASA-CASE-MFS-22537-1] c 35 N75-27328
- Holographic motion picture camera with Doppler shift compensation [NASA-CASE-MFS-22517-1] c 35 N76-18402
- Projection system for display of parallax and perspective [NASA-CASE-MFS-23194-1] c 35 N78-17357
- Hybrid holographic non-destructive test system [NASA-CASE-MFS-23114-1] c 38 N78-32447
- KURVIN, C. W.**
Remote platform power conserving system [NASA-CASE-GSC-11182-1] c 15 N75-13007
- KURYLO, M. J., III**
Ultraviolet atomic emission detector [NASA-CASE-HQN-10756-1] c 14 N72-25428
- KURZHALS, P. R.**
Spacecraft experiment pointing and attitude control system Patent [NASA-CASE-XLA-05464] c 21 N71-14132
- Attitude control and damping system for spacecraft Patent [NASA-CASE-XLA-02551] c 21 N71-21708
- KUSHIDA, R. O.**
Hydrogen rich gas generator [NASA-CASE-NPO-13342-1] c 37 N76-16446
- Hydrogen rich gas generator [NASA-CASE-NPO-13342-2] c 44 N76-29700
- KWONG, H.**
The 1,2,4-oxadiazole elastomers [NASA-CASE-ARC-11253-1] c 27 N81-17262
- Preparation of crosslinked 1,2,4-oxadiazole polymer [NASA-CASE-ARC-11253-2] c 27 N82-24338
- KWONGS, H.**
Bifunctional monomers having terminal oxime and cyano or amine groups [NASA-CASE-ARC-11253-3] c 27 N81-24256

L

- LA RUSSA, F. J.**
Array phasing device Patent [NASA-CASE-ERC-10046] c 10 N71-18722
- LA VIGNA, T. A.**
Buck boost voltage regulation circuit Patent [NASA-CASE-GSC-10735-1] c 10 N71-26085
- LACEY, R. E.**
Infusible silazane polymer and process for producing same [NASA-CASE-XMF-02526-1] c 27 N79-21190
- LACKNER, H. G.**
Method and apparatus of simulating zero gravity conditions Patent [NASA-CASE-MFS-12750] c 27 N71-16223
- Method and apparatus for checking the stability of a setup for making reflection type holograms [NASA-CASE-MFS-21455-1] c 35 N74-15146
- LACY, L. L.**
Containerless high temperature calorimeter apparatus [NASA-CASE-MFS-23923-1] c 35 N81-19426
- Method and apparatus for supercooling and solidifying substances [NASA-CASE-MFS-25242-1] c 35 N83-29650
- LA FEVER, A. E.**
Directional gear ratio transmissions [NASA-CASE-LAR-12644-1] c 37 N84-28084
- LA FLAME, D. T.**
Pseudonoise code tracking loop [NASA-CASE-MSC-18035-1] c 32 N81-15179
- LAHMEYER, C. R.**
Nanosequencer digital logic controller [NASA-CASE-NPO-16116-1] c 60 N84-25306
- Reed-Solomon decoder [NASA-CASE-NPO-15982-1] c 60 N85-20680
- LA IACONA, F. P.**
Bonding of reinforced Teflon to metals [NASA-CASE-MFS-20482] c 15 N72-22492
- Method of preparing graphite reinforced aluminum composite [NASA-CASE-MFS-21077-1] c 24 N75-28135
- LAINE, D. D.**
Electromechanical actuator [NASA-CASE-XNP-05975] c 15 N69-23185
- LAMAR, J. E.**
Vortex-lift roll-control device [NASA-CASE-LAR-11868-2] c 08 N79-14108
- LAMB, R. H.**
Hypersonic reentry vehicle Patent [NASA-CASE-XMS-04142] c 31 N70-41631
- LAMBSON, K. H.**
Pressure control valve [NASA-CASE-ARC-11251-1] c 37 N81-17433
- Spline immobilization apparatus [NASA-CASE-ARC-11167-1] c 52 N81-25662
- LAMPERT, H. M.**
Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent [NASA-CASE-XGS-02011] c 15 N71-20739
- LAMPTON, M. L.**
Resistive anode image converter [NASA-CASE-HQN-10876-1] c 33 N76-27473
- LANDAUER, F. P.**
Means for generating a sync signal in an FM communication system Patent [NASA-CASE-XNP-10830] c 07 N71-11281
- LANDAUER, F. P., JR.**
Multispectral imaging and analysis system [NASA-CASE-NPO-13691-1] c 43 N79-17288
- LANDEL, R. F.**
Method for controlling vapor content of a gas [NASA-CASE-NPO-10633] c 03 N72-28025
- Parallel-plate viscometer with double diaphragm suspension [NASA-CASE-NPO-11387] c 14 N73-14429
- Preparation of alkali metal dispersions [NASA-CASE-XNP-08876] c 17 N73-28573
- Polymers compositions and their method of manufacture [NASA-CASE-NPO-10424-1] c 27 N81-24258
- LANDES, H. S.**
Active microwave lenses and windows [NASA-CASE-LAR-10513-1] c 07 N72-25170
- Thin film microwave iris [NASA-CASE-LAR-10511-1] c 09 N72-29172
- LANE, J. W.**
Wide range dynamic pressure sensor [NASA-CASE-ARC-10263-1] c 14 N72-22438
- LANEY, C. C., JR.**
Micrometeoroid velocity measuring device Patent [NASA-CASE-XLA-00495] c 14 N70-41332
- Micrometeoroid penetration measuring device Patent [NASA-CASE-XLA-00941] c 14 N71-23240
- LANFORD, W. E.**
Folding apparatus Patent [NASA-CASE-XLA-00137] c 15 N70-33180
- Reflector space satellite Patent [NASA-CASE-XLA-00138] c 31 N70-37981
- LANG, R.**
Venting device for pressurized space suit helmet Patent [NASA-CASE-XMS-09652-1] c 05 N71-26333
- Protective garment ventilation system [NASA-CASE-XMS-04928] c 54 N78-17679
- LANGE, O. H.**
Continuous detonation reaction engine Patent [NASA-CASE-XMF-06926] c 28 N71-22983
- LANGE, R. A.**
Wideband heterodyne receiver for laser communication system [NASA-CASE-GSC-12053-1] c 32 N77-28346
- LANGMUIR, R. V.**
Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions [NASA-CASE-XNP-04231] c 14 N73-32325
- LANSING, F. L.**
Stable density stratification solar pond [NASA-CASE-NPO-15419-2] c 44 N85-30474
- LANSING, J. C., JR.**
Method and apparatus for optically monitoring the angular position of a rotating mirror [NASA-CASE-GSC-11353-1] c 74 N74-21304
- LANTZ, E.**
Gaseous control system for nuclear reactors [NASA-CASE-XLE-04599] c 22 N72-20597
- LARK, R. F.**
Hybrid composite laminate structures [NASA-CASE-LEW-12118-1] c 24 N77-27188
- LARMER, J. W.**
Conforming polisher for aspheric surface of revolution Patent [NASA-CASE-XGS-02884] c 15 N71-22705
- LARSON, L. L.**
Coaxial injector for reaction motors [NASA-CASE-NPO-11095] c 15 N72-25455
- LARSON, T. P.**
Filter regeneration systems [NASA-CASE-MSC-14273-1] c 34 N75-33342
- LATHAM, E. A.**
The engine air intake system [NASA-CASE-ARC-10761-1] c 07 N77-18154
- Aircraft engine nozzle [NASA-CASE-ARC-10977-1] c 07 N80-32392
- LATTO, W. T., JR.**
Small rocket engine Patent [NASA-CASE-XLE-00685] c 28 N70-41992
- LAU, K. Y.**
Fiber optic transmission line stabilization apparatus and method [NASA-CASE-NPO-15036-1] c 74 N82-19029
- LAUB, J. H.**
Attitude control for spacecraft Patent [NASA-CASE-XNP-00294] c 21 N70-36938
- Slit regulated gas journal bearing Patent [NASA-CASE-XNP-00476] c 15 N70-38620
- LAUDENSLAGER, J. B.**
Pulse switching for high energy lasers [NASA-CASE-NPO-14556-1] c 33 N82-24418
- LAUDERDALE, W. R.**
Method and apparatus for securing to a spacecraft Patent [NASA-CASE-MFS-11133] c 31 N71-16222
- LAUDERSLAGER, J. B.**
Charge transfer reaction laser with preionization means [NASA-CASE-NPO-13945-1] c 36 N78-27402
- LAUE, E. G.**
Irradiance measuring device [NASA-CASE-NPO-11493] c 14 N73-12447
- Wind sensor [NASA-CASE-NPO-13462-1] c 35 N76-24524
- Passive intrusion detection system [NASA-CASE-NPO-13804-1] c 33 N80-23559
- Cloud cover sensor [NASA-CASE-NPO-14936-1] c 47 N83-32232
- Trace water sensor [NASA-CASE-NPO-15722-1] c 35 N85-29212
- LAUE, H. H.**
Driving lamps by induction [NASA-CASE-MFS-21214-1] c 09 N73-30181
- LAUE, J. H.**
Multi-mission module Patent [NASA-CASE-NMF-01543] c 31 N71-17730
- LAUGHLIN, C. R., JR.**
Position location system and method Patent [NASA-CASE-GSC-10087-2] c 21 N71-13958
- Position location and data collection system and method Patent [NASA-CASE-GSC-10083-1] c 30 N71-16090
- Traffic control system and method Patent [NASA-CASE-GSC-10087-1] c 02 N71-19287
- Diversity receiving system with diversity phase lock Patent [NASA-CASE-XGS-01222] c 10 N71-20841
- Position location system and method [NASA-CASE-GSC-10087-3] c 07 N72-12080
- Doppler compensation by shifting transmitted object frequency within limits [NASA-CASE-GSC-10087-4] c 07 N73-20174
- LAUMAN, E. A.**
Hydrogen-fueled engine [NASA-CASE-NPO-13763-1] c 44 N78-33526
- LAURENCE, J. C.**
Method of fabricating a twisted composite superconductor [NASA-CASE-LEW-11015] c 26 N73-32571
- LAURIE, R. O.**
Adjustable mount for a trihedral mirror Patent [NASA-CASE-XNP-08907] c 23 N71-29123
- LAUSTEN, M. F.**
Spray applicator for spraying coatings and other fluids in space [NASA-CASE-MSC-18852-1] c 37 N85-29283
- LAUVER, R. W.**
Chemical approach for controlling nadimide cure temperature and rate [NASA-CASE-LEW-13770-1] c 27 N84-27885
- Chemical approach for controlling nadimide cure temperature and rate with maleimide [NASA-CASE-LEW-13770-3] c 27 N85-21350
- Chemical approach for controlling nadimide cure temperature and rate with maleimide [NASA-CASE-LEW-13770-4] c 27 N85-21351
- Chemical approach for controlling nadimide cure temperature and rate [NASA-CASE-LEW-13770-5] c 27 N85-21352
- Chemical control of nadimide cure temperature and rate [NASA-CASE-LEW-13770-2] c 25 N85-28982
- Chemical approach for controlling nadimide cure temperature and rate [NASA-CASE-LEW-13770-6] c 25 N85-30039

- LAVIGNE, R. C.**
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- LAWHITE, E.**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- LAWING, P. L.**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- LAWRENCE, E. D.**
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- LAWRENCE, T. R.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- LAWSON, A. G.**
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
- LAWSON, B. D.**
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- LAWSON, D. D.**
Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- LAYLAND, J. W.**
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- LE BEL, P. J.**
Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
- LE DOUX, F. N.**
Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- LE VAY, K. H.**
Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
- LEATHERWOOD, J. D.**
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- LEAVY, W. A.**
Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
Antenna deployment mechanism for use with a spacecraft
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- LEBLANC, L. P.**
Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- LEDBETTER, F. E., III**
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
Process for producing tris s(n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
- LEE, C. E.**
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
- LEE, D. A.**
Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
- LEE, D. H.**
Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- LEE, J. H.**
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- LEE, J. S.**
High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- LEE, M. C.**
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890
Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] c 71 N84-16948
- LEE, R. D.**
Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240
Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
Ultrasonic biomedical measuring and recording apparatus
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Bio-isolated dc operational amplifier
[NASA-CASE-ARC-10596-1] c 33 N74-21851
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
Scanning seismic intrusion detection method and apparatus
[NASA-CASE-ARC-11317-1] c 35 N83-34272
Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- LEE, S. H.**
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- LEE, S. Y.**
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- LEE, W. S.**
Surface finishing
[NASA-CASE-MS-12631-1] c 24 N77-28225
Surface finishing
[NASA-CASE-MS-12631-3] c 27 N81-14077
- LEEB, W. R.**
Method and apparatus for splitting a beam of energy
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- LEEPER, W. A.**
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- LEES, W. L.**
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
- LEFFKE, W. O.**
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
- LEFTWICH, R. F.**
Multi-lobe scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- LEGER, L. J.**
Method and device for detection of surface discontinuities or defects
[NASA-CASE-MS-14187-1] c 35 N74-32879
Thermal insulation attaching means
[NASA-CASE-MS-12619-2] c 27 N79-12221
High temperature emittance coatings and coating compositions
[NASA-CASE-MS-18851-1] c 27 N82-26460
- LEHMANN, E. N.**
Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- LEHOCZKY, S. L.**
Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533
- LEIBECKI, H. F.**
Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06774-2] c 06 N72-25150
- LEIBERT, C. H.**
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- LEIBOWITZ, L. P.**
Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- LEIFFER, J. L.**
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- LEININGER, D. B.**
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- LEINKRAM, C. Z.**
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N83-30268
- LEIPOLD, M. H.**
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
- LEISER, D. B.**
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- LEISS, A.**
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
- LEMCOE, M. M.**
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- LEMONS, F. R.**
Metallic hot wire anemometer
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- LEMONS, P. H.**
Broadband modified turnstile antenna Patent
[NASA-CASE-MS-12209] c 09 N71-24842
- LENAHAN, D. T.**
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- LENETT, S. D.**
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MS-16170-2] c 32 N84-27952
- LENNON, C. L.**
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- LENT, W. E.**
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- LEON, H. A.**
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- LEONARD, E. T.**
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- LEPP, D. R.**
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- LEARNER, N. R.**
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- LEARNER, T.**
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- LESH, J. R.**
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- LESKO, J. G., JR**
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- LESNIEWSKI, R. J.**
Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- LESSLEY, R. L.**
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

- LESSMANN, G. G.**
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- LEVIN, H.**
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- LEVIN, K. L.**
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- LEVINE, M. W.**
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- LEVINE, S. R.**
Fused silicide coatings containing discrete particles for protecting niobium alloys
[NASA-CASE-LEW-11179-1] c 27 N76-16229
Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- LEVINSOHN, M.**
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- LEVIS, C. A.**
Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359
- LEVY, G. S.**
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- LEWICKI, G. W.**
High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- LEWIS, B. F.**
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- LEWIS, B. W.**
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- LEWIS, D. J.**
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
- LEWIS, G. W.**
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- LEWIS, J. R.**
Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- LEWIS, R.**
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- LEWIS, T. L.**
Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
- LEWYN, L. L.**
Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- LI, S. P.**
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- LIBBEY, C. E.**
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
- LIBBY, J. N.**
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- LIBBY, W. F.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- LIBEROTTI, J.**
Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453
- LIEBERMAN, S.**
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- LIEBERT, C. H.**
Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- LIGHT, D. J.**
Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
- LIGHTSEY, G. R.**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
- LILLEY, A. E.**
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- LIM, L. Y.**
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
- LIN, E. I. H.**
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- LINDBERG, J. G.**
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
- LINDBERG, R. A.**
High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- LINDERFELT, H. R.**
An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840
Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- LINDSEY, J. F., III**
Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720
- LINDSEY, R. S., JR.**
Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
- LINDSEY, W. C.**
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
- LINDSEY, W. F.**
Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
- LINEBACK, L. D.**
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- LINFORD, R. M. F.**
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- LING, A. C.**
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- LING, S. C.**
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- LINGLE, J. T.**
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470
- LINLOR, W. I.**
Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N84-26400
- LIPANOVICH, M. I.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- LIPKE, D. W.**
Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- LIPKIS, R. R.**
Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- LIPOMA, P. C.**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- LIPPITT, M. W., JR.**
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
- LIPSHITZ, A.**
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- LISAGOR, W. B.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- LISLE, R. V.**
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- LISOVICZ, E. J.**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- LIST, V. F.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
- LISTER, J. L.**
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- LITANT, I.**
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- LITCHFORD, G. B.**
Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
- LITTLE, B. D.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- LITTLE, R. E.**
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- LITTLEJOHN, D. P.**
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- LIU, C. C.**
Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235

- LIU, F. F.**
Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
- LIU, J. K.**
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- LIU, K. Y.**
Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- LIVEMORE, S. F.**
Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
- LLEWELIN, W. R.**
Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N85-29290
- LLOYD, W. B.**
Beaming and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- LOCH, F. J.**
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- LOCKARD, M. L.**
Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- LOCKMAN, C. S.**
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- LOCKWOOD, V. E.**
Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
- LOFTIN, L. K., JR.**
Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
- LOGAN, K. E.**
Active lamp pulse driver circuit
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- LOGAN, W. R.**
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- LOH, G. M.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- LOHR, J. J.**
Variable stiffness polymenc damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- LOKERSON, D. C.**
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309
- LOMBARDI, F.**
Head for high speed spinner having a vacuum chuck
[NASA-CASE-NPO-15227-1] c 37 N81-33482
Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- LONBORG, J. O.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
- LONG, E. R., JR.**
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- LONG, H. R.**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
- LONG, M. J.**
Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
- LONG, W. C.**
Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- LONGYEAR, W. D.**
Omnidirectional acceleration device Patent
[NASA-CASE-HON-10780] c 14 N71-30265
- LOOK, G. F.**
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- LOOP, R. W.**
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- LOOSE, J. D.**
Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
- LOPEZ, A. E.**
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
- LORD, H. C., III**
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- LORELL, K. R.**
High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- LOTHSCHUETZ, F. X.**
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- LOTT, D. R.**
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- LOUGHEAD, A. G.**
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- LOUGHEAD, T. E.**
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- LOUNSBERRY, E. D.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
- LOVALL, D. D.**
Electric field measuring and display system
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- LOVELACE, A. M.**
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- LOVELL, J. S.**
Portable breathing system
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- LOVELL, R. R.**
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- LOVELOCK, J. E.**
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
- LOVINGER, D. N.**
Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
- LOWE, E. G.**
Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- LOWELL, C. E.**
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Improved nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N83-24639
- LOWEN, I. B.**
Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
- LOWERY, J. R.**
Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- LOWRY, J. G.**
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- LOY, C. A.**
Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- LOYD, C.**
System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- LUBOWITZ, H. R.**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- LUCAS, C. H.**
Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345
- LUCERO, D. P.**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- LUCHT, R. A.**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- LUCY, M. H.**
Molded composite pyrogen igniter for rocket motors
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
- LUDDIG, A. C.**
Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676
Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- LUDDIG, L. P.**
Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570
Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
Spiral groove seal
[NASA-CASE-LEW-10326-3] c 37 N74-10474
Spiral groove seal
[NASA-CASE-XLE-10326-4] c 37 N74-15125
High speed, self-acting shaft seal
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
Counter pumping debris excluder and separator
[NASA-CASE-LEW-11855-1] c 07 N78-25090
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
- LUEBBERS, S. S.**
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- LUEBERING, G. W.**
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
- LUKENS, F. E.**
Measurement amplifier
[NASA-CASE-MFS-25868-1] c 33 N84-32680
- LUM, H.**
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- LUNCE, R. S.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- LUND, G. F.**
Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- LUND, W. C.**
Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
- LUNDQUIST, J. R.**
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- LUPTON, M. W.**
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
- LUSHBAUGH, W. A.**
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103

- Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- LUTES, G. F.**
Precise RF timing signal distribution to remote stations
[NASA-CASE-NPO-14749-1] c 32 N81-14186
Low loss splicing method for single-mode optical fiber
[NASA-CASE-NPO-16294-1] c 74 N84-33179
- LUTES, G. F., JR.**
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- LUTUS, P.**
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
- LUTZ, E. B.**
Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
- LYLAND, J. W.**
Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- LYNCH, E. J.**
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- LYNCH, T. L.**
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- LYON, W. E.**
Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
- LYONS, J. C.**
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- M**
- MA, L. N.**
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- MACCONNELL, J. W.**
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- MACCONOCHIE, I. O.**
Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
- MACDAVID, K. S.**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- MACDORAN, P. F.**
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846
- MACFADDEN, J. A.**
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
- MACGLASHAN, W. F.**
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- MACGLASHAN, W. F., JR.**
Bellville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
Multiple Bellville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
- High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
- MACKAY, C. A.**
Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- MACLEOD, N. H.**
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- MACVEIGH, G. E.**
Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- MADDOX, J. W.**
Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
- MADEY, J. M.**
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
- MADISON, I. B.**
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- MADSEN, B.**
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
- MAESTRELLO, L.**
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873
- MAHAN, J. C.**
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- MAIDEN, D. L.**
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
- MAILLOUX, R. J.**
Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- MAJOR, C. J.**
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- MALLING, L. R.**
Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- MALMBERG, J. H.**
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- MALONE, L. B.**
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
- MANATT, S. L.**
Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
- MANDEL, C. H.**
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- MANDELKORN, J.**
Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- MANDELL, A.**
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
- MANFREDI, L.**
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
- MANGES, D. R.**
Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N84-29085
- MANGION, C.**
System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
- MANGOLD, D. W.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- MANN, C. W.**
Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523
- MANN, W. A.**
Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
- MANNING, C. R.**
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- MANNING, C. R., JR.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- MANOLI, R.**
Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140
- MANSOUR, M. N.**
Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- MANTLER, R. L.**
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
- MANUS, E. A.**
Active microwave inlets and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
Thin film microwave iris
[NASA-CASE-LAR-10511-1] c 09 N72-29172
Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- MANZO, M. A.**
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- MAPLE, W. E.**
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- MAPLES, H. E.**
Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- MARAK, R. J.**
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- MARCELL, G. V.**
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- MARCUM, D. C., JR.**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- MARCUS, B. D.**
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- MARCUS, H. L.**
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- MAREK, C. J.**
Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- MARGALIT, S.**
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- MARGOLIS, J. S.**
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705

- MARGOSIAN, P. M.**
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Single gnd accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699
- MARGRAF, H. J.**
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
- MARINOS, C.**
Improved heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N84-32425
- MARKLEY, R. A.**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- MARLOW, M. O.**
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- MARLOW, R. E.**
System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457
- MAROPIS, N.**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- MARRKLE, R. A.**
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- MARRONI, M. A., JR.**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- MARSH, H. E., JR.**
Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- MARSH, H. W.**
Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469
- MARSHALL, F. E.**
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
- MARSHALL, J. H.**
Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
- MARSHALL, T. N., JR.**
Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- MARSHALL, W. R.**
Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787
- MARSIK, S. J.**
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- MARTEL, R. J.**
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- MARTIN, G. L.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092
- MARTIN, J. A.**
Onbter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- MARTIN, J. W.**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- MARTIN, N. C.**
Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- MARTIN, R. B.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- MARTIN, S. C.**
Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- MARTIN, W. L.**
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- MARTINAGE, L. H.**
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
- MARTINECK, H. G.**
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
- MARTONCHIK, J. V.**
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- MARTUCCI, V. J.**
Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
- MARTZ, E. L.**
Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
- MARVIN, I. E.**
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- MARZEK, R. A.**
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
- MASCY, A. C.**
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- MASEK, T. D.**
Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822
Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- MASERJIAN, J.**
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
- MASEK, T. D.**
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
Chemical vapor deposition reactor
[NASA-CASE-NPO-13650-1] c 25 N79-28253
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 36 N84-12463
- MASLOWSKI, E. A.**
Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
- MASON, J. W.**
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- MASON, R. J.**
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
- MASON, R. M.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- MASSUCCO, A. A.**
Non-flammable elastomeric fiber from a fluonated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
- MATEER, G. C.**
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- MATHENEY, J. L.**
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- MATHUR, F. P.**
Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
- MATSUHIRO, D. S.**
Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915
- MATSUMOTO, Y.**
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- MATTAUCH, R. J.**
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- MATTHEWS, F. R., JR.**
Lightweight, variable solidity knitted parachute fabric
[NASA-CASE-LAR-10776-1] c 02 N74-10034
- MATZEN, W. J.**
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- MAULDIN, D. G.**
Contourgraph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225
- MAXWELL, H. G.**
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- MAXWELL, M. S.**
Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- MAXWELL, M. W.**
Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
- MAXWELL, R. F., JR.**
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- MAXWELL, W. A.**
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
- MAY, C. E.**
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- MAYALL, S. D.**
Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
- MAYER, L. A.**
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- MAYNARD, O. E.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- MAYNE, R. C.**
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573

- MAYO, E. E.**
Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- MAYO, J. W.**
Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- MAYO, R. F.**
Electrc-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
- MAZARIS, G. A.**
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- MAZER, L.**
Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- MAZIQUE, J. C.**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- MAZUR, J. T.**
Telescoping columns
[NASA-CASE-LAR-12195-1] c 31 N81-27324
- MCAFFEE, D. F.**
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- MCALEXANDER, B. T.**
Laser head for simultaneous optical pumping of several dye lasers
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- MCBRAYER, R. O.**
Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096
- MCBRYAR**
Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
- MCBRYAR, H.**
Reconstituted asbestos matrix
[NASA-CASE-MSG-12568-1] c 24 N76-14204
- MCCAIG, J. C.**
Electrc arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
- MCCALLUM, J.**
Porus electrode compnsing a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108
- MCCAMPBELL, W. M.**
Electrc arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- MCCANDLESS, B., II**
Connection system
[NASA-CASE-MSG-20319-1] c 37 N85-21649
- MCCANDLESS, L. C.**
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- MCCANN, D. H.**
Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- MCCANN, R. J.**
Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
- MCCARTHY, D. M.**
Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356
- MCCARTY, J. L.**
Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- MCCAUL, P. F.**
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- MCCHESENEY, J. F., JR.**
High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
- MCCHESENEY, J. R.**
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- MCCLEESE, D. J.**
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- MCCLENAHAN, J. O.**
High speed shutter
[NASA-CASE-ARC-10516-1] c 70 N74-21300
Photomultiplier circuit including means for rapidly reducing the sensitivity thereof
[NASA-CASE-ARC-10593-1] c 33 N74-27682
- MCCCLUNEY, W. R.**
The 2 deg/90 deg laboratory scattering photometer
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- MCCCLUNG, C. E.**
Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
- MCCLELL, J. C.**
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- MCCLURE, S. R.**
Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
- MCCONAUGHEY, R. T.**
Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- MCCONNELL, J. C.**
Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
- MCCORMACK, W.**
Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- MCCORMICK, C. T., JR.**
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- MCCRAW, D. L.**
Emergency escape system Patent
[NASA-CASE-MSG-12086-1] c 05 N71-12345
- MCCREA, F. E.**
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
- MCCREARY, R. A.**
Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310
- MCCREIGHT, L. R.**
Electrophoretic sample insertion
[NASA-CASE-MFS-21395-1] c 25 N74-26948
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- MCCUSKER, T. J.**
Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
- MCDANELS, D. L.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
- MCDARIS, R. A.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- MCDONALD, L. S.**
Specific wavelength colonimeter
[NASA-CASE-MSG-14081-1] c 35 N74-27860
- MCDERMOND, D. K.**
Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- MCDREY, F. R.**
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
- MCDONALD, G. E.**
Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528
Selective coating for solar panels
[NASA-CASE-LEW-12159-1] c 44 N78-19599
Method of depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- MCDONALD, R. T.**
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- MCDUGAL, A. R.**
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- MCKERLEAN, E. A.**
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- MCFADIN, L. W.**
Platinum resistance thermometer circuit
[NASA-CASE-MSG-12327-1] c 35 N77-27368
- MCGANNON, W. J.**
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- MCGEEHEE, J. R.**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085
- MCGINNESS, H. D.**
Suspension system for a wheel rolling on a flat track
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- MCGOUGH, J. T.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- MCHAFFIE, D. J.**
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- MCHATTON, A. D.**
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Nozzle extraction process and handlemeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- MCHENRY, R. J.**
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- MCHENRY, T. F.**
Miniature carbon dioxide sensor and methods
[NASA-CASE-MSG-13332-1] c 14 N72-21408
- MCHUGH, D. P.**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- MCINTOSH, M. J.**
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- MCKAY, R. A.**
Combuster
[NASA-CASE-NPO-13958-1] c 25 N79-11151
- MCKEE, C. W.**
Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- MCKENNA, J. F., JR.**
Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSG-12531-1] c 35 N75-30504
- MCKENNA, R. T.**
Automatic character skew and spacing checking network
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- MCKENZIE, R. L.**
Datomic infrared gasdynamic laser
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- MCKEOWN, D.**
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- MCKEVITT, F. X.**
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321

- MCKINNEY, R. L.**
Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
- MCKINNON, R. A.**
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- MCLAIN, J. H.**
Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
- MCLAUCHLAN, J. M.**
Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- MCLEAN, F. E.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- MCLYMAN, C. W. T.**
Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928
- MCLYMAN, W. T.**
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- MCMMASTER, L. R.**
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- MCNEAR, M. F.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- MCNUTT, W. C.**
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- MCRONALD, A. D.**
Thin film gauge
[NASA-CASE-NPO-10617-1] c 35 N74-22095
- MCSMITH, D. D.**
Variable response load limiting device
[NASA-CASE-LAR-12801-1] c 37 N82-20544
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- MCSTAY, J. J.**
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- MCWILLIAMS, I. G.**
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- MCWITHEY, R. R.**
Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
- MEAD, D. C.**
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- MEADOR, T. G., JR.**
Light shield and cooling apparatus
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- MEALY, G. E.**
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
- MEDCALF, W. A.**
Gas filter mounting structure
[NASA-CASE-MS-C-12297] c 14 N72-23457
- MEINTEL, A. J., JR.**
Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- MEISENHOLDER, G. W.**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
- MEISSINGER, H. F.**
Method of and device for determining the characteristics and flux distribution of micrometeorites
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- MELAMED, L.**
Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
- MELFI, L. T., JR.**
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- MELLARS, B.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- MELUGIN, J. F.**
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MS-C-14219-1] c 32 N74-27612
- MELVILLE, R. D. S.**
Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- MENEFEE, E. O.**
Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
- MENGES, M. J.**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
- MENICHELLI, V. J.**
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- MENTZER, C. A.**
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- MENZIES, R. T.**
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- MERHAV, S. J.**
Autonomous navigation system
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- MERLEN, M. M.**
Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
- MERRBAUM, S.**
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- MERRICK, V. K.**
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- MERRILL, J. T., IV**
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
- MESSINEO, S. V.**
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- MESSNER, A.**
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- MESZAROS, G.**
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- METCALFE, A. G.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- METZGER, A. E.**
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- METZLER, A. J.**
Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- MEYER, A. J., JR.**
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- MEYER, J. A.**
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- MEYER, J. F.**
Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
- MEYER, K. A.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- MEYER, T. N.**
Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- MEYERS, J. L.**
Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273
- MEYERS, W. N.**
Tube coupling device
[NASA-CASE-MFS-25964-1] c 37 N85-20378
- MICALE, F. J.**
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- MICHAEL, J. E.**
Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
- MICHAUD, R. B.**
Urne collection device
[NASA-CASE-MS-C-16433-1] c 52 N78-27750
Urne collection device
[NASA-CASE-MS-C-16433-1] c 52 N81-24711
Urne collection apparatus
[NASA-CASE-MS-C-18381-1] c 52 N81-28740
- MICHEL, R. E.**
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- MICKA, E. Z.**
Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395
Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
- MICKELSEN, W. R.**
High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
- MIDDLETON, J. H.**
Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
- MIDDLETON, O.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- MIDDLETON, R. L.**
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- MIDDLETON, W. D.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- MIERTSCHIN, J. L.**
Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- MIKROYANNIDIS, J. A.**
The 1-(dialkoxophosphonyl)methyl-2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
Fire resistant polymers based on 1-((dialkoxophosphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
Fire resistant polymers based on 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diamino benzenes
[NASA-CASE-ARC-11512-2] c 27 N85-21362
Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364

- Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
- MIKSZAN, D. P.**
Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- MIKULAS, M. M., JR.**
Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 18 N84-16250
- MILDICE, J. W.**
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
- MILES, P. A.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- MILES, R. T.**
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- MILKULLA, V.**
Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- MILLEN, E. W.**
Aircraft liftemeter
[NASA-CASE-LAR-12518-1] c 06 N84-32383
- MILLER, A. J.**
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691
- MILLER, B. A.**
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- MILLER, C. D.**
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- MILLER, C. E.**
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- MILLER, C. G.**
Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315
Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- MILLER, D. P.**
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- MILLER, E.**
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- MILLER, E. L.**
Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- MILLER, H. B.**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
Sphencal measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
- MILLER, J. A., JR.**
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- MILLER, J. C.**
Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
- MILLER, J. E.**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- MILLER, J. G.**
Ultrasonic calibration device
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- MILLER, J. L.**
Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
- MILLER, P. C.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- MILLER, R. A.**
Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- MILLER, W. E.**
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- MILLER, W. N.**
Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549
- MILLIGAN, G. C.**
Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
- MILLIKEN, D. B.**
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- MILLIKEN, J. F.**
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- MILLS, M. K.**
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- MILLS, S. M.**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Apparatus for microbiological sampling
[NASA-CASE-LAR-11069-1] c 35 N75-12272
Automatic inoculating apparatus
[NASA-CASE-LAR-11074-1] c 51 N75-13502
Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
- MILLY, J. J.**
Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396
- MINDERMAN, P. A.**
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
- MINKIN, H. L.**
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- MINOTT, P. O.**
Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
- MINTER, E. J.**
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
- MINTON, F. R.**
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- MINTON, U. O.**
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- MIRTIICH, M. J.**
Modification of the electrical and optical properties of polymers
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Improved heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N84-32425
Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N85-20129
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
- MIRTIICH, M. J., JR.**
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- MISERENTINO, R.**
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- MITCHELL, D. K.**
Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
- MITCHELL, F. R.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938
- MITCHELL, G. A.**
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
- MITCHELL, N. M.**
Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- MITCHELL, V. M.**
Digital cardiachometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- MITCHUM, L. L., JR.**
Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- MIXSON, J. S.**
Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
- MOACANIN, J.**
Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- MOECKEL, W. E.**
Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
- MOEDE, L. W.**
Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- MOEN, W. K.**
Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
- MOFFITT, F. L.**
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- MOGAVERO, L. N.**
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- MONAGHAN, R. C.**
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- MONDT, J. F.**
Nuclear thermionic converter
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- MONFORD, L. G., JR.**
Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058
Multifunction audio digitizer
[NASA-CASE-MSC-13855-1] c 35 N74-17885
Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850

- MONSON, D. J.**
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- MONTEITH, J. H.**
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- MONTEITH, L. K.**
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- MONTGOMERY, L. C.**
Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- MONTGOMERY, L. D.**
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- MONTOYA, L. C.**
System for use in conducting wake investigation for a wing in flight
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- MOODY, D. L., JR.**
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- MOONEY, V.**
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- MOORE, C. D.**
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- MOORE, H. D.**
Reversible nng counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- MOORE, R. C.**
Open loop digital frequency multiplier
[NASA-CASE-MS-12709-1] c 33 N77-24375
- MOORE, R. L.**
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axis systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- MOORE, T. C.**
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019
- MOORE, T. J.**
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
Diffusion welding in air
[NASA-CASE-LEW-11387-1] c 37 N74-18128
- MOORE, W. A.**
Journal bearings
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- MORANDO, J. A.**
Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- MORDECAI, T. T.**
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- MORECROFT, J. H.**
Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694
- MORELLI, F. A.**
Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- MOREMAN, O. S., III**
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
- MORGAN, C. J.**
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083
- MORGAN, I. T., JR.**
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- MORGAN, J. E.**
Condition sensor system and method
[NASA-CASE-MS-14805-1] c 54 N78-32720
- MORGAN, L. E.**
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
- MORGAN, W. C.**
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
- MORISSETTE, S.**
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- MORRELL, G.**
Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- MORRIS, D. E.**
Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Polymerizable disilanol having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
- MORRIS, J. F.**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
High thermal power density heat transfer
[NASA-CASE-LEW-12950-1] c 34 N82-11399
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- MORRIS, J. R.**
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
- MORRIS, P. W.**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- MORRISSETTE, E. L.**
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- MORRISON, A. D.**
Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934
- MORRISON, H. D.**
Anti-log composition
[NASA-CASE-MS-13530-2] c 23 N75-14834
- MORSE, C. P.**
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
- MORTENSEN, L. O.**
Impact monitoring apparatus
[NASA-CASE-MS-15626-1] c 14 N72-25411
- MOSER, B. G.**
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Polymeric compositions and their method of manufacture
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- MOSER, J. C.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- MOSIER, B.**
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MS-90153-2] c 05 N72-25120
- MOSIER, J. R.**
Decontamination of petroleum products Patent
[NASA-CASE-XNP-03635] c 06 N71-23499
- MOSSOLANI, D. L.**
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- MOUNTVALA, A. J.**
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- MOYER, X. W.**
Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- MOYERS, C. V.**
System for sterilizing objects
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- MOYNIHAN, P. I.**
Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- MROZ, T. S.**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- MUEHTER, P. P.**
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- MUELLER, R. I.**
Method for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N80-14474
- MUELLER, R. L.**
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N79-24431
- MUELLER, W. A.**
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Dialysis system
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- MUGLER, S. W.**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
- MULHERN, J. E., JR.**
Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- MULLEN, D. L.**
Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
Broadband microwave waveguide window Patent
[NASA-CASE-NXP-08880] c 09 N71-24808
- MULLEN, L. O.**
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
- MULLEN, P. G.**
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- MULLER, K.**
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- MULLER, R. M.**
Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495
- MULLIKEN, R. F.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- MUMOLA, P. B.**
Laser head for simultaneous optical pumping of several dye lasers
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- MUNFORD, J. A.**
Laser measuring system for incremental assemblies
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- MUNOZ, R. M.**
High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042
Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Continuous Fourier transform method and apparatus
[NASA-CASE-ARC-10466-1] c 60 N75-13539

- MUNSON, R. E.**
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- MURACA, R. F.**
Apparatus for testing polymenc materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- MURCH, R. M.**
Metal containing polymers from cyclic tetramenc phenylphosphonitlamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- MURPHY, A. J.**
Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
- MURPHY, D. W.**
Frangible link
[NASA-CASE-MS-11849-1] c 15 N72-22488
Pressure limiting propellant actuating system
[NASA-CASE-MS-18179-1] c 20 N80-18097
- MURPHY, F. L.**
Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929
- MURPHY, J. P.**
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- MURPHY, W. J.**
Banum release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having banum release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- MURTY, M. V. R. K.**
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
- MUSICK, R. O.**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- MUSSETT, E. W.**
Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
- MYERS, D. A.**
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- MYERS, I. T.**
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- MYERS, W. N.**
Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
Spherical bearing
[NASA-CASE-MFS-23447-1] c 37 N79-11404
Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
Resilient seal ring assembly with spring means applying force to wedge member
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- N**
- NAESETH, R. L.**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- NAGANO, S.**
Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
Module failure isolation circuit for paralleled inverters
[NASA-CASE-NPO-14000-1] c 33 N79-24254
Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- NAGLE, W. J.**
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
Toroidal cell and battery
[NASA-CASE-LEW-12918-1] c 44 N81-24521
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 33 N84-14422
- NAIDITCH, S.**
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
- NAKADA, M. P.**
Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041
- NAKAMURA, H. H.**
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- NAKANISHI, S.**
Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699
Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N85-20248
- NAKICH, R. B.**
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Digital servo control of random sound test excitation
[NASA-CASE-NPO-11623-1] c 71 N74-31148
- NANCE, H. M.**
A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- NAPLES, J. F.**
Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803
- NARASIMHAN, K. Y.**
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- NASH, D. O.**
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- NASON, G. H.**
Flexible blade antenna Patent
[NASA-CASE-MS-12101] c 09 N71-18720
- NASUTI, A. J.**
Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
- NATHAN, R.**
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- NAUMANN, E. C.**
Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- NAUMANN, R. J.**
Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Carbon monoxide monitor
[NASA-CASE-MFS-22060-1] c 35 N75-29380
- NEAL, P. F.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- NEALY, J. E.**
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- NELSON, B.**
Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
- NELSON, B. W.**
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- NELSON, C. A.**
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- NELSON, C. H.**
Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
- NELSON, C. W.**
X-ray determination of parts alignment
[NASA-CASE-MS-20418-1] c 37 N83-17882
- NELSON, D. E.**
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- NELSON, E. P.**
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- NELSON, H. H.**
Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- NELSON, M. D.**
Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
- NELSON, W. J.**
Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- NERAD, B. A.**
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- NERHEIM, N. M.**
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
- NESMITH, M. F.**
Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 54 N84-11761
Self-indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N84-20860
- NEUGEBAUER, M.**
Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- NEWBY, D. T.**
Hole cutter
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- NEWCOMB, A. L., JR.**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
- NEWCOMB, J. F.**
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
- NEWCOMB, W. L.**
Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41679
- NEWCOMBE, C. A.**
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
- NEWMAN, D. F.**
Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
- NEWMAN, J. B.**
Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- NEWMAN, J. M.**
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
- NIBLEY, D. A.**
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- NICHOLS, F. W.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- NICHOLS, G. B.**
Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
Apparatus for phase stability determination Patent
[NASA-CASE-XGS-01118] c 10 N71-23662
- NICHOLS, G. H.**
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- NICHOLS, J. J.**
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
- NICHOLS, M. R.**
Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
- NICKLAS, J. C.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855

- Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
- NICOL, W. S.**
Vapor deposition apparatus
[NASA-CASE-HQN-10462] c 25 N75-29192
- NIEDRA, J. M.**
Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197
- NIEDZWIECKI, R. W.**
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Controlled separation combustor
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- NIELSON, T. L.**
Technique of elbow bending small jacketed transfer lines
Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
- NIER, A. O.**
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- NIESSEN, F. R.**
Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- NIR, Z.**
Toughening reinforced epoxy composites with brominated polymenc additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- NISEN, D. B.**
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- NISHIOKA, K.**
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- NISSIM, E.**
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- NISWANDER, J. K.**
Memory-based frame synchronizer
[NASA-CASE-GSC-12430-1] c 60 N82-16747
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- NITTA, H.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- NIXON, D. L.**
Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- NOBLE, R. M.**
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- NOLA, F. J.**
Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874
Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436
Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
Electrical power generating system
[NASA-CASE-MFS-24368-3] c 33 N81-22280
Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
Trac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
Bi-directional control system for energy flow in a solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N84-32913
Coupling an induction motor type generator to ac power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660
Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- NOLT, G. D.**
Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- NOONAN, K. W.**
Family of airfoil shapes for rotating blades
[NASA-CASE-LAR-12843-1] c 02 N84-11136
- NORD, D. B.**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- NORDEN, B. N.**
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
- NOREEN, S. J.**
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- NORGREN, C. T.**
Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- NORK, C. L.**
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
- NORMAN, R. M.**
Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
Expandible support means
[NASA-CASE-NPO-11059] c 15 N72-17454
Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
- NORRIS, D. D.**
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- NORTON, R. H.**
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- NORWOOD, J., JR.**
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
- NOSSSEN, E. J.**
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
- NOVOTNY, J. E.**
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- NUSBAUM, W. J.**
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- O**
- OAKLEY, E. C.**
RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
- OBARA, C. J.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N84-12092
- OBERSCHMIDT, M.**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- OBLER, H. D.**
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- OBRAIN, J. P.**
Process for the preparation of polycarbonarylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- OBRIEN, D. E., III**
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
- OBRIEN, J. P.**
Carboranylchlorophosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- OCALLAGHAN, F. G.**
Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
- OCONNER, B. J.**
Failure detection and control means for improved drift performance of a gimballed platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- OCONNOR, E. W.**
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- OCONNOR, J. W.**
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
- ODELL, H. G.**
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- ODONNELL, P. M.**
Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- ODONNELL, T. J.**
Spherically-shaped rocket motor Patent
[NASA-CASE-XHO-01897] c 28 N70-35381
- OERTEL, G. K.**
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
- OFARRELL, H. W.**
Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
- OFFIK, W. G.**
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
- OGDEN, H. F.**
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- OGDEN, H. R.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- OGLE, J. S.**
Whole body measurement systems
[NASA-CASE-MSC-13972-1] c 52 N74-10975
- OHLSON, J. E.**
System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- OKANE, J. H.**
Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
- OKEAN, H. C.**
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
- OKEEFE, W. J.**
Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692
- OKELLY, K. P.**
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
- OKUNOLA, O.**
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N83-30268

OLCOTT, J. W.
 Integrated lift/drag controller for aircraft
 [NASA-CASE-ARC-10456-1] c 05 N75-12930

OLDRIEVE, R. E.
 Reinforced metallic composites Patent
 [NASA-CASE-XLE-02428] c 17 N70-33288
 Method of making fiber reinforced metallic composites
 Patent
 [NASA-CASE-XLE-00231] c 17 N70-38198
 Tantalum modified ferritic iron base alloys
 [NASA-CASE-LEW-12095-1] c 26 N78-18182

OLIVER, G. D.
 Scanning nozzle plating system
 [NASA-CASE-NPO-11758-1] c 31 N74-23065

OLIVER, R. E.
 Multiple reflection conical microwave antenna
 [NASA-CASE-NPO-11661] c 07 N73-14130

OLIVER, R. L.
 Apparatus for applying cover slides
 [NASA-CASE-NPO-10575] c 03 N72-25019

OLLENDORF, S.
 Structural heat pipe
 [NASA-CASE-GSC-11619-1] c 34 N75-12222
 Thermal control canister
 [NASA-CASE-GSC-12253-1] c 34 N79-31523

OLLING, E. H.
 Radial module space station Patent
 [NASA-CASE-XMS-01906] c 31 N70-41373

OLSASKY, M. J.
 Laser camera and diffusion filter therefor Patent
 [NASA-CASE-NPO-10417] c 16 N71-33410

OLSEN, W. A., JR.
 Reduced gravity liquid configuration simulator
 [NASA-CASE-XLE-02624] c 12 N69-39988
 Hot wire liquid level detector for cryogenic fluids
 Patent
 [NASA-CASE-XLE-00454] c 23 N71-17802

OLSON, W. T.
 Inlet deflector for jet engines Patent
 [NASA-CASE-XLE-00388] c 28 N70-34788

OLTMANS, D. A.
 Matched thermistors for microwave power meters
 Patent
 [NASA-CASE-NPO-10348] c 10 N71-12554

ONEIL, R. L.
 Particulate and aerosol detector
 [NASA-CASE-LAR-11434-1] c 35 N76-22509

ONEILL, R. W.
 Monostable multivibrator with complementary NOR
 gates Patent
 [NASA-CASE-MSC-13492-1] c 10 N71-28860
 Peak holding circuit for extremely narrow pulses
 [NASA-CASE-MSC-14129-1] c 33 N75-18479

ORAN, W. A.
 Method and apparatus for shaping and enhancing
 acoustical levitation forces
 [NASA-CASE-MFS-25050-1] c 71 N81-15767
 Gas levitator having fixed levitation node for
 containerless processing
 [NASA-CASE-MFS-25509-1] c 35 N83-24828

OREILLY, W. J.
 Portable environmental control system Patent
 [NASA-CASE-XMS-09632-1] c 05 N71-11203

OREM, V. C.
 Fastener stretcher
 [NASA-CASE-GSC-11149-1] c 15 N73-30457

ORIENT, O. J.
 Generation of intense negative ion beams
 [NASA-CASE-NPO-16061-1-CU] c 72 N85-29701

ORILLION, A. G.
 Personal propulsion unit Patent
 [NASA-CASE-MFS-20130] c 28 N71-27585

ORLIK, F. W.
 Pressure seal Patent
 [NASA-CASE-NPO-10796] c 15 N71-27068

ORLOFF, K. L.
 Combined dual scatter, local oscillator laser Doppler
 velocimeter
 [NASA-CASE-ARC-10642-1] c 36 N76-14447
 Rhomboid prism pair for rotating the plane of parallel
 light beams
 [NASA-CASE-ARC-11311-1] c 74 N83-13978

ORMISTON, R. A.
 Hingeless helicopter rotor with improved stability
 [NASA-CASE-ARC-10807-1] c 05 N77-17029

ORNER, J. W.
 Method and apparatus for detecting gross leaks
 Patent
 [NASA-CASE-ERC-10033] c 14 N71-26672

OROURKE, T. E., JR.
 Sealing member and combination thereof and method
 of producing said sealing member Patent
 [NASA-CASE-XMS-01625] c 15 N71-23022

ORTH, N. W.
 Process for producing dispersion strengthened nickel
 with aluminum Patent
 [NASA-CASE-XLE-06969] c 17 N71-24142
 Method for alleviating thermal stress damage in
 laminates
 [NASA-CASE-LEW-12493-1] c 24 N81-17170
 Method for alleviating thermal stress damage in
 laminates
 [NASA-CASE-LEW-12493-2] c 24 N81-26179

OSHER, J. V.
 Miniature muscle displacement transducer
 [NASA-CASE-NPO-13519-1] c 33 N76-19338

OSMUNDSON, J.
 Dually mode locked Nd YAG laser
 [NASA-CASE-GSC-11746-1] c 36 N75-19654

OSTROFF, A. J.
 Star image motion compensator
 [NASA-CASE-LAR-10523-1] c 14 N72-22444

OSTROFF, J.
 Rotary actuator
 [NASA-CASE-NPO-10244] c 15 N72-26371

OSULLIVAN, W. J., JR.
 Method and apparatus for shock protection Patent
 [NASA-CASE-XLA-00482] c 15 N70-36409
 Self supporting space vehicle Patent
 [NASA-CASE-XLA-00117] c 31 N71-17680
 Thermal control wall panel Patent
 [NASA-CASE-XLA-01243] c 33 N71-22792
 Thermal control panel Patent
 [NASA-CASE-XLA-07728] c 33 N71-22890

OTHMAN, T. E.
 Safety-type locking pin
 [NASA-CASE-MFS-18495] c 15 N72-11385

OTOSHI, T. Y.
 Rotary vane attenuator when rotor has orthogonally
 disposed resistive and dielectric cards
 [NASA-CASE-NPO-11418-1] c 14 N73-13420

OTTO, G. H.
 Synthesis of superconducting compounds by explosive
 compaction of powders
 [NASA-CASE-MFS-20861-1] c 18 N73-32437

OUTLAW, R. A.
 In situ transfer standard for ultrahigh vacuum gage
 calibration
 [NASA-CASE-LAR-10862-1] c 35 N74-15092
 Precision manipulator heating and cooling apparatus for
 use in UHV systems with sample transfer capability
 [NASA-CASE-LAR-13040-1] c 37 N85-29286

OWEN, R. B.
 Collimated beam manifold with the number of output
 beams variable at a given output angle
 [NASA-CASE-MFS-25312-1] c 74 N83-17305
 Dual laser optical system and method for studying fluid
 flow
 [NASA-CASE-MFS-25315-1] c 36 N83-29680
 Laser Schlieren crystal monitor
 [NASA-CASE-MFS-28060-1] c 76 N85-30932

OWENS, L. J.
 Magnetic electrical connectors for biomedical
 percutaneous implants
 [NASA-CASE-KSC-11030-1] c 52 N77-25772
 Rotational joint assembly for the prosthetic leg
 [NASA-CASE-KSC-11004-1] c 54 N77-30749
 Ocean thermal plant
 [NASA-CASE-KSC-11034-1] c 44 N78-32542
 Illumination control apparatus for compensating solar
 light
 [NASA-CASE-KSC-11010-1] c 74 N79-12890
 Prosthesis coupling
 [NASA-CASE-KSC-11069-1] c 52 N79-26772

OZAWA, T.
 Portable reflectance spectrometer
 [NASA-CASE-NPO-13556-1] c 35 N84-33766

P

Preparation of perfluorinated 1,2,4-oxadiazoles
 [NASA-CASE-ARC-11267-2] c 23 N82-28353

PACKARD, R. D.
 Semiconductor surface protection material
 [NASA-CASE-ERC-10339-1] c 18 N73-30532

PACKER, P. N.
 Adjustable securing base
 [NASA-CASE-MSC-19666-1] c 37 N78-17383
 Variable contour securing system
 [NASA-CASE-MSC-16270-1] c 37 N78-27423

PADILLA, D.
 Method and apparatus for fluffing, separating, and
 cleaning fibers
 [NASA-CASE-LAR-11224-1] c 37 N76-18456

PAGE, N. A.
 Optical system
 [NASA-CASE-NPO-15801-1] c 74 N85-23396

PAGEL, L. L.
 Cooling system for high speed aircraft
 [NASA-CASE-LAR-12406-1] c 05 N81-26114

PAIK, S. F.
 Parametric microwave noise generator Patent
 [NASA-CASE-XER-11019] c 09 N71-23598

PAIK, W. W.
 Apparatus for recovering matter adhered to a host
 surface
 [NASA-CASE-NPO-11213] c 15 N73-20514

PAINTER, J. H.
 Anti-multipath digital signal detector
 [NASA-CASE-LAR-11827-1] c 32 N77-10392

PALANDATI, C. F., JR.
 Prevention of pressure build-up in electrochemical cells
 Patent
 [NASA-CASE-XGS-01419] c 03 N70-41864

PALMER, E. I.
 Apparatus for testing a pressure responsive instrument
 Patent
 [NASA-CASE-XMF-04134] c 14 N71-23755

PALSINGH, S.
 Anti-gravity device
 [NASA-CASE-MFS-22758-1] c 70 N75-26789

PAN, F. M.
 A dc-coupled noninverting one-shot Patent
 [NASA-CASE-XNP-09450] c 10 N71-18723

PAOLINI, J. J.
 Full flow with shut off and selective drainage control
 valve Patent application
 [NASA-CASE-ERC-10208] c 15 N70-10867

PAPELL, S. S.
 Low viscosity magnetic fluid obtained by the colloidal
 suspension of magnetic particles Patent
 [NASA-CASE-XLE-01512] c 12 N70-40124
 Liquid storage tank venting device for zero gravity
 environment Patent
 [NASA-CASE-XLE-01449] c 15 N70-41646
 Capacitor and method of making same Patent
 [NASA-CASE-LEW-10364-1] c 09 N71-13522
 Fluid dispensing apparatus and method Patent
 [NASA-CASE-XLE-01182] c 27 N71-15635
 Curved film cooling admission tube
 [NASA-CASE-LEW-13174-1] c 34 N83-27144
 Vortex generating flow passage design for increased
 film cooling effectiveness
 [NASA-CASE-LEW-14039-1] c 34 N85-33433

PAQUETTE, E. G.
 Sonic levitation apparatus
 [NASA-CASE-MFS-25828-1] c 71 N84-28568

PARDOE, C. T.
 Telemetry synchronizer
 [NASA-CASE-GSC-11868-1] c 17 N76-22245

PARESC, F.
 Resistive anode image converter
 [NASA-CASE-HON-10876-1] c 33 N76-27473

PARK, J. J.
 Method of making tubes Patent
 [NASA-CASE-XGS-04175] c 15 N71-18579
 Coated flexible laminate and method of its production
 [NASA-CASE-GSC-12913-1] c 27 N84-24807

PARKER, D. L.
 Apparatus for use in examining the lattice of a
 semiconductor wafer by X-ray diffraction
 [NASA-CASE-MFS-23315-1] c 76 N78-24950

PARKER, G. L.
 Elimination of frequency shift in a multiplex
 communication system Patent
 [NASA-CASE-XNP-01306] c 07 N71-20814
 High speed phase detector Patent
 [NASA-CASE-NXP-01306-2] c 09 N71-24596
 Optical binocular scanning apparatus
 [NASA-CASE-NPO-11002] c 14 N72-22441
 Hydraulic drain means for servo-systems
 [NASA-CASE-NPO-10316-1] c 37 N77-22479

PARKER, J. A.
 Intumescent paints Patent
 [NASA-CASE-ARC-10099-1] c 18 N71-15469

- Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
- Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- Flexible fire retardant polysocyanate modified neoprene foam
[NASA-CASE-ARC-10180-1] c 27 N74-12814
- Chromato-fluorographic drug detector
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
- Amine terminated bisaspartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
- Vinyl styrylpyridines and their copolymerization with bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
- Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
- Light weight fire resistant graphite composites
[NASA-CASE-ARC-11615-1-SB] c 24 N85-28976
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- Metal (2,4,4',4') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- PARKER, L. C.**
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
- Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N85-19990
- PARKER, O. J.**
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
- Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
- Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389
- PARKER, R. J.**
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
- Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
- Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
- Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
- PARMLEY, R. T.**
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- PARR, R. A.**
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- PARRA, G. T.**
Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- PARSONS, W. E.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
- PARTHASARATHY, S. P.**
System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
- System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- PARTSCH, V. M.**
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- PASCIUTTI, E. R.**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- PASIERB, E. F.**
GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
- PASSMAN, H. M.**
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
- PATE, W. E.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- PATEL, B. C.**
Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262
- PATER, R. H.**
Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- PATON, W. J.**
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- PATTEE, H. E.**
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- PATTEN, C. W.**
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- PATTERSON, J. C., JR.**
Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
- Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- PATTERSON, W. J.**
Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
- Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
- Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
- Polymerizable disilanols having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
- PAULI, F. A.**
Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
- PAULKOVICH, J.**
Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
- Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- PAULL, S.**
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
- PAVLICS, F.**
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- PAWLIK, E. V.**
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
- Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- PAWLOWSKI, J. F.**
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
- PEARSON, A. O.**
Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- PEASE, R. E.**
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- PECHMAN, A.**
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
- Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- PECK, S. R.**
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- PECKHAM, V. A., JR.**
Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034
- PEDERSON, C. W.**
Low distortion automatic phase control circuit
[NASA-CASE-MFS-21671-1] c 33 N74-22885
- PEELGREN, M. L.**
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
- PEER, C. R.**
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- PEGDEN, C. D.**
Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- PELCHAT, G. M.**
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- PELISCHEK, T. E.**
Foldable self-erecting joint
[NASA-CASE-MSC-20635-1] c 18 N84-32424
- PELLERIN, C. J., JR.**
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
- PENKO, P. F.**
Improved heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N84-32425
- PENN, B. G.**
Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
- PENQUE, N. J.**
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
- PEOPLES, J. A.**
Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
- PERKINS, G. S.**
Detentng servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
- Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
- Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- PERKINS, H.**
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275
- PERKINS, P. J., JR.**
Cryogenic insulation system Patent
[NASA-CASE-XLE-04222] c 23 N71-22881
- Insulation system Patent
[NASA-CASE-XLE-02647] c 18 N71-23658
- PERLMAN, M.**
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

- Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
- Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
- Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167
- Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
- A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
- System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373
- PERLMUTTER, M.**
- Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- PERRY, C. L.**
- Metabolic analyzer
[NASA-CASE-MFS-21415-1] c 52 N74-20728
- PERRY, G. D.**
- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- PERRY, J. C.**
- System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221
- PERRY, W. E.**
- Optical conversion method
[NASA-CASE-MS-C-12618-1] c 74 N78-17865
- PERSON, J. K.**
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- PESEK, C. T.**
- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
- PESMAN, G. J.**
- Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- PETERS, D. A.**
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- PETERS, H. E.**
- Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
- PETERS, L., JR.**
- Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- PETERS, P. N.**
- Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- PETERS, R. L.**
- CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- PETERS, R. W.**
- Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
- PETERSEN, G. R.**
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- PETERSEN, H. L.**
- Four phase logic systems
[NASA-CASE-MS-C-14240-1] c 33 N75-14957
- PETERSEN, H. W.**
- Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- PETERSON, E. W.**
- Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
- PETERSON, N. C.**
- Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- PETERSON, N. E., JR.**
- Shnk-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- PETERSON, P. D.**
- Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- PETERSON, S. A.**
- Reusable captive blind fastener
[NASA-CASE-MS-C-18742-1] c 37 N82-26673
- PETERSON, S. T.**
- Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- PETERSON, V. S.**
- Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
- Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
- Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
- Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- PETERSON, W. A.**
- Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
- PETERSON, W. D.**
- Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- PETERSEN, H. E.**
- Medical subject monitoring systems
[NASA-CASE-MS-C-14180-1] c 52 N76-14757
- PETRASEK, D. W.**
- Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
- Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
- Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
- Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- PETRICK, E. N.**
- Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
- PETRICK, S. W.**
- Radiative cooler
[NASA-CASE-NPO-15465-1] c 34 N84-22903
- PETYNIA, W. W.**
- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- Space vehicle system
[NASA-CASE-MS-C-12561-1] c 18 N76-17185
- PEYTON, J.**
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- PEZDIRT, G. F.**
- Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
- Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
- Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
- Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
- PFUFF, H.**
- Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
- PFIFFNER, H. J.**
- Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
- Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MS-C-20187-1] c 33 N85-20249
- PFLEGER, R. O.**
- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- PFLUGER, H. L.**
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- PHELPS, A. E.**
- Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- PHILLIPP, W. H.**
- Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
- Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
- Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- PHILLIPS, A. R.**
- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- PHILLIPP, W. H.**
- Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- PHILLIPS, B. L. S.**
- File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908
- PHILLIPS, E. C., JR.**
- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- PHILLIPS, W. H.**
- Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
- Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969
- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154
- PHILLIPS, W. M.**
- Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
- Cermet composition and method of fabrication
[NASA-CASE-NPO-13120-1] c 27 N76-15311
- High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
- Nuclear thermionic converter
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- PHLIEGER, G. A., JR.**
- Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
- Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
- Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
- Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
- PIASECKI, L. R.**
- Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- PICCILO, G. L.**
- Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- PICHAICHANARONG, P.**
- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- PIERCE, R. M.**
- Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534

- PINCKNEY, K. R.**
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- PINCKNEY, S. Z.**
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
- PINCUS, B. R.**
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- PINKEL, I. I.**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLA-02624] c 12 N69-39988
- PINSON, G. T.**
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- PIPPEN, D. L.**
High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
- PITELLI, E. E.**
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
- PITTS, D. E.**
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
- PITTS, F. L.**
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- PITTS, W. C.**
Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
- PIVIROTTI, T. J.**
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
High power metallic halide laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- PIZZECK, D. E.**
Connector
[NASA-CASE-LAR-11709-1] c 37 N76-27567
- PLAKAS, C. J.**
Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- PLAMONDON, J. A., JR.**
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- PLAMOWSKI, S. C.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- PLATT, P. K.**
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- PLAZEK, D. J.**
Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
- PLEASANTS, J. E.**
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Vortex breech high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- PLITT, K. F.**
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
- PODGORSKI, T. J.**
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
- POESCHEL, R. L.**
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
- POGORZELSKI, F. S.**
Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
- POHL, H. O.**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- POHL, J. G.**
Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
- POHM, A. V.**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- POLHAMUS, E. C.**
Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
- Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
- Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- POLHEMUS, J. T.**
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- POLLACK, I.**
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
- POLLACK, J. L.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- POLLARD, R. A.**
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
- POLLOCK, G. E.**
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- POLSTORFF, W. K.**
Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
- POMPLUM, F. A.**
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- POOL, S. L.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- POOLE, B. D., JR.**
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- POORMAN, R. M.**
Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214
- POPE, A. M.**
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- POPE, J. M.**
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- POPE, W. L.**
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- POPICK, H.**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- POPINSKI, Z.**
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- POPMA, D. C.**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- PORADEK, J. C.**
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
- PORTER, A. C.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- PORTER, E. E.**
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- PORTER, R. N.**
Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- PORTER, W. A.**
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- PORTNOY, W. A.**
Insulated electrocardiographic electrodes
[NASA-CASE-MSC-14339-1] c 05 N75-24716
- PORTWOOD, J. N.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- POSCHENRIEDER, W. P.**
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- POSEY, D. L.**
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- POSHKUS, A. C.**
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
Synthesis of 2,4,8,10-tetroxaspiro[5,5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187
- POSNER, E. C.**
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- POST, R. E.**
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- POSTMA, R. W.**
Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382
- POTEATE, W. B.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- POTTER, A. E., JR.**
Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
- POTTER, L. R.**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- POTTER, N. H.**
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- POTTER, P. D.**
Cassegrain antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Dichroic plate
[NASA-CASE-NPO-13506-1] c 35 N76-15435
- POUCHOT, W. D.**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- POULSEN, P. D.**
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- POVINELLI, L. A.**
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
- POWELL, C. A., JR.**
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
- POWELL, J. A.**
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- POWELL, J. D.**
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
- POWELL, W. B.**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- POWELL, W. E., JR.**
Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- POWER, J. L.**
Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- POWERS, E. I.**
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- POZSONY, E. R.**
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
- PRASTHOFER, W. P.**
Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 27 N84-11297

PRELIASCO, R. J.
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157

PRESCOTT, R.
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436

PRESCOTT, W. A.
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062

PRESLEY, L. L.
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PRESTON, G. M.
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566

PRESTON, G. W.
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900

PRICE, A. G.
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089

PRICE, H. W.
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324

PRICE, P.
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730

PRICE, S. B.
Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161

PRIDE, J. D., JR.
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259

PRIEBE, G. W.
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192

PRIOLETTI, J. A.
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500

PRITCHARD, E. B.
Orbital and entry tracking accessory for globes
[NASA-CASE-LAR-10626-1] c 19 N74-21015

PRITCHARD, H. O.
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

PROCH, G. E.
Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

PROEMSEY, J. H.
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322

PROFFIT, R. L.
Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

PROGAR, D. J.
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N84-14323
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125

PROK, G. M.
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382

PROKOPIUS, P. R.
Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503

PRUETT, B. J.
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755

PRUETT, E. C.
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

PRYOR, D. E.
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

PRYOR, P. P., JR.
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421

PRZYBYSEWSKI, J. S.
Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

PSALTIS, D.
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

PSARRAS, T.
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016

PUCCINELLI, A. A.
Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051

PUCILLO, G. L.
Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136

PULLING, R. C.
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

PURCELL, T. H., JR.
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032

PURGOLD, G. C.
Automated syringe sampler
[NASA-CASE-LAR-12308-1] c 35 N81-29407

PUSTER, R. L.
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447

PUTNAM, D. F.
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

Q

QADER, S. A.
Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912

QUATINETZ, M.
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536

QUATTRONE, P. D.
Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

QUEEN, R. B.
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951

QUINN, R. B.
Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521
Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

R

RADNOFSKY, M. I.
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006

RAGGIO, C. W., JR.
Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645

RAINEY, R. W.
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

RAINWATER, L. L.
Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191

RAMEY, R. L.
Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
Active microwave lenses and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
Thin film microwave lens
[NASA-CASE-LAR-10511-1] c 09 N72-29172

RAMME, F. B.
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121

RAMOHALLI, K. N. R.
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

RAND, J. L.
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Thin film strain transducer
[NASA-CASE-WLP-10055-2] c 35 N85-21598

RANDALL, J. C.
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855

RANDLE, R. J., JR.
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193

RANEY, J. P.
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106

RAO, D. M.
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
Leading edge vortex flaps for drag reduction
[NASA-CASE-LAR-12750-1] c 02 N81-19016
Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985

RAPOSA, F. L.
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295

RAPOZA, E. J.
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724

RASMUSSEN, H. P.
Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143

RASQUIN, J. R.
Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778

RASSWEILER, G. G.
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

RATAJCZAK, A. F.
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601

RATCLIFF, L. P.
Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903

RATHZ, T. J.
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

RAVAS, R. J.
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126

- RAVENHALL, R.**
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- RAVINDRAM, M.**
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- RAWLIN, V. K.**
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
- RAWSON, J.**
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- RAY, W. L.**
Remote fire stack igniter
[NASA-CASE-MFS-21675-1] c 25 N74-33378
- RAYBORN, G. H.**
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
- RAYLE, W. D.**
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- READ, F. G.**
Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
- READ, W. S.**
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
- READER, A. F.**
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- READER, P. D.**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
- REAM, L. W.**
Diesel engine catalytic combustor system
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- RECHTER, H. L.**
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- REDDING, A. H.**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- REDMON, J. W.**
Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- REECE, O. Y.**
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
- REED, A. E.**
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- REED, J. H., JR.**
Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
- REED, L.**
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- REED, R. D.**
Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- REED, W. H., III**
Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
- Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- REESE, P. B.**
Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097
- REGNIER, W. W.**
Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- REHAGE, J. R.**
Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- REIBER, J. H. C.**
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- REICHMAN, B.**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
- REID, H. J. E., JR.**
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
- REID, H., JR.**
Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- REID, M. A.**
Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- REID, M. S.**
Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- REID, R.**
Spacecraft docking and alignment system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- REID, W. J.**
Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- REILLY, N. B.**
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- REILLY, T. H.**
Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- REILLY, W. W.**
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- REINHARDT, G.**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- REINHARDT, V. S.**
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
- REINHOLD, H. W.**
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
- REINISCH, R. F.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- REINITZ, K.**
Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
- REISS, D. A.**
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- REIMBAUM, A.**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
Heat detection and compositions and devices thereof
[NASA-CASE-NPO-10764-1] c 14 N73-14428
Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573
Heat detection and compositions and devices thereof
[NASA-CASE-NPO-10764-2] c 35 N75-25122
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
Pressure transducer
[NASA-CASE-NPO-11150] c 35 N78-17359
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- REMPEL, R. C.**
Optically pumped resonance magnetometer for determining vectoral components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- REMPFER, P. S.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- RENNER, W.**
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- RENNIE, P. A.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- RESWICK, J. B.**
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- REYNOLDS, G. H.**
Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- REYNOLDS, H. I.**
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- REYNOLDS, J. M.**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- REYNOLDS, R. K.**
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
- REYNOLDS, W. E.**
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
- RHEIN, R. A.**
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- RHIM, W. K.**
Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- RHO, J. H.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- RHODES, C. M.**
Method for retarding dye fading during archival storage of developed color photographic film
[NASA-CASE-MFS-23250-1] c 35 N82-11432

- RHODES, D. B.**
Optical scanner
[NASA-CASE-LAR-11711-1] c 74 N78-17866
Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- RHODES, L. L.**
Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162
- RHODES, M. D.**
Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
- RHODES, P. H.**
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- RIAZ, M.**
Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
- RIBARICH, J. J.**
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
- RICCITELLO, S. R.**
Polymenc foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- RICCITELLO, S. R.**
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Flexible fire retardant polyisocyanate modified neoprene foam
[NASA-CASE-ARC-10180-1] c 27 N74-12814
Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- RICE, R. F.**
Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- RICE, R. R.**
Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
- RICE, R. W.**
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- RICE, S. H.**
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- RICE, W. J.**
Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559
- RICH, E., JR.**
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
- RICHARD, C. E.**
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- RICHARD, H. L.**
Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 35 N84-25016
- RICHARD, R. R.**
Angular accelerometer Patent
[NASA-CASE-XMS-05936] c 14 N70-41682
- RICHARDS, R. R.**
Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- RICHARDS, W. E.**
Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- RICHARDSON, J. I.**
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- RICHARDSON, J. R.**
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639
- RICHARDSON, R. W.**
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- RICHLEY, E. A.**
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- RICHMOND, J. C.**
Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- RICHTER, C. G.**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- RICHTER, H. L.**
Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- RICHTER, I. A.**
Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
- RICHTER, R.**
Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- RICKETTS, R. H.**
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- RIEBE, J. M.**
Landing arrangement for aenal vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Landing arrangement for aenal vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
- RIEBLING, R. W.**
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
- RIEKER, L. L.**
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- RIGGS, K. E.**
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MRS-25791-1] c 09 N84-27749
- RILEY, J. F.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- RILEY, T. J.**
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- RINARD, G. A.**
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
- RINDNER, W.**
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- RINEHART, D.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- RINGELMAN, J. F.**
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- RIPPY, R. R.**
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- RITCHIE, D. G.**
Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
Maternal handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483
- RITCHIE, D. W.**
Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
- RITCHIE, R. S.**
Slide release mechanism
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- RITCHIE, V. S.**
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- RITTER, D. L.**
Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
- RLOFF, K. L.**
Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- ROACH, J. E.**
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- ROBBINS, H. J.**
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
- ROBELEN, D. B.**
Deploy/release system
[NASA-CASE-LAR-11575-1] c 02 N76-16014
- ROBERTS, D. E.**
Apparatus for testing wring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
- ROBERTS, D. L.**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- ROBERTS, E. J.**
Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484
- ROBERTS, M. L.**
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- ROBERTS, V. W.**
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- ROBERTSON, A. J.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- ROBERTSON, J. B.**
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- ROBERTSON, K. B.**
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- ROBERTSON, W. L.**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- ROBILLARD, G.**
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- ROBINS, A. W.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- ROBINSON, G. P.**
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- ROBINSON, M.**
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
- ROBINSON, M. B.**
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

- ROBINSON, P. A., JR.**
FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N84-33211
- ROBINSON, R. K.**
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- ROBINSON, W. J., JR.**
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- ROBSON, P. N.**
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- ROCHOW, S. E.**
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- RODNER, W. H.**
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- RODRIGUEZ, G. E.**
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
- ROEDER, E. R.**
Braze alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Braze alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
Braze alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- ROESKE, P. W.**
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- ROGALLO, F. M.**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038
- ROGALLO, V. L.**
Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
- ROGERS, F. O.**
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- ROGERS, J. R.**
Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- ROGOWSKI, R. S.**
Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- ROHATGI, N. K.**
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
Hydrodesulfurization of chlorinized coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- ROLF, E.**
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- ROLIK, G. P.**
Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
- ROLLER, R. F.**
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
- ROLLINS, G. N.**
System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
- ROLLINS, J. R.**
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- ROM, F. E.**
Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- ROMAN, J. A.**
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- ROMAN, R. F.**
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
Textured carbon surfaces on copper
[NASA-CASE-LEW-14130-1] c 31 N85-20156
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
- ROMANCZYK, K. C.**
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- ROMMEL, M. A.**
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- ROMVARY, E., JR.**
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- RONEY, B. W.**
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483
- ROOT, G. L.**
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
- ROSALES, L. A.**
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- ROSE, S. D.**
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- ROSEN, H. A.**
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- ROSEN, L.**
Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- ROSENBAUM, B. J.**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- ROSENBLUM, L.**
Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- ROSENGREN, L. G.**
Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
- ROSIER, W. R.**
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- ROSIN, A. D.**
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- ROSIN, S.**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- ROSINSKI, W. K.**
Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- ROSITANO, S. A.**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- ROSS, B.**
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- ROSS, L. O.**
Preparation of heterocyclic block copolymer omega-diamdioximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- ROSSER, R. W.**
Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
Preparation of heterocyclic block copolymer omega-diamdioximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- ROSSI, B. B.**
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- ROSSOW, V. J.**
Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073
- ROTH, H.**
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
- ROTMAN, A.**
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
- ROUDEBUSH, W. H.**
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- ROUGHTON, N. A.**
Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329
- ROUSEY, W. J.**
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- ROUTH, D. E.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- ROUZER, L. E.**
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
- ROWE, H. E.**
Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- ROWLAND, C. W.**
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502

- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- ROWLETTE, J. J.**
State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
- ROWLEY, P. D.**
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- ROY, N. L.**
Cosmic dust analyzer
[NASA-CASE-MS-C-13802-2] c 35 N76-15431
Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- ROY, U.**
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
- ROYSTER, D. M.**
Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
Curved cap corrugated sheet
[NASA-CASE-LAR-12894-1] c 18 N84-33450
- ROZAS, P.**
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MS-C-18675-1] c 32 N84-22820
- RUBERT, K. F.**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
- RUBIN, B.**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- RUBIN, D. C.**
Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
- RUBIN, I.**
Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
- RUDDOCK, K. A.**
Optically pumped resonance magnetometer for determining vectoral components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- RUDERMAN, I. W.**
Metabolic rate meter and method
[NASA-CASE-MS-C-12239-1] c 52 N79-21750
- RUDMANN, A. A.**
Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
- RUDNICK, I.**
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
- RUEHR, W. C.**
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- RUHNKE, L. H.**
Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- RUITBERG, A. P.**
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146
High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- RUIZ, W. V.**
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MS-C-18430-1] c 37 N82-24491
- RUMBLE, C. V.**
Means for accommodating large overstrain in lead wires
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- RUMMEL, J. A.**
Metabolic analyzer
[NASA-CASE-MFS-21415-1] c 52 N74-20728
- RUMMLER, D. R.**
Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773
Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287
- RUNDELL, D. J.**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- RUOFF, C. F.**
Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N83-36485
- RUOFF, C. F., JR.**
Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- RUPE, J. H.**
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- RUPNIK, D. R.**
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- RUPP, C. C.**
Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
- RUPPE, E. P.**
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- RUSSELL, C. H.**
Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
- RUSSELL, G. R.**
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- RUSSELL, J. M., III**
Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
- RUSSELL, L. D.**
High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
- RUSSELL, W. E.**
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- RUST, R.**
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- RUTLEDGE, C. W.**
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- RYAN, C. R.**
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- RYAN, E. W.**
Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- RYAN, G. G.**
Tanker orbit transfer vehicle and method
[NASA-CASE-MS-C-20543-1] c 18 N84-22610
- RYASON, P. R.**
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- RYBICKI, G. C.**
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267

S

- SABAROFF, S.**
Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- SABELMAN, E. E.**
Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
Ferroluoid solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185
- SABOL, A. P.**
Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- SACKS, B. H.**
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- SADHUKHAN, P.**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- SAFFREN, M. M.**
Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- SAHINKAYA, Y.**
Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
- SAINSBURY-CARTER, J. B.**
Bonded joint and method
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- SAINTCLAIR, T. L.**
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
- SAKELLARIS, P. C.**
Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466
- SALAMA, A. M.**
Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
- SALEMME, C. T.**
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- SALIK, J.**
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-1] c 26 N85-21324
- SALISBURY, D. P.**
High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- SALISBURY, J. K., JR.**
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
- SALMIRS, S.**
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
- SALOMON, P. M.**
Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- SALTER, W. E.**
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

- SALTZMAN, E. J.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
Low-drag ground vehicle particularly suited for use in safety transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- SALVINSKI, R. J.**
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- SAMFIELD, E.**
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
- SAMONSKI, F. H., JR.**
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
- SAMSON, J. A. R.**
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- SAMSON, R.**
Sealed cabinetry Patent
[NASA-CASE-MS-C-12168-1] c 09 N71-18600
- SAN MIGUEL, A.**
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
- SANDBORN, V. A.**
Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- SANDER, R. C.**
Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- SANDERS, B. W.**
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
- SANDFORD, M. C.**
Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- SANDROCK, G. D.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- SANDSTROM, D. B.**
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
- SANTARPIA, D.**
Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- SARBOLOUKI, M. N.**
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- SARGISSON, D. F.**
Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Integrated gas turbine engine nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Integrated gas turbine engine nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- SATER, B. L.**
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- SAUER, L. S.**
Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
- SAUER, R. L.**
Automatic biowaste sampling
[NASA-CASE-MS-C-14640-1] c 54 N76-14804
- SAUER, T. H.**
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- SAUERS, D. G.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
Lightweight electrically-powered flexible thermal laminate
[NASA-CASE-MS-C-12662-1] c 33 N79-12331
- SAUNDERS, A. A., JR.**
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- SAUNDERS, A. R.**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- SAUNDERS, J. M.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- SAUNDERS, N. T.**
Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
- SAUTER, R. J.**
Foot pedal operated fluid type exercising device
[NASA-CASE-MS-C-11561-1] c 05 N73-32014
- SAWKO, P. M.**
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147
Intumescent paint containing nitrite rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- SAWYER, C. D.**
Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- SAWYER, D. E.**
Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
- SAWYER, J. T.**
Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- SAWYER, R. V.**
Electrical servo actuator bracket
[NASA-CASE-FRC-11044-1] c 37 N81-33483
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- SCAPICCHIO, A. J.**
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- SCARPELLI, A. R.**
Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N85-20248
- SCHACH, M.**
Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
- SCHACHT, W. F.**
Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- SCHACHTER, M. M.**
Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- SCHAEFER, D. H.**
Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778
Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- SCHAEFER, G. J.**
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
- SCHAEER, G. R.**
Method of making porous conductive supports for electrodes
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- SCHAFFER, G. L.**
Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
- SCHAFFERT, J. C.**
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
- SCHALLER, N. C.**
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- SCHANSMAN, R. R.**
Photoelectric detection system
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- SCHAPPERT, G. T.**
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- SCHAUS, R. B.**
Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- SCHIEBE, H.**
Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- SHELL, J. T.**
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- SCHER, M. P.**
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
- SCHER, S. H.**
Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
- SCHIFFNER, G.**
Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
- SCHILLER, J. G.**
Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- SCHINDLER, R. A.**
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- SCHLESINGER, F. W.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- SCHLOSS, A. L.**
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- SCHMIDT, E. E.**
Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
- SCHMIDT, H. W.**
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- SCHMIDT, K. C.**
Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317
- SCHMIDT, L. F.**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951

- SCHMIDT, R.**
Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
- SCHMIDT, R. F.**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Electronic scanning of 2-channel monopulse patterns
Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
Dish antenna having switchable beamwidth
[NASA-CASE-GSC-11760-1] c 33 N75-19516
Single frequency, two feed dish antenna having
switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
Variable beamwidth antenna
[NASA-CASE-GSC-11862-1] c 32 N76-18295
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
- SCHMIDT, W. G.**
Ammonium perchlorate composite propellant containing
an organic transitional metal chelate catalytic additive
Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- SCHMITT, A. L.**
Sun angle calculator
[NASA-CASE-MS-C-12617-1] c 35 N76-29552
- SCHMITZ, B. W.**
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- SCHMITZ, F. H.**
Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- SCHNEIDER, R. T.**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
Safety flywheel
[NASA-CASE-HQN-10888-1] c 44 N79-14527
- SCHNEIDER, W. C.**
Auger attachment method for insulation
[NASA-CASE-MS-C-12615-1] c 37 N76-19437
- SCHNITZER, E.**
Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
- SCHNOPPER, H. W.**
Dual purpose optical instrument capable of
simultaneously acting as spectrometer and
diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- SCHOEN, A. H.**
Honeycomb panels formed of minimal surface periodic
tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
Honeycomb core structures of minimal surface tubule
sections
[NASA-CASE-ERC-10363] c 18 N72-25541
Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
- SCHOLL, J. A.**
Method of forming shapes from planar sheets of
thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
- SCHOMBURG, C.**
Densification of porous refractory substrates
[NASA-CASE-MS-C-18737-1] c 24 N83-13171
High temperature silicon carbide impregnated insulating
fabrics
[NASA-CASE-MS-C-18832-1] c 27 N83-18908
- SCHORUM, S. W.**
High speed binary to decimal conversion system
Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
- SCHRADER, J. H.**
Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766
Apparatus for aiding a pilot in avoiding a midair collision
between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
- SCHREDER, K. D.**
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
- SCHROEDER, J. E.**
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- SCHUBERT, F. H.**
Iodine generator for reclaimed water purification
[NASA-CASE-MS-C-14632-1] c 54 N78-14784
- SCHUBERT, W. W.**
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- SCHUERER, P. H.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 27 N84-11297
- SCHULLER, F. T.**
Journal bearings
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- SCHULTZ, D. F.**
Steam cooled nch-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
- SCHUMACHER, L. L.**
Wide angle sun sensor
[NASA-CASE-NPO-13327-1] c 35 N75-23910
- SCHUSTER, D. M.**
Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Parabolic reflector horn feed with spillover correction
Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Insertion loss measuring apparatus having transformer
means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- SCHUSTER, M. A.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- SCHUTT, J. B.**
Alkali-metal silicate protective coating
[NASA-CASE-GSC-04119] c 18 N69-39979
Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363
Remote sensing of vegetation and soil using microwave
ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
Alkali-metal silicate binders and methods of
manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
Diffusely reflecting paints including
polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044
- SCHUTZENHOFER, L. A.**
Apparatus for reducing aerodynamic noise in a wind
tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
- SCHWAB, W. B.**
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 31 N78-17237
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- SCHWARTZ, I. R.**
Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
- SCHWARZ, F. C.**
Saturation current protection apparatus for saturable
core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
Saturation current protection apparatus for saturable
core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
Analog Signal to Discrete Time Interval Converter
(ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Load insensitive electrical device
[NASA-CASE-XER-11046-2] c 33 N74-22864
- SCHWINGHAMER, R. J.**
Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
- Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
Method and apparatus for precision sizing and joining
of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
Method and apparatus for precision sizing and joining
of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
Method and apparatus for precision sizing and joining
of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- SCHWUTTKÉ, G. H.**
Growth of silicon carbide crystals on a seed while pulling
silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
Method of increasing minority carrier lifetime in silicon
web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- SCIACCA, T. P.**
Device for measuring electron-beam intensities and for
subjecting materials to electron irradiation in an electron
microscope
[NASA-CASE-XGS-01725] c 14 N69-39982
- SCOGGINS, J. R.**
Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
- SCOPELIANOS, A. G.**
Process for the preparation of
polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carbonylcyclotriphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Carboranyl methylene-substituted phosphazenes and
polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- SCOTT, C. E.**
Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437
- SCOTT, C. N.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- SCOTT, D. R.**
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N84-14423
- SCOTT, R. F.**
Burrowing apparatus
[NASA-CASE-NPO-07169] c 15 N73-32362
- SCOTT, R. R.**
Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- SCOTT, S. G.**
Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
- SCOTT, W. L.**
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- SCOW, J.**
Multiple circuit switch apparatus with improved pivot
actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
- SCROOP, F. R.**
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- SCUDDER, L. R.**
Application of semiconductor diffusants to solar cells
by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- SCULLY, P. T.**
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
- SEA, R. G.**
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- SEABAUGH, A. C.**
Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- SEAMAN, C. H.**
Method and apparatus for Doppler frequency modulation
of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- SEATON, A. F.**
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Virtual wall slot circularly polarized planar array
antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127

- SEATON, S. L.**
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
- SEAY, B. P., JR.**
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
- SEBACHER, D. I.**
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- SECKEL, E.**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- SECRETAN, L.**
Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- SEGMILLER, H. L. B.**
Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
- SEIDEL, B. L.**
Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- SEIDENBERG, B.**
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
- SEILER, E. E.**
Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
- SEITZ, T. E.**
Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
- SEITZINGER, V. F.**
Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
- SELCUK, M. K.**
Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582
Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- SELLEN, J. M., JR.**
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
- SELLERS, F. J.**
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- SENNOTT, J. W.**
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- SENSENY, R. M.**
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- SERAFINI, T. T.**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- SETZER, D.**
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N85-21595
- SEWARD, H. H.**
Compact spectroradiometer
[NASA-CASE-HON-10683] c 14 N71-34389
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- SEYFFERT, M. B.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
- SEYL, J. W.**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- SHACK, R. V.**
Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- SHADY, D. L.**
Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- SHAEFER, D. H.**
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
- SHAFER, J. I.**
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- SHAFFER, C. V.**
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
- SHAI, C. M.**
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
- SHAI, M. C.**
Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044
- SHALHOUB, I. M.**
The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Bifunctional monomers having terminal oxime and cyano or amide groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- SHALTENS, R. K.**
Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
- SHANKAR, N. K.**
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- SHANKS, G. C.**
Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312
- SHANNON, R. L.**
Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- SHANNON, R. R.**
Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- SHAPIRO, H.**
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489
- SHARMA, G. C.**
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- SHARMA, M.**
Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
- SHARMA, M. M.**
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- SHARPE, M. H.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- SHATAZSKY, R.**
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- SHATTUCK, R. D.**
Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- SHAW, C. S.**
Exhaust flow deflector
[NASA-CASE-LAR-11570-1] c 34 N76-18364
- SHAW, D. S.**
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- SHAW, G. C.**
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- SHAW, R. C.**
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 14 N84-22596
- SHEARER, C. H.**
Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- SHEETS, R. E.**
Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551
- SHEFSIEK, P. K.**
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
- SHEIBLEY, D. W.**
Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-1] c 44 N79-17313
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 33 N84-14422
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- SHELPUK, B.**
Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- SHELTON, G. B.**
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

- System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- SHELTON, J. P., JR.**
Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483
- SHELTON, R. D.**
Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
- SHEPARD, C. E.**
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- SHEPARD, L. F.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- SHEPARD, N. F., JR.**
Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- SHEPARD, S. K.**
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- SHER, A.**
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- SHERBURNE, A. E.**
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- SHERFFEY, J. M.**
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
- SHERMAN, A.**
Annular slit collod thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- SHERILL, G.**
Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- SHERWIN, E. J.**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- SHETH, S.**
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
- SHETH, S. G.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- SHEWMAKE, G. A.**
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
- SHIEBER, H.**
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
- SHIGEMOTO, F. H.**
Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- SHILLINGER, G. L., JR.**
Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- SHIM, I. H.**
Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- SHIMA, R.**
Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- SHIMADA, K.**
Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- SHIMANSKY, R. A.**
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- SHIMIZU, M.**
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- SHIMODA, K.**
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- SHIRA, C. S.**
Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
- SHIRE, L. I.**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- SHLICHTA, P. J.**
Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
Method of making macrocrystalline or single crystal semiconductive material and products produced thereby
[NASA-CASE-NPO-15904-1] c 76 N83-21993
Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
- SHLOSINGER, A. P.**
Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- SHORES, P. W.**
Position determination systems
[NASA-CASE-MSC-12593-1] c 17 N76-21250
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820
- SHORTRIDGE, S. R.**
Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- SHRIVER, C. B.**
Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- SHRIVER, C. L.**
Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
- SHRIVER, E. L.**
Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843
Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
Self-energized plasma compressor
[NASA-CASE-MFS-22145-1] c 75 N75-13625
Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390
- SHROCK, C. G.**
Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- SHUBE, E. E.**
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- SHULL, T. A.**
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- SHULMAN, A. R.**
Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- SHUMATE, M. S.**
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- SHUMKA, A.**
Space-charge-limited solid-state diode
[NASA-CASE-NPO-13064-1] c 33 N79-11314
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- SHURE, L. I.**
Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- SHUTE, D. I.**
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- SIDMAN, K. R.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-1] c 27 N82-16238
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484
- SIDORAK, L. G.**
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- SIEBERT, C. J.**
Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
- SIEGEL, B.**
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- SIEGEL, C. M.**
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- SIEGMAN, A. E.**
Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- SIERADSKI, L. M.**
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- SIEVERS, M. W.**
High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
- SIEWERT, R. D.**
Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- SIGFRED, J.**
Length controlled stabilized mode-lock ND YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
- SIGNORELLI, R. A.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- SIKORA, P. F.**
High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- SIKORRA, D. J.**
Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531

- SILVER, R. H.**
Means and method of measuring viscoelastic strain Patent [NASA-CASE-XNP-01153] c 32 N71-17645
Miniature stress transducer Patent [NASA-CASE-XNP-02983] c 14 N71-21091
Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test [NASA-CASE-NPO-10778] c 14 N72-11364
Subminiature insertable force transducer [NASA-CASE-NPO-13423-1] c 33 N75-31329
Strain gage mounting assembly [NASA-CASE-NPO-13170-1] c 35 N76-14430
Miniature muscle displacement transducer [NASA-CASE-NPO-13519-1] c 33 N76-19338
Myocardium wall thickness transducer and measuring method [NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research [NASA-CASE-NPO-13643-1] c 52 N76-29896
- SILVERMAN, J. R.**
Programmable telemetry system Patent [NASA-CASE-GSC-10131-1] c 07 N71-24624
- SILVERTSON, W. E., JR.**
Logical function generator [NASA-CASE-XLA-05099] c 09 N73-13209
- SIMAS, V. R.**
Optimum predetection diversity receiving system Patent [NASA-CASE-XGS-00740] c 07 N71-23098
- SIMMONDS, M. R.**
Self-contained breathing apparatus [NASA-CASE-MSC-14733-1] c 54 N76-24900
- SIMMONDS, P. G.**
Atmospheric sampling devices [NASA-CASE-NPO-11373] c 13 N72-25323
Electrolytic gas operated actuator [NASA-CASE-NPO-11369] c 15 N73-13467
Compact hydrogenator [NASA-CASE-NPO-11682-1] c 35 N74-15127
- SIMMONS, G. M.**
Preparing oxidizer coated metal fuel particles [NASA-CASE-NPO-11975-1] c 28 N74-33209
- SIMMONS, W. H.**
Indexed keyed connection Patent [NASA-CASE-XMS-02532] c 15 N70-41808
- SIMON, M. K.**
Data-aided carrier tracking loops [NASA-CASE-NPO-11282] c 10 N73-16205
Decision feedback loop for tracking a polyphase modulated carrier [NASA-CASE-NPO-13103-1] c 32 N74-20811
Coherent receiver employing nonlinear coherence detection for carrier tracking [NASA-CASE-NPO-11921-1] c 32 N74-30523
- SIMON, S. L.**
Temperature reducing coating for metals subject to flame exposure Patent [NASA-CASE-XLE-00035] c 33 N71-29151
- SIMPKINS, L. G.**
Television multiplexing system [NASA-CASE-KSC-10654-1] c 07 N73-30115
- SIMPSON, J. G.**
Solar concentrator [NASA-CASE-MFS-23727-1] c 44 N80-14473
- SIMPSON, W. E.**
Radiator deployment actuator Patent [NASA-CASE-MSC-11817-1] c 15 N71-26611
- SIMPSON, W. G.**
Space environmental work simulator Patent [NASA-CASE-XMF-07488] c 11 N71-18773
Stud-bonding gun [NASA-CASE-MFS-20299] c 15 N72-11392
Mixing insert for foam dispensing apparatus [NASA-CASE-MFS-20607-1] c 37 N76-19436
Sprayable low density ablator and application process [NASA-CASE-MFS-23506-1] c 24 N78-24290
Cork-resin ablative insulation for complex surfaces and method for applying the same [NASA-CASE-MFS-23626-1] c 24 N80-26388
- SIMS, C. R.**
Multi axes vibration fixtures [NASA-CASE-MFS-20242] c 14 N73-19421
- SINCLAIR, A. R.**
Ablation sensor Patent [NASA-CASE-XLA-01791] c 14 N71-22991
Laser communication system for controlling several functions at a location remote to the laser [NASA-CASE-LAR-10311-1] c 16 N73-16536
Automatic focus control for facsimile cameras [NASA-CASE-LAR-11213-1] c 35 N75-15014
- SINGER, S.**
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof [NASA-CASE-NPO-10557] c 27 N78-17214
- SINGH, J. J.**
Mossbauer spectrometer radiation detector [NASA-CASE-LAR-11155-1] c 35 N74-15091
Low energy electron magnetometer using a monoenergetic electron beam [NASA-CASE-LAR-12706-1] c 35 N84-12444
Radionuclide counting technique for measuring wind velocity and direction [NASA-CASE-LAR-12971-1] c 47 N84-28292
A system for controlling the oxygen content of a gas produced by combustion [NASA-CASE-LAR-13257-1] c 25 N84-32447
Process for improving moisture resistance of epoxy resins by addition of chromium ions [NASA-CASE-LAR-13226-1] c 27 N85-34282
- SINHA, M. P.**
Particle analyzing method and apparatus [NASA-CASE-NPO-15292-1] c 35 N83-27184
- SIROCKY, P. J.**
Apparatus for transferring cryogenic liquids Patent [NASA-CASE-XLE-00345] c 15 N70-38020
- SIVERTSON, W. E., JR.**
Adaptive compression of communication signals Patent [NASA-CASE-XLA-03076] c 07 N71-11266
Rate data encoder [NASA-CASE-LAR-10128-1] c 08 N73-20217
Method of locating persons in distress [NASA-CASE-LAR-11390-1] c 32 N77-21267
Radar target for remotely sensing hydrological phenomena [NASA-CASE-LAR-12344-1] c 43 N80-18498
- SIVITER, J. H., JR.**
Micrometeoroid penetration measuring device Patent [NASA-CASE-XLA-00941] c 14 N71-23240
- SIVLEY, J. B.**
Phase locked phase modulator including a voltage controlled oscillator Patent [NASA-CASE-XNP-05382] c 10 N71-23544
- SIZEMORE, K. O.**
Method and apparatus for battery charge control Patent [NASA-CASE-XGS-05432] c 03 N71-19438
- SLATER, R. J.**
Traveling sealer for contoured table Patent [NASA-CASE-XLA-01494] c 15 N71-24164
- SLAYDEN, M. D.**
Pulse amplitude and width detector Patent [NASA-CASE-XMF-06519] c 09 N71-12519
Pulse rise time and amplitude detector Patent [NASA-CASE-XMF-08804] c 09 N71-24717
- SLEEMAN, W. C., JR.**
Control for flexible parawing Patent [NASA-CASE-XLA-06958] c 02 N71-11038
- SLEMP, W. S.**
Particulate and solar radiation stable coating for spacecraft [NASA-CASE-LAR-10805-2] c 34 N77-18382
- SLIFER, L. W., JR.**
Solar cell and circuit array and process for nullifying magnetic fields Patent [NASA-CASE-XGS-03390] c 03 N71-23187
- SLINEY, H. E.**
Bonded solid lubricant coating Patent [NASA-CASE-XMS-00259] c 18 N70-36400
Method of making self lubricating fluoride-metal composite materials Patent [NASA-CASE-XLE-08511-2] c 18 N71-16105
Self-lubricating fluoride metal composite materials Patent [NASA-CASE-XLE-08511] c 18 N71-23710
Bearing material [NASA-CASE-LEW-11930-1] c 24 N76-22309
Method of making bearing materials [NASA-CASE-LEW-11930-4] c 24 N79-17916
Method of making bearing material [NASA-CASE-LEW-11930-3] c 24 N80-33482
- SLOWIKOWSKI, D. F.**
Digital pulse width selection circuit Patent [NASA-CASE-XLA-07788] c 09 N71-29139
- SMALL, J. G.**
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent [NASA-CASE-XNP-00708] c 14 N70-35394
- SMALL, W. J.**
Orbiter/launch system [NASA-CASE-LAR-12250-1] c 14 N81-26161
- SMIALEK, J. L.**
Oxidation resistant slurry coating for carbon-based materials [NASA-CASE-LEW-13923-1] c 26 N85-35267
- SMILOWITZ, K.**
Programmable scan/read circuitry for charge coupled device imaging detectors [NASA-CASE-NPO-15345-1] c 74 N84-23247
- SMISER, L. W.**
Method for repair of thin glass coatings [NASA-CASE-KSC-11097-1] c 27 N82-33520
- SMITH, A. B.**
Method of forming thin window drifted silicon charged particle detector Patent [NASA-CASE-XLE-00808] c 24 N71-10560
- SMITH, C.**
Counter and shift register Patent [NASA-CASE-XNP-01753] c 08 N71-22897
- SMITH, D.**
Brazing alloy Patent [NASA-CASE-XNP-03063] c 17 N71-23365
- SMITH, D. L.**
Hall effect transducer [NASA-CASE-LAR-10620-1] c 09 N72-25255
- SMITH, E. B.**
Curved centerline air intake for a gas turbine engine [NASA-CASE-LEW-13201-1] c 07 N81-14999
- SMITH, E. W.**
Banum release system [NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having banum release system to create ion clouds in the upper atmosphere [NASA-CASE-LAR-10670-2] c 15 N74-27360
- SMITH, G. E.**
Inflatable device for installing strain gage bridges [NASA-CASE-FRC-11068-1] c 35 N84-12443
- SMITH, H. A.**
Spherical tank gauge Patent [NASA-CASE-XMS-06236] c 14 N71-21007
Emergency space-suit helmet [NASA-CASE-MSC-10954-1] c 54 N78-18761
- SMITH, H. E.**
Digital computing cardiachometer [NASA-CASE-MFS-20284-1] c 52 N74-12778
Automatic weld torch guidance control system [NASA-CASE-MFS-25807] c 37 N83-20154
- SMITH, H. J.**
Variable resistance constant tension and lubrication device [NASA-CASE-KSC-10723-1] c 37 N75-13265
- SMITH, J. A.**
Thermal insulation protection means [NASA-CASE-MSC-12737-1] c 24 N79-25142
- SMITH, J. G.**
Satellite personal communications system [NASA-CASE-NPO-14480-1] c 32 N80-20448
- SMITH, J. P.**
Energy management system for glider type vehicle Patent [NASA-CASE-XFR-00756] c 02 N71-13421
- SMITH, J. R., JR.**
Balanced bellows spirometer [NASA-CASE-XAR-01547] c 05 N69-21473
Temperature compensated solid state differential amplifier Patent [NASA-CASE-XAC-00435] c 09 N70-35440
Transfer valve Patent [NASA-CASE-XAC-01158] c 15 N71-23051
Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent [NASA-CASE-XAC-05422] c 04 N71-23185
- SMITH, J. W.**
Apparatus for damping operator induced oscillations of a controlled system [NASA-CASE-FRC-11041-1] c 33 N82-18493
- SMITH, L.**
Low gravity phase separator [NASA-CASE-MSC-14773-1] c 35 N78-12390
- SMITH, L. G.**
Ionospheric battery Patent [NASA-CASE-XGS-01593] c 03 N70-35408
- SMITH, L. H., JR.**
Reverse pitch fan with divided splitter [NASA-CASE-LEW-12760-1] c 07 N77-17059
- SMITH, L. S.**
Polarity sensitive circuit Patent [NASA-CASE-XNP-00952] c 10 N71-23271
- SMITH, M.**
Silica reusable surface insulation [NASA-CASE-ARC-10721-1] c 27 N76-22376
Fibrous refractory composite insulation [NASA-CASE-ARC-11169-1] c 24 N79-24062
Adjustable high emittance gap filler [NASA-CASE-ARC-11310-1] c 27 N82-24339
Spray coating apparatus having a rotatable workpiece holder [NASA-CASE-ARC-11110-1] c 37 N82-24492
- SMITH, N. J.**
Calibrating pressure switch [NASA-CASE-XMF-04494-1] c 33 N79-33392

- SMITH, R. E.**
High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N84-16986
- SMITH, R. W.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- SMITH, S. F.**
Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N83-35228
- SMITH, T. B., III**
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- SMITH, W. O.**
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- SMITH, W. R.**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- SMITH, W. W.**
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- SMITHRICK, J. J.**
Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 33 N84-29084
- SMOOT, G. F.**
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- SMYLIE, R. E.**
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
- SMYLY, H. M.**
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- SNEEDEN, R. J.**
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
- SNODDY, L. G.**
Insert facing tool
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- SNYDER, J. A.**
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
- SNYDER, L. M.**
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
- SNYDER, P. K.**
Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N84-25015
- SNYDER, R. S.**
Method of crystallization
[NASA-CASE-MFS-23001-1] c 76 N77-32919
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- SODD, V. J.**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- SOFFEN, G. A.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- SOHL, G.**
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- SOINI, H. E.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- SOKOLOWSKI, D. E.**
Heat exchanger
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- SOLOMON, G.**
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
- SOLTIS, D. G.**
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 33 N84-14422
- Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- SOMOANO, R. B.**
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- SONNENSCHNEIN, C. M.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- SONNENSCHNEIN, G.**
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- SORENSEN, C. E.**
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- SORENSEN, N. E.**
Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- SOTER, E. J.**
Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
- SOTHERLUND, A. W., JR.**
Single action separator mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- SOURS, W. P.**
Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
- SOVEY, J. S.**
Modification of the electrical and optical properties of polymers
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
Improved heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N84-32425
Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N85-20129
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
- SOWA, W. W.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- SPADY, A. A., JR.**
Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- SPAIN, I. L.**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- SPALVINS, T.**
Deposition of alloy films
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- SPANG, H. A., III**
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- SPARKS, R. H.**
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- SPEARMAN, M. L.**
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- SPEISER, R. C.**
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
- SPENCER, B., JR.**
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- SPENCER, D. J.**
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- SPENCER, J. L.**
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- SPENCER, P. R.**
Radiation direction detector including means for compensating for photoelectron aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- SPENCER, R. L.**
Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
- SPENCER, R. S.**
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- SPIER, R. A.**
Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Vee-notching device
[NASA-CASE-MFS-20730-1] c 39 N74-13131
- SPIES, R.**
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- SPITZ, L. A.**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- SPITZER, C. R.**
Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- SPITZIG, W. A.**
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
- SPREACACE, R. P.**
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- SPRINGER, L. R.**
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- SPRINGETT, J. C.**
Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
- SPRINGFIELD, C. L.**
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- SPROSS, F. R.**
Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599
- SPUCK, W. H., III**
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- SQUILLARI, W.**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- SQUYRES, H. P.**
Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941
- SRIVASTAVA, S. K.**
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
- ST. CLAIR, A. K.**
Crystalline polyimides
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N85-20128
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-2] c 27 N85-21349

- Process for preparing highly optically transparent-colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N85-21360
- Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- ST. CLAIR, T. L.**
Crystalline polyimides
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
Melt-flow-toughness modified polyimide
[NASA-CASE-LAR-13135-1] c 27 N84-34616
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
[NASA-CASE-LAR-12858-2] c 27 N85-20124
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N85-20128
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-2] c 27 N85-21349
Process for preparing highly optically transparent-colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N85-21360
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- STACEY, A. B., JR.**
Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335
- STACEY, J. M.**
Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- STALEY, S. D.**
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- STAINBACK, J. D.**
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- STALEY, H. W.**
Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- STALEY, R. W.**
Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- STALLCOP, J. R.**
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- STALOFF, C.**
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- STAMPS, J. C.**
Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485
- STANDAGE, A. E.**
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- STANGE, W. C.**
Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
- STANLEY, A. G.**
Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- STARK, K. W.**
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094
- STARKE, M. W.**
Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
- STARKEY, D. J.**
Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
- STARNER, E. R.**
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MS-C-14649-1] c 33 N76-16331
- STATTEL, R. J.**
Memory-based frame synchronizer
[NASA-CASE-GSC-12430-1] c 60 N82-16747
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- STAUGAITIS, C. L.**
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N84-20670
- STCLAIR, T. L.**
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
- STCLAIRE, T. L.**
Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- STECURA, S.**
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
- STEELE, E. R.**
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132
- STEELE, R. K.**
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- STEENHAGEN, G.**
Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
- STEENKEN, J.**
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- STEIN, B. A.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- STEIN, R. J.**
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- STEIN, S.**
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
- STEINBERG, R.**
Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- STEINMETZ, C. P.**
Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- STELBEN, J. J.**
Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- STELL, R. E.**
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
- STELLA, A. J.**
Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
- STELTS, P. D.**
Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- STELZRIED, C. T.**
Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- STENGARD, E. O.**
Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- STENGEL, R. F.**
Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281
- STENLUND, S. J.**
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- STEPHANS, J. B.**
Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
- STEPHENS, D. G.**
Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- STEPHENS, D. L.**
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- STEPHENS, J. B.**
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- STEPHENS, J. R.**
Process for making a high toughness-high strength iron alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- STERMAN, A. P.**
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- STERN, N.**
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- STERRETT, J. R.**
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170

- STETSON, A. R.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- STEUDEL, R. M.**
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
- STEVENS, M. L.**
Surface conforming thermal/pressure seal
[NASA-CASE-MSC-18422-1] c 37 N82-16408
- STEVENS, M. R.**
Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
- STEVENSON, L. E.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- STEWART, C. H.**
Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240
- STEWART, D. A.**
Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- STEWART, R. B.**
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
- STEWART, W. L.**
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- STICKLE, J. W.**
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- STIFFLER, J. J.**
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- STIGBERG, J. D.**
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- STINE, H. A.**
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- STIRN, R. J.**
High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- STJOHN, R. H.**
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- STOAKLEY, D. M.**
Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- STOCKARD, R. R.**
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
- STOCKER, P. J.**
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- STOCKS, C. D.**
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
- STOCKTON, R. J.**
Microwave switching power divider
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- STOKES, C. S.**
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- STOKES, R. C.**
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- STOLLER, F. W.**
Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- STONE, F. A.**
Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
- STONE, L. P.**
Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
- STONE, R. W., JR.**
G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- STONE, S. E.**
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
- STONEBURNER, J. D.**
Acoustic particle separation
[NASA-CASE-NPO-155559-1] c 71 N85-30765
- STOOPS, W. E., JR.**
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- STORY, A. W.**
System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- STOTLER, C. L., JR.**
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- STRAIGHT, D. M.**
Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
Gas turbine exhaust nozzle
[NASA-CASE-LEW-11569-1] c 07 N74-15453
- STRAND, L. D.**
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Nitramine propellants
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- STRANGE, M. G.**
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- STRASS, H. K.**
Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- STREED, E. R.**
Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- STRINGHAM, R. S.**
Vitra-violet process for producing flame resistant polymides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- STROCK, W. J.**
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- STROM, T. N.**
Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
Spiral groove seal
[NASA-CASE-XLE-10326-4] c 37 N74-15125
- STRONG, I. J.**
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
- STRONG, J. P., III**
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- STROUB, R. H.**
Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
- STROUHAL, G.**
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- STROUP, E. R.**
Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- STRULL, G.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- STRUTHOFF, G. L.**
Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- STUART, J. L.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- STUART, J. W.**
Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
- STUCKEY, J. M.**
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- STUDENICK, D. K.**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
- STUDER, P. A.**
Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
Magnetic bearing
[NASA-CASE-GSC-11079-1] c 37 N75-18574
Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Linear magnetic motor/generator
[NASA-CASE-GSC-12518-1] c 33 N82-24421
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- STUMP, C. W.**
Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- STUMP, E. C., JR.**
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- STURGIS, A. C.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- STURM, R. G.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- STURMAN, J. C.**
Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471
- STYLES, C. M.**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
- SUDEY, J.**
Low speed phaselock speed control system
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- SULLIVAN, D. B.**
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
- SULLIVAN, E. M.**
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796

- SULLIVAN, J. L.**
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- SULLIVAN, T. E.**
Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- SUMIDA, J. T.**
Miniature multichannel biotelemeter system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- SUMMERFIELD, D. G.**
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- SUMMERS, R. H.**
Geneva mechanism
[NASA-CASE-NPO-13281-1] c 37 N75-13266
- SUPPLEE, F. H., JR.**
A two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N85-21610
- SUSZKO, S. F.**
Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N85-20250
- SUTLIFF, J. D.**
Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630
- SWAIM, R. J.**
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- SWAIN, R. L.**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
- SWANN, R. T.**
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
- SWARTZ, P. F.**
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- SWEAT, J. C.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- SWEET, G. E.**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
- SWETTE, L. L.**
Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
- SWINGLE, R. L.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- SWIRSKY, B. D.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- SWORDS, B. B.**
Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- SYDNOR, R. L.**
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- SYVERTSON, C. A.**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- SZOFRAN, F. R.**
Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533
- SZUWALSKI, B.**
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- T**
- TABACK, I.**
Small conductive particle sensor
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- TADDEO, F. V.**
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- TALBOT, M. W.**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- TALLEY, D. H.**
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
- TARPLEY, J. L.**
Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- TASHBAR, P. W.**
System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161
- TAUB, W. M.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
- TAUSWORTHE, R. C.**
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- TAYLOR, A. H.**
Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 18 N84-20628
Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
- TAYLOR, C. J.**
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
- TAYLOR, J. R.**
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- TAYLOR, L. L.**
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
- TAYLOR, L. T.**
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- TAYLOR, L. V.**
Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
- TAYLOR, M. S.**
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
- TAYLOR, R. A.**
Digital computing cardiachometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
- TAYLOR, R. C.**
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- TAYLOR, R. E.**
Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- TAYLOR, T. I.**
Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- TCHENG, P.**
A two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N85-21610
- TCHERNEV, D. I.**
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- TE POEL, H. E.**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- TEGNELIA, C. R.**
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- TEITELBAUM, S.**
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- TELFER, T. A.**
Method of determining bond quality of power transistors attached to substrates
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- TEMPLE, G.**
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- TEMPLE, H. E.**
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- TENER, W. M.**
Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- TENG, R. N.**
Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
- TENNEY, J. B., JR.**
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- TENOSO, H. J.**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- TEPPER, E. H.**
Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- TERP, L. S.**
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
- TERRAY, A.**
Method of making an apertured casting
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- TERSELIC, R. A.**
Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
- TERVET, F. W.**
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- TESINSKY, J. S.**
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- TETSUKA, G. M.**
Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- THAKOOR, A. P.**
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- THALER, S.**
Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- THALLER, L. H.**
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- THATCHER, C. S.**
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
- THEAKSTON, H. A.**
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
- THEISS, M.**
Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- THIBODAUX, J. G., JR.**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
- THIEL, A. M.**
Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
- THIELE, C.**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- THIELE, C. L.**
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443

- THOLE, J. M.**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- THOM, K.**
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- THOMAS, D. F., JR.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085
Kinesthetic control simulator
[NASA-CASE-LAR-10276-1] c 09 N75-15662
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- THOMAS, H. N.**
Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
- THOMAS, N. E.**
Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- THOMAS, N. L.**
Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- THOMAS, R. D.**
Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
Thermocouple tape
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
- THOMAS, R. R.**
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MS-16260-1] c 51 N80-16714
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- THOMASON, H. E.**
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- THOMPSON, G. D., JR.**
Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- THOMPSON, J. R., JR.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- THOMPSON, R. B.**
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MS-19672-1] c 38 N79-14398
- THOMPSON, R. E.**
On-film optical recording of camera lens settings
[NASA-CASE-MS-12363-1] c 14 N73-26431
- THOMPSON, S. W.**
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- THOMPSON, W. W.**
Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- THOMSON, A. R.**
Pulsed energy power system Patent
[NASA-CASE-MS-13112] c 03 N71-11057
- THOMSON, J. A. L.**
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- THORNHILL, J. W.**
Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- THORNTON, G. E.**
Hole cutter
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- THORNTON, W. E.**
Kinesimetric method and apparatus
[NASA-CASE-MS-18929-1] c 39 N83-20280
Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MS-20202-1] c 54 N84-16803
- THORNWALL, J. C.**
Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- THORPE, R. S.**
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- THYS, P. C.**
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- TIBBITTS, W. C.**
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- TICKNER, E. G.**
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- TIEFERMANN, M. W.**
Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- TILLER, N. G.**
Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
- TIMM, J. D.**
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- TIMOR, U.**
Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- TINLING, B. E.**
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- TISCHLER, R. F.**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- TISDALE, H. F., SR**
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- TITLE, A. M.**
Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- TITUS, L. E.**
Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
- TOBIAS, R. A.**
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
- TOCK, R. W.**
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- TODD, H. H.**
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
- TOFT, A. R.**
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- TOLL, T. A.**
Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
- TOLSON, B. A.**
Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
- TOM, H. Y.**
Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- TOMBRELLO, T. A.**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- TOMLINSON, H. M.**
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- TOMLINSON, L. E.**
Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
- TONGIER, M., JR.**
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- TOOLE, P. C.**
High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197
High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
Compact bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356
- TOOTS, J.**
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- TOPITS, A., JR.**
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
- TORBETT, M. A.**
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- TORNEY, F. L., JR.**
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
- TOTH, L. R.**
Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
- TOWNES, C. H.**
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
- TOWNSEND, M. R.**
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- TOY, M. S.**
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
Vitra-violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MS-16074-1] c 27 N80-26446
- TRADEF, A. G.**
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
Pneumatic amplifier Patent
[NASA-CASE-MS-12121-1] c 15 N71-27147
- TRAVIS, E. W.**
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
- TRELEASE, R. B.**
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- TRENT, R. C.**
Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
- TRENT, R. L.**
Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- TRIMBLE, D. W.**
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- TRIMPI, R. L.**
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- TRINH, E. H.**
System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

- TRIOLO, J. J.**
Apparatus for controlling the temperature of balloon-borne equipment [NASA-CASE-GSC-11620-1] c 34 N74-23039
- TRIPP, C. N.**
Booster tank system Patent [NASA-CASE-MSC-12390] c 27 N71-29155
- TRISCHLER, F. D.**
Polyurethanes of fluonne containing polycarbonates [NASA-CASE-MFS-10512] c 06 N73-30099
Polyurethanes from fluoroalkyl propyleneglycol polyethers [NASA-CASE-MFS-10506] c 06 N73-30100
Fluorohydroxy ethers [NASA-CASE-MFS-10507] c 06 N73-30101
Highly fluornated polymers [NASA-CASE-MFS-11492] c 06 N73-30102
Fluonne containing polyurethane [NASA-CASE-MFS-10509] c 06 N73-30103
Fluonne-containing polyformals [NASA-CASE-XMF-06900-1] c 27 N79-21191
- TROEGER, R. E.**
Tip cap for a rotor blade [NASA-CASE-LEW-13654-1] c 07 N84-22560
- TROMBKA, J. I.**
Method and apparatus for mapping the distribution of chemical elements in an extended medium [NASA-CASE-GSC-12808-1] c 25 N85-21279
- TROST, R. F.**
Data compression system with a minimum time delay unit Patent [NASA-CASE-XNP-08832] c 08 N71-12506
- TROUT, O. F., JR.**
Heat protection apparatus Patent [NASA-CASE-XLA-00892] c 33 N71-17897
- TROWBRIDGE, D. L.**
Independent gain and bandwidth control of a traveling wave maser [NASA-CASE-NPO-13801-1] c 36 N78-18410
Swept group delay measurement [NASA-CASE-NPO-13909-1] c 33 N78-25319
- TRUBERT, M. R.**
Collapsible structure for an antenna reflector [NASA-CASE-NPO-11751] c 07 N73-24176
- TRUSCH, R. B.**
Condensate removal device for heat exchanger [NASA-CASE-MSC-14143-1] c 77 N75-20139
- TRUSSELL, D. H.**
High intensity heat and light unit Patent [NASA-CASE-XLA-00141] c 09 N70-33312
- TSCHIRCH, R. P.**
Heat sealable, flame and abrasion resistant coated fabric [NASA-CASE-MSC-18382-1] c 27 N82-16238
Heat sealable, flame and abrasion resistant coated fabric [NASA-CASE-MSC-18382-2] c 27 N84-14324
Heat resistant protective hand covering [NASA-CASE-MSC-20261-1] c 54 N84-28484
- TSCHUNKO, H. F. A.**
Optical mirror apparatus Patent [NASA-CASE-ERC-10001] c 23 N71-24868
Electromechanical control actuator system Patent [NASA-CASE-ERC-10022] c 15 N71-26635
Optical system support apparatus [NASA-CASE-XER-07896-2] c 23 N72-22673
- TSUDA, G. I.**
High efficiency multifrequency feed [NASA-CASE-GSC-11909] c 32 N74-20863
- TSUO, Y. H.**
Photocapacitive image converter [NASA-CASE-LAR-12513-1] c 44 N82-32841
- TSUTSUMI, K.**
Hydraulic drive mechanism Patent [NASA-CASE-XMS-03252] c 15 N71-10658
- TUBBS, E. F.**
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam [NASA-CASE-NPO-15865-1] c 74 N85-34629
- TUBBS, H. E.**
Continuous detonation reaction engine Patent [NASA-CASE-XMF-06926] c 28 N71-22983
- TUCKER, C. E.**
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases [NASA-CASE-NPO-15220-1] c 45 N83-25217
- TUCKER, E. M.**
Coupling device [NASA-CASE-XMS-07846-1] c 09 N69-21927
Space suit heat exchanger Patent [NASA-CASE-XMS-09571] c 05 N71-19439
Extravehicular tunnel suit system Patent [NASA-CASE-MSC-12243-1] c 05 N71-24728
- TUGGLE, R. H., JR.**
Apparatus for assembling space structure [NASA-CASE-MFS-23579-1] c 18 N79-11108
- TULEY, E. N.**
Tip cap for a rotor blade [NASA-CASE-LEW-13654-1] c 07 N84-22560
- TUMULTY, W. T., JR.**
Minimech self-deploying boom mechanism [NASA-CASE-GSC-10566-1] c 15 N72-18477
- TUNG, Y.**
Liquid waste feed system [NASA-CASE-LAR-10365-1] c 05 N72-27102
- TURK, R. R.**
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c 17 N71-29137
- TURLY, A. P.**
Time delay and integration detectors using charge transfer devices [NASA-CASE-GSC-12324-1] c 33 N81-33403
- TURNAGE, J. E.**
Flame detector operable in presence of proton radiation [NASA-CASE-MFS-21577-1] c 19 N74-29410
- TURNER, G. B.**
Driver for solar cell I-V characteristic plots [NASA-CASE-NPO-14096-1] c 44 N80-18551
- TURNER, J. W.**
Measurement system [NASA-CASE-MFS-20658-1] c 14 N73-30386
- TURNER, R. C.**
Thermocouple assembly Patent [NASA-CASE-XNP-01659] c 14 N71-23039
- TURNER, R. E.**
Anemometer with braking mechanism Patent [NASA-CASE-XMF-05224] c 14 N71-23726
Maxometers (peak wind speed anemometers) [NASA-CASE-MFS-20916] c 14 N73-25460
- TURNER, T. M.**
Dual differential interferometer [NASA-CASE-LAR-12966-1] c 35 N85-30282
- TURNER, T. R.**
Double hinged flap Patent [NASA-CASE-XLA-01290] c 02 N70-42016
- TUTTLE, S. A.**
Application of luciferase assay for ATP to antimicrobial drug susceptibility [NASA-CASE-GSC-12039-1] c 51 N77-22794
- TVEITAN, W.**
Data compression system [NASA-CASE-XNP-09785] c 08 N69-21928
- TWARD, E.**
Cycling Joule Thomson refrigerator [NASA-CASE-NPO-15251-1] c 31 N83-31897
- TYAGI, R. C.**
High field CdS detector for infrared radiation [NASA-CASE-LAR-11027-1] c 35 N74-18088
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements [NASA-CASE-LAR-11144-1] c 25 N75-26043
- TYCZ, M.**
Apparatus for simulating optical transmission links [NASA-CASE-GSC-11877-1] c 74 N76-18913
- TYLER, A. L.**
Helical recorder arrangement for multiple channel recording on both sides of the tape [NASA-CASE-GSC-10614-1] c 09 N72-11224
System for stabilizing torque between a balloon and gondola [NASA-CASE-GSC-11077-1] c 02 N73-13008
- TYREE, V. C.**
Real-time multiple-look synthetic aperture radar processor for spacecraft applications [NASA-CASE-NPO-14054-1] c 32 N82-12297
- U**
- UBER, P. W.**
Tape recorder Patent [NASA-CASE-XGS-08259] c 14 N71-23698
- ULRICH, B. R.**
Aircraft-mounted crash-activated transmitter device [NASA-CASE-MFS-16609-3] c 03 N76-32140
- ULRICH, D. R.**
Screened circuit capacitors [NASA-CASE-LAR-10294-1] c 26 N72-28762
- ULRICH, G. W.**
Latching device [NASA-CASE-MFS-21606-1] c 37 N75-19685
- UNDERWOOD, J. H.**
Collimator of multiple plates with axially aligned identical random arrays of apertures [NASA-CASE-MFS-20546-2] c 14 N73-30389
Multiplate focusing collimator [NASA-CASE-MFS-20932-1] c 35 N75-19616
- X-ray imaging mirror system and method of producing the same [NASA-CASE-NPO-15828-1] c 74 N83-30222
- UPDIKE, O. L.**
Apparatus for measuring a sorbate dispersed in a fluid stream [NASA-CASE-ARC-10896-1] c 35 N78-19465
- UPTON, D. T.**
Scanner [NASA-CASE-GSC-12032-2] c 43 N82-13465
- URBAN, E. W.**
Direct current transformer [NASA-CASE-MFS-23659-1] c 33 N79-17133
- URSERY, B. C.**
Collapsible nozzle extension for rocket engines Patent [NASA-CASE-MFS-11497] c 28 N71-16224
- V**
- VADAKAN, V. V.**
Multicomputer communication system [NASA-CASE-NPO-15433-1] c 32 N85-21428
- VALENTIUN, H. P.**
Roll-up solar array Patent [NASA-CASE-NPO-10188] c 03 N71-20273
Deployable solar cell array [NASA-CASE-NPO-10883] c 31 N72-22874
- VALINSKY, J. P.**
Device for monitoring a change in mass in varying gravimetric environments [NASA-CASE-MFS-21556-1] c 35 N74-26945
- VALLOTTON, W. C.**
Anthropomorphic master/slave manipulator system [NASA-CASE-ARC-10756-1] c 54 N77-32721
Mechanical energy storage device for hip disarticulation [NASA-CASE-ARC-10916-1] c 52 N78-10686
- VANALSTYNE, E. M.**
Spacecraft Patent [NASA-CASE-MSC-13047-1] c 31 N71-25434
- VANARNAM, D. E.**
Pneumatic system for controlling and actuating pneumatic cyclic devices [NASA-CASE-XMS-04843] c 03 N69-21469
- VANATTA, L. C.**
Circularly polarized antenna [NASA-CASE-ERC-10214] c 09 N72-31235
- VANAUKEN, R.**
Reinforced polyquinoxaline gasket and method of preparing the same [NASA-CASE-MFS-21364-1] c 37 N74-18126
- VANDERHOFF, J. W.**
Process for preparation of large-particle-size monodisperse latexes [NASA-CASE-MFS-25000-1] c 25 N81-19242
- VANDERIET, E. K.**
Magnetic power switch Patent [NASA-CASE-NPO-10242] c 09 N71-24803
- VANGO, S. P.**
Liquid junction and method of fabricating the same Patent Application [NASA-CASE-NPO-10682] c 15 N70-34699
Flexible composite membrane Patent [NASA-CASE-XNP-08837] c 18 N71-16210
- VANNUCCI, R. D.**
Curing agent for polyepoxides and epoxy resins and composites cured therewith [NASA-CASE-LEW-13226-1] c 27 N81-17260
- VANO, A. E.**
Quick attach mechanism Patent [NASA-CASE-XFR-05421] c 15 N71-22994
- VANORNUM, D. G.**
Electric arc light source having undercut recessed anode [NASA-CASE-ARC-10266-1] c 33 N75-29318
- VANSCHOIACK, M. M. E.**
High impedance measuring apparatus Patent [NASA-CASE-XMS-08589-1] c 09 N71-20569
- VANTUYLRLUSCH, W.**
Millimeter wave radiometer for radio astronomy Patent [NASA-CASE-XNP-09832] c 30 N71-23723
- VARGO, D. J.**
Ophthalmic method and apparatus [NASA-CASE-LEW-11669-1] c 05 N73-27062
- VARMA, I. K.**
Phosphorus-containing bisimide resins [NASA-CASE-ARC-11321-1] c 27 N81-27272
Phosphorus-containing imide resins [NASA-CASE-ARC-11368-1] c 27 N83-31854
Elastomer-modified phosphorus-containing imide resins [NASA-CASE-ARC-11400-1] c 27 N84-14322
Phosphorus-containing imide resins [NASA-CASE-ARC-11368-3] c 27 N84-22745

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347

VARS, G.
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

VARY, A.
Tnode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599
Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035

VASILAKOS, N.
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

VAUGHAN, G. R.
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544

VAUGHAN, O. H.
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

VAUGHAN, R. L.
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

VAUGHAN, R. W.
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397

VAUSE, R.
Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107

VEHRENCAMP, J. E.
Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186

VEIKINS, O.
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730

VEILLETTE, L. J.
Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459

VELLEND, H.
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

VERMILLION, C. H.
Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081

VERMILLION, C. M.
Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491

VERNIKOS, J.
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

VESSOT, R. F. C.
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313

VICK, A. R.
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366

VICK, H. A.
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317

VICKERS, E. C.
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195

VICKERS, J. M.
Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163

VICKERS, J. M. F.
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906

VIEMANN, W.
Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

VIKINSALO, S. J.
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678

VILLARREAL, S.
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952

VILNROTTER, V. A.
Synchronization tracking in pulse position modulation receiver
[NASA-CASE-NPO-16256-1] c 32 N84-32620

VINAL, A. W.
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135

VINCENT, J. S.
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560

VINE, J.
Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

VIVIAN, H. C.
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806

VODICKA, V. W.
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

VOECKS, G. E.
Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826

VOGELY, A. W.
Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
Combined optical altitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

VOGL, O.
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043

VOLK, G. G.
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

VOLKOFF, J. J.
Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697

VOLPE, F. A.
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886

VONPRAGENAU, G. L.
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N85-30341

VONROOS, O.
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251

VONROOS, O. H.
Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541

VONTIESENHAUSEN, G.
Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 15 N85-11122

VONTIESENHAUSEN, G. F.
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895

VORHABEN, K. H.
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893

VORKINK, H. G.
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

VORREITER, J. W.
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

VRANAS, T.
Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

VUKELICH, E. K.
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

VYKUKAL, H. C.
Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092
Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N84-33021
Elbow and knee joint for hard space suits and the like
[NASA-CASE-ARC-11610-1] c 54 N85-20666
Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11543-1] c 54 N85-21986
Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N85-21987

W

WADE, O. W.
Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400

WADE, W. R.
Improved legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226

WAGES, G. G.
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130

WAGNER, A. P.
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

WAGNER, C. A.
Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417

- WAGNER, H. R.**
Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- WAGNER, W. B.**
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- WAKELYN, N. T.**
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- WALD, D.**
Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- WALKER, D. J.**
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- WALKER, H. J.**
Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- WALKER, H. M.**
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- WALKER, W. L.**
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N84-25164
- WALL, R. J.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- WALL, W. A.**
Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- WALL, W. A., JR.**
Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050
Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
Internal flare angle gauge Patent
[NASA-CASE-MF-04415] c 14 N71-24693
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- WALLACE, C. J.**
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- WALLACE, E. D.**
Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
- WALLACE, G. R.**
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- WALLINGFORD, W. M.**
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
- WALLIO, M. A.**
Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
- WALLIS, D. E.**
Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713
- WALLSOM, R. E.**
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
- Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 18 N84-16250
Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- WALSH, J. M.**
Specific wavelength colorimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860
- WALSH, J. V.**
Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- WALSH, M. J.**
Combined nblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
- WALSH, T. C.**
Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
- WALSH, T. J.**
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
- WALSH, T. M.**
Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
- WALTER, H. U.**
Method of crystallization
[NASA-CASE-MFS-23001-1] c 76 N77-32919
- WALTERS, R. M.**
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- WALTON, T. S.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- WANG, D. S.**
Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
- WANG, G. Y.**
A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836
- WANG, T.**
Acoustic particle separation
[NASA-CASE-NPO-155559-1] c 71 N85-30765
- WANG, T. G.**
Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319
Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896
System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
- WANG, W. S.**
Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
- WANGER, R. P.**
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- WARD, D. R.**
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
- WARD, J. F.**
Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
- WARD, J. O.**
Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
- WARD, W. D.**
Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- WARKEITINE, D. K.**
Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605
- WARNECK, P.**
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- WARREN, A. D.**
Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
- WARREN, A. P.**
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
- WARREN, E. L.**
Improved compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N84-22959
- WATERS, W. J.**
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
Nickel base alloy
[NASA-CASE-LEW-12270-1] c 26 N77-32280
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
- WATKINS, V. E., JR.**
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- WATSON, J. D.**
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
- WATSON, J. E.**
High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
- WATSON, N. D.**
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
- WATSON, V. R.**
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- WATTS, D. J.**
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N84-20859
- WAYLAND, H. J.**
Servo-controlled intravitral microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- WEAR, J. D.**
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- WEATHERS, G. D.**
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- WEAVER, L. B.**
Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- WEAVER, W. R.**
Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- WEBB, D. D.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- WEBB, D. L.**
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235
- WEBB, J. A., JR.**
Circuit for detecting initial systole and diastolic notch
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- WEBB, J. B.**
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- WEBBON, B. W.**
Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721

- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- WEBER, G. E.**
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- WEBER, G. J.**
Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- WEBER, L.**
Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- WEBER, R. J.**
Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- WEBSTER, C. R.**
Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 36 N84-15537
- WEBSTER, J. A.**
Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
- WEBSTER, L. D.**
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
Sideloading laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- WEETON, J. W.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- WEIDENHAMER, J. H.**
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- WEIDMAN, D. J.**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- WEIDNER, J. P.**
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- WEIGAND, A. J.**
Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- WEINBERG, I.**
Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N85-20535
- WEINGART, J. M.**
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- WEINSTEIN, L.**
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- WEINSTEIN, L. M.**
Liquid thickness gage
[NASA-CASE-LAR-13342-1] c 35 N85-20297
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- WEINSTEIN, M.**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- WEISS, P. F.**
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- WEISS, S.**
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- WEITZEL, D. F.**
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- WEITZEL, D. H.**
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- WELCH, W. A.**
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
- WELLING, C. E.**
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- WELLMAN, J. B.**
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
- WELLS, A. F.**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- WELLS, B. R.**
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- WELLS, F. E.**
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495
- WELLS, I. D.**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- WELLS, W. H.**
Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
- WELLS, W. L.**
Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
- WENDT, A. J.**
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
- WENZEL, G. E.**
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
- WERNER, E. A.**
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- WESSELSKI, C. J.**
Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450
- WEST, R. L.**
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
- WEST, R. W., JR.**
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
- WESTBROOK, R. M.**
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- WESTER, G. W.**
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
- WESTFALL, L. J.**
Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027
- WESTON, K. C.**
Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
- WESTPHAL, J. A.**
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- WETMORE, J. W.**
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- WETZLER, D. G.**
Thrust-isolating mounting
[NASA-CASE-MFS-21680-1] c 18 N74-27397
- WEYLER, G. M., JR.**
Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
Method of manufacture of bonded fiber flywheel
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- WEZNER, F. S.**
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
- WHEATLEY, D. G.**
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- WHEELER, D. R.**
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- WHEELER, R. K.**
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
- WHEELER, S.**
Wind tunnel microphone structure Patent
[NASA-CASE-XMP-00250] c 11 N71-28779
- WHEELER, S. B.**
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
- WHIFFEN, E. L.**
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- WHIPPLE, D. W.**
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- WHIPPLE, E. C., JR.**
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
- WHIPPLE, R. D.**
Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
- WHISENANT, J. T.**
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- WHITACRE, H. E.**
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
- WHITCOMB, R. T.**
Airfoil shape for flight at subsonic speeds
[NASA-CASE-LAR-10585-1] c 02 N76-22154
- WHITE, A. R.**
Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
- WHITE, E. C.**
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
Lightweight, variable solidity knitted parachute fabric
[NASA-CASE-LAR-10776-1] c 02 N74-10034
- WHITE, E. R.**
Over the wing propeller
[NASA-CASE-LAR-13134-1] c 05 N85-19980
- WHITE, F. A.**
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
- WHITE, J. A.**
Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
- WHITE, M. H.**
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- WHITE, P. R.**
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
Improved fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N85-30286
- WHITE, W. F.**
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245

- WHITE, W. L.**
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200
- WHITE, W. T.**
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
- WHITEHEAD, A. B.**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- WHITEHEAD, C. W.**
Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900
- WHITFIELD, C. E.**
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
- WHITMORE, F. C.**
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
- WHITT, W. D.**
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N84-16531
- WHITTEN, D. E.**
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- WHITTENBERGER, J. D.**
Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- WIBERG, R. E.**
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- WIEBE, E. R.**
Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467
Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Refrigerated coaxial coupling
[NASA-CASE-NPO-13504-1] c 33 N75-30430
Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
Multistation refrigerator system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- WIECH, R. E.**
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
- WIKER, G. A.**
Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- WILEM, R. T.**
Natural turbulence electrical power generator
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- WILEY, F. L.**
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- WILEY, P. H.**
Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- WILGUS, D. S.**
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- WILHELM, H. E.**
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- WILHITE, W. F.**
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- WILKEY, J. W., JR.**
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
- WILKINS, J. R.**
Apparatus for microbiological sampling
[NASA-CASE-LAR-11069-1] c 35 N75-12272
Automatic inoculating apparatus
[NASA-CASE-LAR-11074-1] c 51 N75-13502
Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
- Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
Electrochemical detection device
[NASA-CASE-LAR-11922-1] c 25 N79-24073
Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
Flow through bacteria detection system
[NASA-CASE-LAR-12871-1] c 35 N85-29218
- WILL, H. A.**
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- WILL, R. W.**
Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- WILLIAMS, B. A.**
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- WILLIAMS, D. D.**
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- WILLIAMS, D. N.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- WILLIAMS, E. F.**
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- WILLIAMS, J. G.**
Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
- WILLIAMS, J. J.**
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- WILLIAMS, J. R.**
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
- WILLIAMS, L. A.**
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
- WILLIAMS, L. A., JR.**
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- WILLIAMS, M. D.**
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- WILLIAMS, M. L.**
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- WILLIAMS, R. M.**
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- WILLIAMS, S. R.**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- WILLIAMS, T. E.**
System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- WILLIAMS, W. F.**
System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- WILLIS, A. E.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- WILLNER, K.**
Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
- WILNER, B. M.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- WILSON, A. H.**
Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- WILSON, D. J.**
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- WILSON, E. M.**
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
- WILSON, I. J.**
Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
- WILSON, J. C.**
Exhaust flow deflector
[NASA-CASE-LAR-11570-1] c 34 N76-18364
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- WILSON, L. R.**
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- WILSON, M. E.**
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N85-20868
- WILSON, M. L.**
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
- WILSON, M. N., JR.**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- WILSON, R. E.**
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- WILSON, R. L.**
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- WILSON, T. G.**
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
- WILSON, T. L.**
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- WILSON, W. A.**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- WILSON, W. O.**
Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
- WIMBER, R. T.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- WINBLADE, R. L.**
Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- WING, L. D.**
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- WINGFIELD, G. A.**
Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- WINIARSKI, F. J.**
Wobble gear drive mechanism
[NASA-CASE-WOO-00625] c 37 N78-17385
- WINITZ, M.**
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- WINKELSTEIN, R. A.**
Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- WINKLER, C. E.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752

- WINKLER, H. E.**
Electrophotooxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
Bio-medical flow sensor
[NASA-CASE-MSC-18761-1] c 52 N83-27577
- WINKLER, T.**
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- WINN, L. E.**
Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079
Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- WINTUCKY, E. G.**
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
- WIRTH, M. N.**
Selective data segment monitoring system
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- WISANDER, D. W.**
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
- WISE, R. C.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- WISE, T. E.**
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- WITHEROW, W. K.**
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929
- WITTE, R. S.**
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- WITTMANN, A. E.**
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- WITTRUCK, E. P.**
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460
- WITZKE, W. R.**
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- WOBIG, O. A.**
Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- WOELLER, F. H.**
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- WOJCIECHOWSKI, C. J.**
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MRS-25791-1] c 09 N84-27749
- WOJASINSKI, R. J.**
Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
Electric field measuring and display system
[NASA-CASE-KSC-10731-1] c 33 N74-27862
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- WOLCZOK, J. M.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- WOLF, C. B.**
Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- WOLF, D. A.**
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- WOLF, F. T.**
Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
- WOLFE, J. F.**
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- WOLFF, J. R.**
High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
- WOLLER, J. A.**
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
- WOLOWICZ, C. H.**
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- WOLTHUIS, R. A.**
Contourgraph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225
Apparatus and method for processing Korotkov sounds
[NASA-CASE-MSC-13999-1] c 52 N74-26626
- WOLVERTON, B. C.**
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
- WONG, R. Y.**
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
- WONG, W. J.**
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- WOO, K. E.**
High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- WOO, R. T.**
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- WOOD, A. D.**
Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
- WOOD, C. E.**
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- WOOD, G. E.**
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- WOOD, G. M.**
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
- WOOD, G. M., JR.**
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
- WOOD, G. P.**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- WOOD, J. W.**
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- WOOD, K. E.**
High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- WOOD, L. L.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- WOOD, P. C.**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- WOOD, R. A.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- WOOD, R. C.**
Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
- WOODBURY, R. C.**
Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- WOODGATE, B. E.**
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
- WOODIE, P. E.**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- WOODS, G. J.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-KKS-08012-2] c 31 N71-15566
- WOODS, G. M., JR.**
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- WOODS, J. M.**
Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
- WOOLFSON, M. G.**
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- WOOLLAM, J. A.**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
Atomic hydrogen storage
[NASA-CASE-LEW-12081-2] c 28 N80-20402
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- WORNOM, D. E.**
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
- WORTMAN, J. J.**
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- WRIGHT, D. B.**
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- WRIGHT, D. E.**
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348
- WRIGHT, E. E., JR.**
System for sterilizing objects
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- WRIGHT, L. N.**
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- WRIGHT, W. H.**
Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296

WRINKLE, W. W.

Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123

WU, C.

Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493

WU, V. C.

Apparatus for determining changes in limb volume
[NASA-CASE-MS-C-18759-1] c 52 N83-27578

WUENSCHER, H. F.

Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214
Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195

WUERKER, R. F.

Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
Microbalance
[NASA-CASE-MS-C-11242] c 35 N78-17358

WYBLE, C. W.

Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717

WYDEVEN, T.

Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

WYDEVEN, T. J.

Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Reverse osmosis membrane of high urea rejection properties
[NASA-CASE-ARC-10980-1] c 27 N80-23452
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361

WYDEVEN, T. J., JR.

Method of preparing water purification membranes
[NASA-CASE-ARC-10643-1] c 25 N75-12087

WYLIE, G. M.

Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051

WYMAN, C. L.

Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865

WYNVEEN, R. A.

Iodine generator for reclaimed water purification
[NASA-CASE-MS-C-14632-1] c 54 N78-14784

WYSOCKI, J. J.

Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

Y**YAGER, S. P.**

Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935

YAMAKAWA, K. A.

Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652

YAMAKI, D. A.

Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
[NASA-CASE-LAR-12858-2] c 27 N85-20124

YAMAUCHI, S. T.

Degassifying and mixing apparatus for liquids
[NASA-CASE-MS-C-18936-1] c 35 N83-29652

YANAGITA, H.

Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

YANG, C. Y.

Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344

YANG, L. C.

Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
Underwater seismic source
[NASA-CASE-NPO-14255-1] c 46 N79-23555
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
Method and device for detection of a substance
[NASA-CASE-NPO-14940-1] c 33 N83-31954
Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373

YANG, M. M.

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212

YANG, P. M.

Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465

YARIV, A.

Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305

YASUI, R. K.

Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

YEAGER, P. R.

Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857

YEH, C.

Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553

YEH, Y. C. M.

Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

YEN, S. P. S.

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

YIN, L. I.

Low intensity X-ray and gamma-ray imaging device
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920

Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281

YOSHINO, S. Y.

Bonding or repairing process
[NASA-CASE-MS-C-12357] c 15 N73-12489

YOST, V. H.

Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607

YOST, W. T.

Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

YOUNG, A. L.

Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

YOUNG, D. L.

Fluidized bed coal combustion reactor
[NASA-CASE-ARC-10447-1] c 25 N82-11144

YOUNG, D. R.

Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771

YOUNG, H.

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436

YOUNG, K. M.

High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147

YOUNG, L. R.

Display research collision warning system
[NASA-CASE-HON-10703] c 21 N73-13643
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

YOUNG, R. N.

Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539
Electrochemical detection device
[NASA-CASE-LAR-11922-1] c 25 N79-24073

YOUNG, S. G.

Method of protecting a surface with a silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343] c 26 N83-31795

YOUNG, W. J.

Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993

YOUNG, W. R.

Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

YOUNGBERG, C. L.

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

YOUNGLUTH, O., JR.

Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349

YOUNGHANS, J. L.

Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

YU, I. P.

Multiple band circularly polarized microstrip antenna
[NASA-CASE-MS-C-18334-1] c 32 N80-32604

Z**ZABOWER, H. R.**

Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361

ZAHLAVA, B. A.

Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395

ZAPLATYNSKY, I.

Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944

ZAREMBA, J. G.

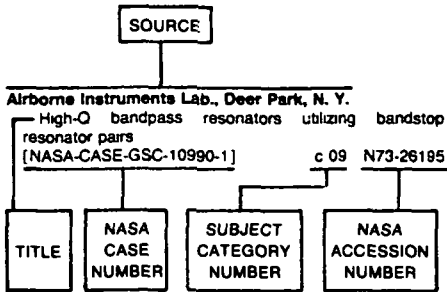
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694

ZARETSKY, E. V.

Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052

- ZAVADA, E. J.**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
- ZAVESKY, R. J.**
Improved heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N84-32425
- ZAVIANTSEFF, V.**
Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464
- ZEANAH, H. W.**
Filtering device
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- ZEBKER, H. A.**
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- ZEBROWSKI, Z. E.**
Altitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
- ZEBUS, P. P.**
Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383
Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
- ZEIGER, R. J.**
Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- ZELLNER, G. J.**
Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- ZEMAN, J. R.**
Lamp modulator
[NASA-CASE-KSC-10565] c 09 N72-25250
- ZERGER, R. S.**
Constant temperature heat sink for calorimeters
Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- ZERLAUT, G. A.**
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Synthesis of zinc titanate pigment and coatings
containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- ZERWEKH, P. S.**
Ultrasonic transducer with Gaussian radial pressure
distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
- ZIEMKE, M. C.**
Constant temperature heat sink for calorimeters
Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- ZIMMERMAN, B. G.**
Sun tracker with rotatable plane-parallel plate and two
photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Passive dual spin misalignment compensators
[NASA-CASE-GSC-11479-1] c 35 N74-28097
- ZIMMERMAN, E. F.**
Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- ZIMMERMAN, J. E.**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- ZIMMERMAN, P. A.**
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- ZIMMERMAN, R. L.**
Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
- ZIOLKOWSKI, A. J.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- ZLATKIS, A.**
Analysis of volatile organic compounds
[NASA-CASE-MSC-14428-1] c 23 N77-17161
- ZMUDA, L. J.**
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- ZMUIDZINAS, J. S.**
Stabilization of He₂(a 3 Sigma u+ molecules in liquid
helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- ZOHAR, S.**
Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
- ZOOK, H. A.**
Meteoroid capture cell construction
[NASA-CASE-MSC-12423-1] c 91 N76-30131
- ZORUMSKI, W. E.**
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
Noise suppressor
[NASA-CASE-LAR-11141-1] c 07 N74-32418
- ZOTTARELLI, L. J.**
Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
Digital memory in which the driving of each word location
is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- ZRUBEK, W. E.**
System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
- ZUCCARO, J. J.**
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- ZUCKERWAR, A. J.**
Instrumentation for measurement of aircraft noise and
sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Instrumentation for measuring aircraft noise and sonic
boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
High-temperature microphone system
[NASA-CASE-LAR-12375-1] c 32 N79-24203
Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
- ZURASKY, J. L.**
Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751
- ZWIENER, J. M.**
Real time reflectometer
[NASA-CASE-MFS-23118-1] c 35 N77-31465
- ZYGIELBAUM, A. I.**
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Numerical computer peripheral interactive device with
manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267

Typical Source Index Listing



Listings in this index are arranged alphabetically by source. The title of the document provides the user with a brief description of the subject matter. The NASA Case Number is the prime access point to patent documents. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. The titles are arranged under each source in ascending accession number order.

A

Adjunct Systems, Inc., Huntsville, Ala.
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768

Aeroflex Labs., Inc., Plainview, N. Y.
Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371

Aerojet-General Corp., El Monte, Calif.
High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147

Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090

Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321

Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605

Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750

Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834

Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346

Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186

Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563

Aerojet-General Corp., Glendale, Calif.
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

Aerojet-General Corp., Sacramento, Calif.
Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212

Aeronautical Research Associates of Princeton, Inc., N. J.
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930

Air Products and Chemicals, Inc., Philadelphia, Pa.
Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225

Airborne Instruments Lab., Deer Park, N. Y.
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26185

AIResearch Mfg. Co., Torrance, Calif.
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345

Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227

Airtronics, Inc., Washington, D.C.
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146

Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950

American Air Filter Co., Inc., St. Louis, Mo.
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457

American Optical Co., Pittsburgh, Pa.
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

American Optical Co., Southbridge, Mass.
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321

American Science and Engineering, Inc., Cambridge, Mass.
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240

Ampex Corp., Redwood City, Calif.
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032

Anocut Engineering Co., Chicago, Ill.
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395

Applied Magnetics Corp., Goleta, Calif.
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

Applied Physics Lab., Johns Hopkins Univ., Laurel, Md.
Open loop digital frequency multiplier
[NASA-CASE-MSC-12709-1] c 33 N77-24375

Applied Physics Lab., Johns Hopkins Univ., Silver Spring, Md.
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245

Applied Space Products, Inc., Palo Alto, Calif.
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469

Army Air Mobility Research and Development Lab., Hampton, Va.
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

Army Aviation Research and Development Command, Moffett Field, Calif.
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496

Army Structures Lab., Hampton, Va.
Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156

ARO, Inc., Arnold Air Force Station, Tenn.
Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

Astro Research Corp., Carpinteria, Calif.
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259

Astro-Space Labs., Inc., Huntsville, Ala.
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752

Athens Coll., Ala.
Apparatus and method for heating a material in a transparent ampoule
[NASA-CASE-MFS-25436-1] c 27 N83-36220

Atlantic Research Corp., Alexandria, Va.
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381

Auburn Research Foundation, Inc., Ala.
Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

Auburn Univ., Ala.
Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790

Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429

Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351

Autonetics, Anaheim, Calif.
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920

Avco Corp., Cincinnati, Ohio.
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

Avco Corp., New York.
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334

Avco Corp., Wilmington, Mass.
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834

B

Baldwin Electronics, Inc., Little Rock, Ark.
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946

Baldwin-Lima-Hamilton Corp., San Francisco, Calif.
Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409

Bail Bros. Research Corp., Boulder, Colo.
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864

Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886

Barnes Engineering Co., Stamford, Conn.
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427

Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088

Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408

Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449

Battelle Columbus Labs., Ohio.
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560

Battelle Memorial Inst., Columbus, Ohio.
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230

Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807

Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095

Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108

Method of making porous conductive supports for electrodes
[NASA-CASE-GSC-11367-1] c 44 N74-19692

Battelle Memorial Inst., Richland, Wash.
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743

Battelle Northwest Labs., Richland, Wash.
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093

Bausch and Lomb, Inc., Rochester, N. Y.
Petzval type objective including field shaping lens
Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
Illumination system including a virtual light source
Patent
[NASA-CASE-HQN-10781] c 23 N71-30292

Baylor Univ., Houston, Tex.
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103

Beckman Instruments, Inc., Anaheim, Calif.
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487

Beckman Instruments, Inc., Fullerton, Calif.
Pulse activated polarographic hydrogen detector
Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
Electronic divider and multiplier using photocells
Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same
Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
Specific wavelength colorimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860

Beckman Instruments, Inc., South Pasadena, Calif.
Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469

Becton, Dickinson and Co., Rutherford, N.J.
Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395

Beech Aircraft Corp., Wichita, Kans.
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882

Bell Aerospace Co., Buffalo, N. Y.
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243

Bell Aerosystems Co., Buffalo, N. Y.
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595

Bell and Howell Co., Chicago, Ill.
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854

Bellcomm, Inc., Washington, D. C.
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706

Bendix Corp., Ann Arbor, Mich.
Circuit breaker utilizing magnetic latching relays
Patent
[NASA-CASE-MSC-11277] c 09 N71-29008

Bendix Corp., Columbia, Md.
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416

Bendix Corp., Davenport, Iowa.
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459

Bendix Corp., Detroit, Mich.
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611

Bendix Corp., Huntsville, Ala.
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421

Bendix Corp., Kennedy Space Center, Fla.
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015

Bendix Corp., Teterboro, N.J.
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483

Bendix Research Labs., Southfield, Mich.
Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850

Bionetics Corp., Hampton, Va.
Small conductive particle sensor
[NASA-CASE-LAR-12552-1] c 35 N82-11431

Boeing Aerospace Co., Houston, Tex.
Fluid sample collection and distribution system
[NASA-CASE-MSC-16841-1] c 34 N79-24285
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067

Boeing Aerospace Co., Seattle, Wash.
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389

Boeing Co., Cocoa Beach, Fla.
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
Variable resistance constant tension and lubrication device
[NASA-CASE-KSC-10723-1] c 37 N75-13265

Boeing Co., Houston, Tex.
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

Boeing Co., Huntsville, Ala.
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

Boeing Co., Pasadena, Tex.
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757

Boeing Co., Seattle, Wash.
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392

Boeing Commercial Airplane Co., Seattle, Wash.
Improved tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N80-18402
Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551

Borden, Inc., New York, N.Y.
Process of treating cellulose membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

Borg-Warner Corp., Chicago, Ill.
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255

Brown and Root-Northrop, Houston, Tex.
Anti-fog composition
[NASA-CASE-MSC-13530-2] c 23 N75-14834

Brown Engineering Co., Inc., Huntsville, Ala.
Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems
Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

C

California Computer Products, Inc., Anaheim.
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958

California Inst. of Tech., Pasadena.
Altitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
Radiative cooler
[NASA-CASE-NPO-15465-1] c 34 N84-22903
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 74 N84-23247

California Univ., Berkeley.
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169

California Univ., Los Angeles.
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416

Catholic Univ. of America, Washington, D.C.
Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109

Chance Vought Corp., Dallas, Tex.
Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874

Christopher Newport Coll., Newport News, Va.
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019

Chrysler Corp., Detroit, Mich.
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051

Chrysler Corp., Huntsville, Ala.
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502

Clemson Univ., S.C.
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237

Collins Radio Co., Cedar Rapids, Iowa.
Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467

Collins Radio Co., Dallas, Tex.
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241

Colorado State Univ., Fort Collins.
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148

Comprehensive Designers, Inc., Sherman Oaks, Calif.
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238

Computer Control Co., Inc., Framingham, Mass.
Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137

Computer Sciences Corp., Falls Church, Va.
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

Computer Sciences Corp., Greenbelt, Md.
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279

Computer Sciences Corp., Mountain View, Calif.
Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

Conrac Corp., Pasadena, Calif.
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

Consolidated Controls Corp., El Segundo, Calif.
Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357

Cornell Univ., Ithaca, N.Y.
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123

Crane Co., Burbank, Calif.
Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028

Curtiss-Wright Corp., Wood-Ridge, N.J.
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330

Cutler-Hammer, Inc., Melville, N.Y.
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

D

Delaware Univ., Newark.
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088

Denver Univ., Colo.
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460

Department of Transportation, Cambridge, Mass.
Optical noise suppression device and method
[NASA-CASE-MSC-12640-1] c 74 N76-31998

Dorne and Margolin, Inc., Bohemia, N.Y.
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

Douglas Aircraft Co., Inc., Santa Monica, Calif.
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959

Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152

Duke Univ., Durham, N.C.
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049

Dumont Electron Tubes, Clifton, N.J.
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206

Dynatherm Corp., Cockeysville, Md.
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307

E

Echo Science Corp., Mountain View, Calif.
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265

Eitel-McCullough, Inc., San Carlos, Calif.
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312

Electrac, Inc., Anaheim, Calif.
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098

Electric Storage Battery Co., Raleigh, N.C.
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693

Electric Storage Battery Co., Yardley, Pa.
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032

Electro-Optical Systems, Inc., Pasadena, Calif.
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483

Electro-Optics Consultants, Inc., Huntsville, Ala.
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639

Electronic Image Systems Corp., Cambridge, Mass.
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489

Essex Corp., Huntsville, Ala.
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

Ewen Knight Corp., East Natick, Mass.
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774

F

Fairchild Hiller Corp., Germantown, Md.
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829

Fairchild Republic Co., Farmingdale, N.Y.
Surface conforming thermal/pressure seal
[NASA-CASE-MSC-18422-1] c 37 N82-16408

Faraday Labs, Inc., La Jolla, Calif.
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260

Federal-Mogul Corp., Los Alamitos, Calif.
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975

Florida Univ., Gainesville.
Safety flywheel
[NASA-CASE-HQN-10888-1] c 44 N79-14527

FMC Corp., New York.
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

Foothill Coll., Los Altos Hills, Calif.
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339

Ford Motor Co., Dearborn, Mich.
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265

G

Garrett Corp., Los Angeles, Calif.
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

Garrett Corp., Torrance, Calif.
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953

GCA Corp., Bedford, Mass.
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461

General Dynamics/Astronautics, San Diego, Calif.
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830

General Dynamics/Convair, San Diego, Calif.
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463

General Dynamics Corp., San Diego, Calif.
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181

General Electric Co., Cincinnati, Ohio.
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

H

- Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- General Electric Co., Cleveland, Ohio.**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- General Electric Co., Philadelphia, Pa.**
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114
- Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
- Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
- Electrophoretic sample insertion
[NASA-CASE-MFS-21395-1] c 25 N74-26948
- Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- Automatic bio waste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- General Electric Co., Pleasanton, Calif.**
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- General Electric Co., Schenectady, N. Y.**
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
- Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
- General Electric Co., Utica, N. Y.**
Method of determining bond quality of power transistors attached to substrates
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- General Motors Corp., Detroit, Mich.**
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- General Motors Corp., Milwaukee, Wis.**
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
- General Motors Corp., Santa Barbara, Calif.**
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- General Precision, Inc., Little Falls, N.J.**
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- General Precision, Inc., Sunnysvale, Calif.**
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- General Precision Systems, Inc., Little Falls, N.J.**
Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- General Technologies Corp., Reston, Va.**
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- Geophysics Corp. of America, Bedford, Mass.**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- Geophysics Corp. of America, Boston, Mass.**
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408
- George Washington Univ., Washington, D.C.**
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- Giannini Scientific Corp., Santa Ana, Calif.**
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- Combination automatic-starting electrical plasma torch and gas shutoff valve
[NASA-CASE-XLE-10717] c 37 N75-29426
- Giner, Inc., Waltham, Mass.**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- Globe-Union, Inc., Milwaukee, Wis.**
Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Goodyear Aerospace Corp., Akron, Ohio.**
Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
- Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
- Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
- Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- Grace (W. R.) and Co., Clarksville, Md.**
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- Grunman Aerospace Corp., Bethpage, N.Y.**
Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N84-32748
- Grunman Aircraft Engineering Corp., Bethpage, N. Y.**
Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
- Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
- Gulf General Atomic, San Diego, Calif.**
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- Gulton Industries, Inc., Albuquerque, N.Mex.**
Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
- Hamilton Standard, Windsor Locks, Conn.**
Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
- Slow opening valve
[NASA-CASE-MSC-20112-1] c 37 N85-20338
- Hamilton Standard Div., United Aircraft Corp., Windsor Locks, Conn.**
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- Harris Corp., Melbourne, Fla.**
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- Telescoping columns
[NASA-CASE-LAR-12195-1] c 31 N81-27324
- Hayes International Corp., Birmingham, Ala.**
Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
- Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- Hayes International Corp., Huntsville, Ala.**
Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
- Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Hazleton Labs., Falls Church, Va.**
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
- Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- HC Chem Research and Service, San Jose, Calif.**
High performance mixed bismide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- Hercules, Inc., Wilmington, Del.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- Hoffman Electronics Corp., El Monte, Calif.**
Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
- Honeywell, Inc., Hopkins, Minn.**
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Honeywell, Inc., Minneapolis, Minn.**
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
- Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470
- High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
- Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
- Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
- Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
- Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095

- Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
- Honeywell, Inc., St. Petersburg, Fla.**
Reconfiguring redundancy management
[NASA-CASE-MSC-14898-1] c 60 N82-29013
- Houston Univ., Tex.**
Analysis of volatile organic compounds
[NASA-CASE-MSC-14428-1] c 23 N77-17161
- Howard Univ., Washington, D. C.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- Hughes Aircraft Co., Culver City, Calif.**
Varactor high level mixer
[NASA-CASE-XGS-02171-1] c 09 N69-24324
Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
Traxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N85-20249
- Hughes Aircraft Co., Los Angeles, Calif.**
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
- Hughes Research Labs., Malibu, Calif.**
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429
- IIT Research Inst., Chicago, Ill.**
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- ILC Technology, Inc., Sunnyvale, Calif.**
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
- Image Information, Inc., Danbury, Conn.**
Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- Inca Engineering Corp., San Gabriel, Calif.**
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Institute for Research, Inc., Houston, Tex.**
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
- Institute of Research and Instrumentation, Houston, Tex.**
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
- International Business Machines Corp., Hopewell Junction, N. Y.**
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- International Business Machines Corp., New York.**
Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
- International Business Machines Corp., Poughkeepsie, N.Y.**
Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- International Harvester Co., San Diego, Calif.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- International Laser Systems, Inc., Orlando, Fla.**
Active lamp pulse driver circuit
[NASA-CASE-GSC-12566-1] c 33 N83-34189
Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- International Latex Corp., Dover, Del.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- Isomet Corp., Paltades Park, N.J.**
Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- ITT Corp., Nutley, N.J.**
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
Satellite interlace synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- J**
- James and Associates, Lancaster, Calif.**
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- Jet Propulsion Lab., California Inst. of Tech., Pasadena.**
Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319
Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929
Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646

Data handling system based on source significance, storage availability and data received from the source Patent Application			Phase-locked loop with sideband rejecting properties Patent			Means for controlling rupture of shock tube diaphragms Patent		
[NASA-CASE-XNP-04162-1]	c 08	N70-34675	[NASA-CASE-XNP-02723]	c 07	N70-41680	[NASA-CASE-XAC-00731]	c 11	N71-15960
Electro-optical scanning apparatus Patent Application			Digital television camera control system Patent			Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent		
[NASA-CASE-NPO-11106]	c 14	N70-34697	[NASA-CASE-XNP-01472]	c 14	N70-41807	[NASA-CASE-XNP-01193]	c 10	N71-16057
Liquid junction and method of fabricating the same Patent Application			Antiflutter ball check valve Patent			Polarimeter for transient measurement Patent		
[NASA-CASE-NPO-10682]	c 15	N70-34699	[NASA-CASE-XNP-01152]	c 15	N70-41811	[NASA-CASE-XNP-08883]	c 23	N71-16101
Helium refining by superfluidity Patent			Roll attitude star sensor system Patent			Flexible composite membrane Patent		
[NASA-CASE-XNP-00733]	c 06	N70-34946	[NASA-CASE-XNP-01307]	c 21	N70-41856	[NASA-CASE-XNP-08837]	c 18	N71-16210
Means and methods of depositing thin films on substrates Patent			Process for preparing sterile solid propellants Patent			Mount for thermal control system Patent		
[NASA-CASE-XNP-00595]	c 15	N70-34967	[NASA-CASE-XNP-01749]	c 27	N70-41897	[NASA-CASE-NPO-10138]	c 33	N71-16357
Photosensitive device to detect bearing deviation Patent			Solenoid construction Patent			Optical characteristics measuring apparatus Patent		
[NASA-CASE-XNP-00438]	c 21	N70-35089	[NASA-CASE-XNP-01951]	c 09	N70-41929	[NASA-CASE-NPO-08840]	c 23	N71-16365
Antenna beam-shaping apparatus Patent			Closed loop ranging system Patent			Parallel plate viscometer Patent		
[NASA-CASE-XNP-00611]	c 09	N70-35219	[NASA-CASE-XNP-01501]	c 21	N70-41930	[NASA-CASE-XNP-09462]	c 14	N71-17584
Temperature-compensating means for cavity resonator of amplifier Patent			Printed circuit board with bellows rivet connection Patent			Means and method of measuring viscoelastic strain Patent		
[NASA-CASE-XNP-00449]	c 14	N70-35220	[NASA-CASE-XNP-05082]	c 15	N70-41960	[NASA-CASE-XNP-01153]	c 32	N71-17645
Parabolic reflector horn feed with spillover correction Patent			Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent			[NASA-CASE-NPO-10320]	c 14	N71-17655
[NASA-CASE-XNP-00540]	c 09	N70-35382	[NASA-CASE-XNP-00911]	c 08	N70-41961	[NASA-CASE-NPO-10300]	c 14	N71-17662
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent			Baseline stabilization system for ionization detector Patent			Electrical spot terminal assembly Patent		
[NASA-CASE-XNP-00708]	c 14	N70-35394	[NASA-CASE-XNP-03128]	c 10	N70-41991	[NASA-CASE-NPO-10034]	c 15	N71-17685
Space vehicle attitude control Patent			Single or joint amplitude distribution analyzer Patent			Sealed separable connection Patent		
[NASA-CASE-XNP-00465]	c 21	N70-35395	[NASA-CASE-XNP-01383]	c 09	N71-10659	[NASA-CASE-NPO-10064]	c 15	N71-17693
Binary to binary-coded-decimal converter Patent			Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent			[NASA-CASE-XNP-08897]	c 15	N71-17694
[NASA-CASE-XNP-00432]	c 08	N70-35423	[NASA-CASE-XNP-03134]	c 07	N71-10676	Microbalance including crystal oscillators for measuring contaminants in a gas system Patent		
Cassegrainian antenna subreflector flange for suppressing ground noise Patent			Method for determining the state of charge of batteries by the use of tracers Patent			[NASA-CASE-NPO-10144]	c 14	N71-17701
[NASA-CASE-XNP-00683]	c 09	N70-35425	[NASA-CASE-XNP-01464]	c 03	N71-10728	Apparatus and method for protecting a photographic device Patent		
Ionization vacuum gauge Patent			High pressure regulator valve Patent			[NASA-CASE-NPO-10174]	c 14	N71-18465
[NASA-CASE-XNP-00646]	c 14	N70-35666	[NASA-CASE-XNP-00710]	c 15	N71-10778	Ranging system Patent		
Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent			Solar battery with interconnecting means for plural cells Patent			[NASA-CASE-NPO-10066]	c 09	N71-18598
[NASA-CASE-XNP-00644]	c 03	N70-36803	[NASA-CASE-XNP-06506]	c 03	N71-11050	High impact pressure regulator Patent		
Mechanical coordinate converter Patent			Sealed battery gas manifold construction Patent			[NASA-CASE-NPO-10175]	c 14	N71-18625
[NASA-CASE-XNP-00614]	c 14	N70-36907	[NASA-CASE-XNP-03378]	c 03	N71-11051	Magnetic core current steering commutator Patent		
High pressure four-way valve Patent			Solar cell submodule Patent			[NASA-CASE-NPO-10201]	c 08	N71-18694
[NASA-CASE-XNP-00214]	c 15	N70-36908	[NASA-CASE-XNP-05821]	c 03	N71-11056	Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent		
Liquid rocket system Patent			Reflectometer for receiver input impedance match measurement Patent			[NASA-CASE-NPO-10373]	c 03	N71-18698
[NASA-CASE-XNP-00610]	c 28	N70-36910	[NASA-CASE-XNP-10830]	c 07	N71-11281	A dc-coupled noninverting one-shot Patent		
Radar ranging receiver Patent			Multi-feed cone Cassegrain antenna Patent			[NASA-CASE-XNP-09450]	c 10	N71-18723
[NASA-CASE-XNP-00748]	c 07	N70-36911	[NASA-CASE-NPO-10539]	c 07	N71-11285	Automatic fault correction system for parallel signal channels Patent		
Attitude control for spacecraft Patent			Thermionic diode switch Patent			[NASA-CASE-NPO-03263]	c 09	N71-18843
[NASA-CASE-XNP-00294]	c 21	N70-36938	[NASA-CASE-NPO-10404]	c 03	N71-12255	Data compression processor Patent		
Elastic universal joint Patent			Anti-backlash circuit for hydraulic drive system Patent			[NASA-CASE-NPO-10068]	c 08	N71-19288
[NASA-CASE-XNP-00416]	c 15	N70-36947	[NASA-CASE-XNP-01020]	c 03	N71-12260	Tape guidance system and apparatus for the provision thereof Patent		
Apparatus and method for control of a solid fueled rocket vehicle Patent			Binary number sorter Patent			[NASA-CASE-XNP-09453]	c 08	N71-19420
[NASA-CASE-XNP-00217]	c 28	N70-38181	[NASA-CASE-NPO-10112]	c 08	N71-12502	High voltage transistor circuit Patent		
Expulsion bladder-equipped storage tank structure Patent			Linear three-tap feedback shift register Patent			[NASA-CASE-XNP-06937]	c 09	N71-19516
[NASA-CASE-XNP-00612]	c 11	N70-38182	[NASA-CASE-NPO-10351]	c 08	N71-12503	Solar cell matrix Patent		
High-voltage cable Patent			Binary sequence detector Patent			[NASA-CASE-NPO-10821]	c 03	N71-19545
[NASA-CASE-XNP-00738]	c 09	N70-38201	[NASA-CASE-XNP-05415]	c 08	N71-12505	Electrical switching device Patent		
Umbilical separator for rockets Patent			Data compression system with a minimum time delay unit Patent			[NASA-CASE-NPO-10037]	c 09	N71-19610
[NASA-CASE-XNP-00425]	c 11	N70-38202	[NASA-CASE-XNP-08832]	c 08	N71-12506	Drift compensation circuit for analog to digital converter Patent		
Multiple Belleville spring assembly Patent			Magnetic counter Patent			[NASA-CASE-XNP-04780]	c 08	N71-19687
[NASA-CASE-XNP-00840]	c 15	N70-38225	[NASA-CASE-XNP-08836]	c 09	N71-12515	Roll-up solar array Patent		
Ignition system for monopropellant combustion devices Patent			Operational integrator Patent			[NASA-CASE-NPO-10188]	c 03	N71-20273
[NASA-CASE-XNP-00249]	c 28	N70-38249	[NASA-CASE-NPO-10230]	c 09	N71-12520	Method and device for determining battery state of charge Patent		
Pressure regulating system Patent			Starting circuit for vapor lamps and the like Patent			[NASA-CASE-NPO-10194]	c 03	N71-20407
[NASA-CASE-XNP-00450]	c 15	N70-38603	[NASA-CASE-XNP-01058]	c 09	N71-12540	Soil particles separator, collector and viewer Patent		
Slit regulated gas journal bearing Patent			Matched thermistors for microwave power meters Patent			[NASA-CASE-XNP-09770]	c 15	N71-20440
[NASA-CASE-XNP-00476]	c 15	N70-38620	[NASA-CASE-NPO-10348]	c 10	N71-12554	Transmission line thermal short Patent		
Steerable solid propellant rocket motor Patent			Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent			[NASA-CASE-XNP-09775]	c 09	N71-20445
[NASA-CASE-XNP-00234]	c 28	N70-38645	[NASA-CASE-XNP-00384]	c 09	N71-13530	Synchronous servo loop control system Patent		
Space simulator Patent			Automatic thermal switch Patent			[NASA-CASE-XNP-03744]	c 10	N71-20448
[NASA-CASE-XNP-00459]	c 11	N70-38675	[NASA-CASE-XNP-03796]	c 23	N71-15467	Processing for producing a sterilized instrument Patent		
Ejection unit Patent			Photoelectric energy spectrometer Patent			[NASA-CASE-XNP-09763]	c 14	N71-20461
[NASA-CASE-XNP-00676]	c 15	N70-38996	[NASA-CASE-XNP-04161]	c 14	N71-15599	Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent		
Time-division multiplexer Patent			Anti-glare improvement for optical imaging systems Patent			[NASA-CASE-XNP-05254]	c 07	N71-20791
[NASA-CASE-XNP-00431]	c 09	N70-38998	[NASA-CASE-NPO-10337]	c 14	N71-15604	Elimination of frequency shift in a multiplex communication system Patent		
Trajectory-correction propulsion system Patent			Fluid flow restrictor Patent			[NASA-CASE-XNP-01306]	c 07	N71-20814
[NASA-CASE-XNP-01104]	c 28	N70-39931	[NASA-CASE-NPO-10117]	c 15	N71-15608	High power-high voltage waterload Patent		
Electrically-operated rotary shutter Patent			High temperature lens construction Patent			[NASA-CASE-XNP-05381]	c 09	N71-20842
[NASA-CASE-XNP-00637]	c 14	N70-40273	[NASA-CASE-XNP-04111]	c 14	N71-15622	Coaxial cable connector Patent		
Zero gravity starting means for liquid propellant motors Patent			Solder flux which leaves corrosion-resistant coating Patent			[NASA-CASE-XNP-04732]	c 09	N71-20851
[NASA-CASE-XNP-01390]	c 28	N70-41275	[NASA-CASE-XNP-03459-2]	c 18	N71-15688	Soldering with solder flux which leaves corrosion resistant coating Patent		
Parallel motion suspension device Patent			Intermittent type silica gel adsorption refrigerator Patent			[NASA-CASE-XNP-03459]	c 15	N71-21078
[NASA-CASE-XNP-01567]	c 15	N70-41310	[NASA-CASE-XNP-00920]	c 15	N71-15906	Miniature stress transducer Patent		
Ignition means for monopropellant Patent			Dual mode horn antenna Patent			[NASA-CASE-NPO-02983]	c 14	N71-21091
[NASA-CASE-XNP-00876]	c 28	N70-41311	[NASA-CASE-XNP-01057]	c 07	N71-15907	Holder for crystal resonators Patent		
Reinforcing means for diaphragms Patent						[NASA-CASE-XNP-03637]	c 15	N71-21311
[NASA-CASE-XNP-01962]	c 32	N70-41370						
High pressure filter Patent								
[NASA-CASE-XNP-00732]	c 28	N70-41447						

Correlation function apparatus Patent [NASA-CASE-XNP-00746]	c 07	N71-21476	Temperature telemetric transmitter Patent [NASA-CASE-NPO-10649]	c 07	N71-24840	Fluid impervious barrier including liquid metal alloy and method of making same Patent [NASA-CASE-XNP-08881]	c 17	N71-28747
Split nut separation system Patent [NASA-CASE-XNP-06914]	c 15	N71-21489	Tuning arrangement for an electron discharge device or the like Patent [NASA-CASE-XNP-09771]	c 09	N71-24841	Wind tunnel microphone structure Patent [NASA-CASE-XNP-00250]	c 11	N71-28779
Light position locating system Patent [NASA-CASE-XNP-01059]	c 23	N71-21821	Noise limiter Patent [NASA-CASE-NPO-10169]	c 10	N71-24844	Trialkyl-dihalotantalum and niobium compounds Patent [NASA-CASE-XNP-04023]	c 06	N71-28808
Electron bombardment ion engine Patent [NASA-CASE-XNP-04124]	c 28	N71-21822	Noninterruptable digital counting system Patent [NASA-CASE-XNP-09759]	c 08	N71-24891	Digital memory sense amplifying means Patent [NASA-CASE-XNP-01012]	c 08	N71-28925
Data compressor Patent [NASA-CASE-XNP-04067]	c 08	N71-22707	Drive circuit for minimizing power consumption in inductive load Patent [NASA-CASE-NPO-10716]	c 09	N71-24892	Digital filter for reducing sampling jitter in digital control systems Patent [NASA-CASE-NPO-11088]	c 08	N71-29034
Error correcting method and apparatus Patent [NASA-CASE-XNP-02748]	c 08	N71-22749	Space simulator Patent [NASA-CASE-NPO-10141]	c 11	N71-24964	Method and apparatus for aligning a laser beam projector Patent [NASA-CASE-NPO-11087]	c 23	N71-29125
Counter and shift register Patent [NASA-CASE-XNP-01753]	c 08	N71-22897	Process for reducing secondary electron emission Patent [NASA-CASE-XNP-09469]	c 24	N71-25555	Rotable accurate reflector system for telescopes Patent [NASA-CASE-NPO-10468]	c 23	N71-33229
Friction measuring apparatus Patent [NASA-CASE-XNP-08680]	c 14	N71-22995	Minimal logic block encoder Patent [NASA-CASE-NPO-10595]	c 10	N71-25917	Encoder/decoder system for a rapidly synchronizable binary code Patent [NASA-CASE-NPO-10342]	c 10	N71-33407
Hybrid lubrication system and bearing Patent [NASA-CASE-XNP-01641]	c 15	N71-22997	Novel polycarboxylic prepolymeric materials and polymers thereof Patent [NASA-CASE-NPO-10596]	c 06	N71-25929	High power microwave power divider Patent [NASA-CASE-NPO-11031]	c 07	N71-33606
Filler valve Patent [NASA-CASE-XNP-01747]	c 15	N71-23024	Current steering switch Patent [NASA-CASE-XNP-08567]	c 09	N71-26000	A dc servosystem including an ac motor Patent [NASA-CASE-NPO-10700]	c 07	N71-33613
Refrigeration apparatus Patent [NASA-CASE-XNP-08877]	c 15	N71-23025	Dual polarity full wave dc motor drive Patent [NASA-CASE-XNP-07477]	c 09	N71-26092	Solar cell matrix [NASA-CASE-NPO-11190]	c 03	N71-34044
Reduced bandwidth video communication system utilizing sampling techniques Patent [NASA-CASE-XNP-02791]	c 07	N71-23026	High impact antenna Patent [NASA-CASE-NPO-10231]	c 07	N71-26101	Manually actuated heat pump [NASA-CASE-NPO-10677]	c 05	N72-11084
Model launcher for wind tunnels Patent [NASA-CASE-XNP-03578]	c 11	N71-23030	Video communication system and apparatus Patent [NASA-CASE-XNP-06611]	c 07	N71-26102	Virtual wall slot circularly polarized planar array antenna [NASA-CASE-NPO-10301]	c 07	N72-11148
Drive circuit utilizing two cores Patent [NASA-CASE-XNP-01318]	c 10	N71-23033	Parallel generation of the check bits of a PN sequence Patent [NASA-CASE-XNP-04623]	c 10	N71-26103	System for controlling the operation of a variable signal device [NASA-CASE-NPO-11064]	c 07	N72-11150
Solar vane actuator Patent [NASA-CASE-XNP-05535]	c 14	N71-23040	Phase multiplying electronic scanning system Patent [NASA-CASE-NPO-10302]	c 10	N71-26142	Method and apparatus for data compression by a decreasing slope threshold test [NASA-CASE-NPO-10769]	c 08	N72-11171
Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent [NASA-CASE-XNP-01056]	c 14	N71-23041	Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent [NASA-CASE-NPO-10625]	c 09	N71-26182	Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test [NASA-CASE-NPO-10778]	c 14	N72-11364
Connector internal force gauge Patent [NASA-CASE-XNP-03918]	c 14	N71-23087	Fluid phase analyzer Patent [NASA-CASE-NPO-10691]	c 14	N71-26199	Vibration isolation system using compression springs [NASA-CASE-NPO-11012]	c 15	N72-11391
Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent [NASA-CASE-XNP-02140]	c 09	N71-23097	Variable frequency nuclear magnetic resonance spectrometer Patent [NASA-CASE-XNP-09830]	c 14	N71-26266	Feed system for an ion thruster [NASA-CASE-NPO-10737]	c 28	N72-11709
Method of resolving clock synchronization error and means therefor Patent [NASA-CASE-XNP-08875]	c 10	N71-23099	Time synchronization system utilizing moon reflected coded signals Patent [NASA-CASE-NPO-10143]	c 10	N71-26326	Thermostatic actuator [NASA-CASE-NPO-10637]	c 15	N72-12409
Impact testing machine Patent [NASA-CASE-XNP-04817]	c 14	N71-23225	Broadband stable power multiplier Patent [NASA-CASE-XNP-10854]	c 10	N71-26331	High voltage transistor amplifier with constant current load [NASA-CASE-NPO-11023]	c 09	N72-17155
Zeta potential flowmeter Patent [NASA-CASE-XNP-06509]	c 14	N71-23226	Cascaded complementary pair broadband transistor amplifiers Patent [NASA-CASE-NPO-10003]	c 10	N71-26415	Reference voltage switching unit [NASA-CASE-NPO-11253]	c 09	N72-17157
Comparator for the comparison of two binary numbers Patent [NASA-CASE-XNP-04819]	c 08	N71-23295	Digital memory in which the driving of each word location is controlled by a switch core Patent [NASA-CASE-XNP-01466]	c 10	N71-26434	Valving device for automatic refilling in cryogenic liquid systems [NASA-CASE-NPO-11177]	c 15	N72-17453
Decontamination of petroleum products Patent [NASA-CASE-XNP-03835]	c 06	N71-23499	Conically shaped cavity radiometer with a dual purpose cone winding Patent [NASA-CASE-NPO-09701]	c 14	N71-26475	Expandable support means [NASA-CASE-NPO-11059]	c 15	N72-17454
Dicyanoacetylene polymers Patent [NASA-CASE-XNP-03250]	c 06	N71-23500	Analog signal integration and reconstruction system Patent [NASA-CASE-NPO-10344]	c 10	N71-26544	Breakaway connector [NASA-CASE-NPO-11140]	c 15	N72-17455
Indexing microwave switch Patent [NASA-CASE-XNP-06507]	c 09	N71-23548	Rapid sync acquisition system Patent [NASA-CASE-NPO-10214]	c 10	N71-26577	Modular encoder [NASA-CASE-NPO-10629]	c 08	N72-18184
Millimeter wave radiometer for radio astronomy Patent [NASA-CASE-XNP-09832]	c 30	N71-23723	Cryogenic cooling system Patent [NASA-CASE-NPO-10467]	c 23	N71-26654	Transition tracking bit synchronization system [NASA-CASE-NPO-10844]	c 07	N72-20140
Radiant energy intensity measurement system Patent [NASA-CASE-XNP-06510]	c 14	N71-23797	Vacuum evaporator with electromagnetic ion steering Patent [NASA-CASE-NPO-10331]	c 09	N71-26701	Data compression system [NASA-CASE-NPO-11243]	c 07	N72-20154
High speed phase detector Patent [NASA-CASE-XNP-01306-2]	c 09	N71-24596	Automated fluid chemical analyzer Patent [NASA-CASE-NPO-09451]	c 06	N71-26754	Digital quasi-exponential function generator [NASA-CASE-NPO-11130]	c 08	N72-20176
Apparatus for testing polymeric materials Patent [NASA-CASE-XNP-09699]	c 06	N71-24607	Material handling device Patent [NASA-CASE-NPO-09770-3]	c 11	N71-27036	Method and apparatus for high resolution spectral analysis [NASA-CASE-NPO-10748]	c 08	N72-20177
Digital synchronizer Patent [NASA-CASE-NPO-10851]	c 07	N71-24613	Pressure seal Patent [NASA-CASE-NPO-10796]	c 15	N71-27068	Flow rate switch [NASA-CASE-NPO-10722]	c 09	N72-20199
Signal processing apparatus for multiplex transmission Patent [NASA-CASE-NPO-10388]	c 07	N71-24622	Multiducted electromagnetic pump Patent [NASA-CASE-NPO-10755]	c 15	N71-27084	Electrical connector [NASA-CASE-NPO-10694]	c 09	N72-20200
Self-testing and repairing computer Patent [NASA-CASE-NPO-10567]	c 08	N71-24633	Peak acceleration limiter for vibrational tester Patent [NASA-CASE-NPO-10556]	c 14	N71-27185	Wide band doubler and sine wave quadrature generator [NASA-CASE-NPO-11133]	c 10	N72-20223
Serial digital decoder Patent [NASA-CASE-NPO-10150]	c 08	N71-24650	Thin film capacitive bolometer and temperature sensor Patent [NASA-CASE-NPO-10607]	c 09	N71-27232	Signal phase estimator [NASA-CASE-NPO-11203]	c 10	N72-20224
Detentling servomotor Patent [NASA-CASE-XNP-06936]	c 15	N71-24695	Black body cavity radiometer Patent [NASA-CASE-NPO-10810]	c 14	N71-27323	Optimal control system for an electric motor driven vehicle [NASA-CASE-NPO-11210]	c 11	N72-20244
Reversible motion drive system Patent [NASA-CASE-NPO-10173]	c 15	N71-24696	Video signal enhancement system with dynamic range compression and modulation index expansion Patent [NASA-CASE-NPO-10343]	c 07	N71-27341	Impact energy absorbing system utilizing fractureable material [NASA-CASE-NPO-10671]	c 15	N72-20443
Decoder system Patent [NASA-CASE-NPO-10118]	c 07	N71-24741	Force-balanced, throttle valve Patent [NASA-CASE-NPO-10808]	c 15	N71-27432	Torsional disconnect unit [NASA-CASE-NPO-10704]	c 15	N72-20445
Television signal processing system Patent [NASA-CASE-NPO-10140]	c 07	N71-24742	Cavity emitter for thermionic converter Patent [NASA-CASE-NPO-10412]	c 09	N71-28421	Solid propellant rocket motor [NASA-CASE-XNP-03282]	c 28	N72-20758
Switching circuit Patent [NASA-CASE-XNP-06505]	c 10	N71-24799	Frictionless universal joint Patent [NASA-CASE-NPO-10646]	c 15	N71-28467	Shell side liquid metal boiler [NASA-CASE-NPO-10831]	c 33	N72-20915
Magnetic power switch Patent [NASA-CASE-NPO-10242]	c 09	N71-24803	Epoxy-aziridine polymer product Patent [NASA-CASE-NPO-10701]	c 06	N71-28620	Method and apparatus for mapping planets [NASA-CASE-NPO-11001]	c 07	N72-21118
Remodulator filter Patent [NASA-CASE-NPO-10198]	c 09	N71-24806				Current steering commutator [NASA-CASE-NPO-10743]	c 08	N72-21199
Broadband microwave waveguide window Patent [NASA-CASE-XNP-08880]	c 09	N71-24808						
Cavity radiometer Patent [NASA-CASE-XNP-08961]	c 14	N71-24809						
High-gain, broadband traveling wave maser Patent [NASA-CASE-NPO-10548]	c 16	N71-24831						
Fluid containers and resealable septum therefor Patent [NASA-CASE-NPO-10123]	c 15	N71-24835						

Automated equipotential plotter [NASA-CASE-NPO-11134]	c 09	N72-21246	Digital slope threshold data compressor [NASA-CASE-NPO-11630]	c 08	N72-33172	Filter for third order phase locked loops [NASA-CASE-NPO-11941-1]	c 10	N73-27171
Pressure transducer [NASA-CASE-NPO-10832]	c 14	N72-21405	Continuously variable voltage controlled phase shifter [NASA-CASE-NPO-11129]	c 09	N72-33204	Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier [NASA-CASE-NPO-11593-1]	c 07	N73-28012
Positioning mechanism [NASA-CASE-NPO-10679]	c 15	N72-21462	Pseudonoise sequence generators with three tap linear feedback shift registers [NASA-CASE-NPO-11406]	c 08	N73-12175	Analog-to-digital converter [NASA-CASE-NXP-00477]	c 08	N73-28045
Solid state matrices [NASA-CASE-NPO-10591]	c 03	N72-22041	Versatile arithmetic unit for high speed sequential decoder [NASA-CASE-NPO-11371]	c 08	N73-12177	Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator [NASA-CASE-NXP-03623]	c 09	N73-28084
Solar cell panels with light transmitting plate [NASA-CASE-NPO-10747]	c 03	N72-22042	Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1]	c 09	N73-12214	Apparatus and method for measuring the Seebeck coefficient and resistivity of materials [NASA-CASE-NPO-11749]	c 14	N73-28486
Data multiplexer using tree switching configuration [NASA-CASE-NPO-11333]	c 08	N72-22162	Audio system with means for reducing noise effects [NASA-CASE-NPO-11631]	c 10	N73-12244	Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer [NASA-CASE-NXP-05231]	c 14	N73-28491
System for quantizing graphic displays [NASA-CASE-NPO-10745]	c 08	N72-22164	Interferometer-polarimeter [NASA-CASE-NPO-11239]	c 14	N73-12446	Continuous magnetic flux pump [NASA-CASE-NXP-01187]	c 15	N73-28516
Digital function generator [NASA-CASE-NPO-11104]	c 08	N72-22165	Irradiance measuring device [NASA-CASE-NPO-11493]	c 14	N73-12447	Preparation of alkali metal dispersions [NASA-CASE-NXP-08876]	c 17	N73-28573
Analog-to-digital converter analyzing system [NASA-CASE-NPO-10560]	c 08	N72-22166	Program for computer aided reliability estimation [NASA-CASE-NPO-13086-1]	c 15	N73-12495	Superconductive magnetic-field-trapping device [NASA-CASE-NXP-01185]	c 26	N73-28710
Feedback shift register with states decomposed into cycles of equal length [NASA-CASE-NPO-11082]	c 08	N72-22167	Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system [NASA-CASE-NPO-11302-1]	c 07	N73-13149	Automatic carrier acquisition system [NASA-CASE-NPO-11628-1]	c 07	N73-30113
Self-obturing, gas operated launcher [NASA-CASE-NPO-11013]	c 11	N72-22247	Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards [NASA-CASE-NPO-11418-1]	c 14	N73-13420	Ferrofluidic solenoid [NASA-CASE-NPO-11738-1]	c 09	N73-30185
Optical binocular scanning apparatus [NASA-CASE-NPO-11002]	c 14	N72-22441	Gas flow control device [NASA-CASE-NPO-11479]	c 15	N73-13462	Silent emergency alarm system for schools and the like [NASA-CASE-NPO-11307-1]	c 10	N73-30205
Ionene membrane separator [NASA-CASE-NPO-11091]	c 18	N72-22567	Electrolytic gas operated actuator [NASA-CASE-NPO-11369]	c 15	N73-13467	RF-source resistance meters [NASA-CASE-NPO-11291-1]	c 14	N73-30388
Deployable solar cell array [NASA-CASE-NPO-10883]	c 31	N72-22874	Dual purpose momentum wheels for spacecraft with magnetic recording [NASA-CASE-NPO-11481]	c 21	N73-13644	Event sequence detector [NASA-CASE-NPO-11703-1]	c 10	N73-32144
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation [NASA-CASE-NPO-11388]	c 03	N72-23048	Multiple reflection conical microwave antenna [NASA-CASE-NPO-11661]	c 07	N73-14130	Soil penetrometer [NASA-CASE-NXP-05530]	c 14	N73-32321
Optical frequency waveguide and transmission system [NASA-CASE-HQN-10541-3]	c 23	N72-23695	Cyclically operable optical shutter [NASA-CASE-NPO-10758]	c 14	N73-14427	Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions [NASA-CASE-NXP-04231]	c 14	N73-32325
Bipropellant injector [NASA-CASE-NXP-09461]	c 28	N72-23809	Heat detection and compositions and devices therefor [NASA-CASE-NPO-10764-1]	c 14	N73-14428	Magnetic-flux pump [NASA-CASE-NXP-01188]	c 15	N73-32361
Solid propellant rocket motor nozzle [NASA-CASE-NPO-11458]	c 28	N72-23810	Parallel-plate viscometer with double diaphragm suspension [NASA-CASE-NPO-11387]	c 14	N73-14429	Burrowing apparatus [NASA-CASE-NXP-07169]	c 15	N73-32362
Analysis of hydrogen-deuterium mixtures [NASA-CASE-NPO-11322]	c 06	N72-25146	Rotary actuator [NASA-CASE-NPO-10680]	c 31	N73-14855	Electrostatically controlled heat shutter [NASA-CASE-NPO-11942-1]	c 33	N73-32818
Flexible computer accessed telemetry [NASA-CASE-NPO-11358]	c 07	N72-25172	Magnetically actuated tuning method for Gunn oscillators [NASA-CASE-NPO-12106]	c 09	N73-15235	Method and apparatus for a single channel digital communications system [NASA-CASE-NPO-11302-2]	c 32	N74-10132
Multi-purpose antenna employing dish reflector with plural coaxial horn feeds [NASA-CASE-NPO-11264]	c 07	N72-25174	Multichannel telemetry system [NASA-CASE-NPO-11572]	c 07	N73-16121	Controlled oscillator system with a time dependent output frequency [NASA-CASE-NPO-11962-1]	c 33	N74-10194
Communications link for computers [NASA-CASE-NPO-11161]	c 08	N72-25207	Data-aided carrier tracking loops [NASA-CASE-NPO-11282]	c 10	N73-16205	Low loss dichroic plate [NASA-CASE-NPO-13171-1]	c 32	N74-11000
Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier [NASA-CASE-NPO-11338]	c 08	N72-25208	Stacked solar cell arrays [NASA-CASE-NPO-11771]	c 03	N73-20040	Image data rate converter having a drum with a fixed head and a rotatable head [NASA-CASE-NPO-11659-1]	c 35	N74-11283
Binary coded sequential acquisition ranging system [NASA-CASE-NPO-11194]	c 08	N72-25209	A m-ary linear feedback shift register with binary logic [NASA-CASE-NPO-11868]	c 10	N73-20254	Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver [NASA-CASE-NPO-11919-1]	c 35	N74-11284
MOD 2 sequential function generator for multibit binary sequence [NASA-CASE-NPO-10636]	c 08	N72-25210	Apparatus for recovering matter adhered to a host surface [NASA-CASE-NPO-11213]	c 15	N73-20514	Digital second-order phase-locked loop [NASA-CASE-NPO-11905-1]	c 33	N74-12887
Digital video display system using cathode ray tube [NASA-CASE-NPO-11342]	c 09	N72-25248	Scan converting video tape recorder [NASA-CASE-NPO-10166-1]	c 07	N73-22076	Automatic vehicle location system [NASA-CASE-NPO-11850-1]	c 32	N74-12912
Inverter oscillator with voltage feedback [NASA-CASE-NPO-10760]	c 09	N72-25254	Collapsible structure for an antenna reflector [NASA-CASE-NPO-11751]	c 07	N73-24176	Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control [NASA-CASE-NPO-11317-2]	c 36	N74-13205
Thermal motor [NASA-CASE-NPO-11283]	c 09	N72-25260	Pump for delivering heated fluids [NASA-CASE-NPO-11417]	c 15	N73-24513	Use of thin film light detector [NASA-CASE-NPO-11432-2]	c 35	N74-15090
Two phase flow system with discrete impinging two-phase jets [NASA-CASE-NPO-11556]	c 12	N72-25292	Ion thruster with a combination keeper electrode and electron baffle [NASA-CASE-NPO-11880]	c 28	N73-24783	Temperature compensated digital inertial sensor [NASA-CASE-NPO-13044-1]	c 35	N74-15094
Atmospheric sampling devices [NASA-CASE-NPO-11373]	c 13	N72-25323	Solid propellant rocket motor [NASA-CASE-NPO-11559]	c 28	N73-24784	Compact hydrogenator [NASA-CASE-NPO-11682-1]	c 35	N74-15127
Light sensor [NASA-CASE-NPO-11311]	c 14	N72-25414	Code regenerative clean-up loop transponder for a mu-type ranging system [NASA-CASE-NPO-11707]	c 07	N73-25161	Short range laser obstacle detector [NASA-CASE-NPO-11856-1]	c 36	N74-15145
Quick disconnect coupling [NASA-CASE-NPO-11202]	c 15	N72-25450	Numerical computer peripheral interactive device with manual controls [NASA-CASE-NPO-11497]	c 08	N73-25206	System for stabilizing cable phase delay utilizing a coaxial cable under pressure [NASA-CASE-NPO-13138-1]	c 33	N74-17927
Coaxial injector for reaction motors [NASA-CASE-NPO-11095]	c 15	N72-25455	Radiant source tracker independent of nonconstant irradiance [NASA-CASE-NPO-11686]	c 14	N73-25462	Storage battery comprising negative plates of a wedge shaped configuration [NASA-CASE-NPO-11806-1]	c 44	N74-19693
Ball screw linear actuator [NASA-CASE-NPO-11222]	c 15	N72-25456	Two carrier communication system with single transmitter [NASA-CASE-NPO-11548]	c 07	N73-26118	Gated compressor, distortionless signal limiter [NASA-CASE-NPO-11820-1]	c 32	N74-19788
Helium refrigerator and method for decontaminating the refrigerator [NASA-CASE-NPO-10634]	c 23	N72-25619	High pulse rate high resolution optical radar system [NASA-CASE-NPO-11426]	c 07	N73-26119	Apparatus for scanning the surface of a cylindrical body [NASA-CASE-NPO-11861-1]	c 36	N74-20009
Uninsulated in-core thermionic diode [NASA-CASE-NPO-10542]	c 09	N72-27228	Counting digital filters [NASA-CASE-NPO-11821-1]	c 08	N73-26175	Decision feedback loop for tracking a polyphase modulated carrier [NASA-CASE-NPO-13103-1]	c 32	N74-20811
Audio frequency marker system [NASA-CASE-NPO-11147]	c 14	N72-27408	Automated attendance accounting system [NASA-CASE-NPO-11456]	c 08	N73-26176	Optically actuated two position mechanical mover [NASA-CASE-NPO-13105-1]	c 37	N74-21060
Light direction sensor [NASA-CASE-NPO-11201]	c 14	N72-27409	Low phase noise digital frequency divider [NASA-CASE-NPO-11569]	c 10	N73-26229	Thin film gauge [NASA-CASE-NPO-10617-1]	c 35	N74-22095
Adjustable support [NASA-CASE-NPO-10721]	c 15	N72-27484	Vehicle for use in planetary exploration [NASA-CASE-NPO-11366]	c 11	N73-26238	High isolation RF signal selection switches [NASA-CASE-NPO-13081-1]	c 33	N74-22814
Method for controlling vapor content of a gas [NASA-CASE-NPO-10633]	c 03	N72-28025	Temperature control system with a pulse width modulated bridge [NASA-CASE-NPO-11304]	c 14	N73-26430			
Maser for frequencies in the 7-20 GHz range [NASA-CASE-NPO-11437]	c 16	N72-28521	Disconnect unit [NASA-CASE-NPO-11330]	c 33	N73-26958			
Thin film temperature sensor and method of making same [NASA-CASE-NPO-11775]	c 26	N72-28761						
Circularly polarized antenna [NASA-CASE-ERC-10214]	c 09	N72-31235						
Singly-curved reflector for use in high-gain antennas [NASA-CASE-NPO-11361]	c 07	N72-32169						

Single reflector interference spectrometer and drive system therefor [NASA-CASE-NPO-11932-1]	c 35	N74-23040	Strain gage mounting assembly [NASA-CASE-NPO-13170-1]	c 35	N76-14430	Ion and electron detector for use in an ICR spectrometer [NASA-CASE-NPO-13479-1]	c 35	N77-10492
Scanning nozzle plating system [NASA-CASE-NPO-11758-1]	c 31	N74-23065	Thermostatically controlled non-tracking type solar energy concentrator [NASA-CASE-NPO-13497-1]	c 44	N76-14602	Hydrogen-rich gas generator [NASA-CASE-NPO-13560-1]	c 44	N77-10636
Rock sampling [NASA-CASE-XNP-10007-1]	c 46	N74-23068	Multi-computer multiple data path hardware exchange system [NASA-CASE-NPO-13422-1]	c 60	N76-14818	Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel [NASA-CASE-NPO-13545-1]	c 32	N77-12240
Rock sampling [NASA-CASE-XNP-09755]	c 46	N74-23069	Cermet composition and method of fabrication [NASA-CASE-NPO-13120-1]	c 27	N76-15311	Computer interface system [NASA-CASE-NPO-13428-1]	c 60	N77-12721
Miniature multichannel biotelemetry system [NASA-CASE-NPO-13065-1]	c 52	N74-26625	Dichroic plate [NASA-CASE-NPO-13506-1]	c 35	N76-15435	High temperature oxidation resistant cermet compositions [NASA-CASE-NPO-13666-1]	c 27	N77-13217
Dispensing targets for ion beam particle generators [NASA-CASE-NPO-13112-1]	c 73	N74-26767	Magnetometer using superconducting rotating body [NASA-CASE-NPO-13388-1]	c 35	N76-16390	Frequency discriminator and phase detector circuit [NASA-CASE-NPO-11515-1]	c 33	N77-13315
Optically detonated explosive device [NASA-CASE-NPO-11743-1]	c 28	N74-27425	Scan converting video tape recorder [NASA-CASE-NPO-10166-2]	c 35	N76-16391	Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump [NASA-CASE-NPO-13663-1]	c 35	N77-14406
Coherent receiver employing nonlinear coherence detection for carrier tracking [NASA-CASE-NPO-11921-1]	c 32	N74-30523	Hydrogen rich gas generator [NASA-CASE-NPO-13342-1]	c 37	N76-16446	Thermocouple installation [NASA-CASE-NPO-13540-1]	c 35	N77-14409
Digital servo control of random sound test excitation [NASA-CASE-NPO-11623-1]	c 71	N74-31148	Automated system for identifying traces of organic chemical compounds in aqueous solutions [NASA-CASE-NPO-13063-1]	c 25	N76-18245	Method and apparatus for background signal reduction in opto-acoustic absorption measurement [NASA-CASE-NPO-13683-1]	c 35	N77-14411
Apparatus for forming drive belts [NASA-CASE-NPO-13205-1]	c 31	N74-32917	Analog to digital converter [NASA-CASE-NPO-13385-1]	c 33	N76-18345	Nuclear thermionic converter [NASA-CASE-NPO-13121-1]	c 73	N77-18891
Tool for use in lifting pin supported objects [NASA-CASE-NPO-13157-1]	c 37	N74-32918	Sampler of gas borne particles [NASA-CASE-NPO-13396-1]	c 35	N76-18401	Multiple rate digital command detection system with range clean-up capability [NASA-CASE-NPO-13753-1]	c 32	N77-20289
Preparing oxidizer coated metal fuel particles [NASA-CASE-NPO-11975-1]	c 28	N74-33209	Stark-effect modulation of CO ₂ laser with NH ₂ D [NASA-CASE-NPO-11945-1]	c 36	N76-18427	Charge storage diode modulators and demodulators [NASA-CASE-NPO-10189-1]	c 33	N77-21314
Geneva mechanism [NASA-CASE-NPO-13281-1]	c 37	N75-13266	Diffused waveguiding capillary tube with distributed feedback for a gas laser [NASA-CASE-NPO-13544-1]	c 36	N76-18428	Compact, high intensity arc lamp with internal magnetic field producing means [NASA-CASE-NPO-11510-1]	c 33	N77-21315
Method of producing a storage bulb for an atomic hydrogen maser [NASA-CASE-NPO-13050-1]	c 36	N75-15029	System for minimizing internal combustion engine pollution emission [NASA-CASE-NPO-13402-1]	c 37	N76-18457	Depressurization of arc lamps [NASA-CASE-NPO-10790-1]	c 33	N77-21316
Combined pressure regulator and shutoff valve [NASA-CASE-NPO-13201-1]	c 37	N75-15050	Hydrogen-bromine secondary battery. [NASA-CASE-NPO-13237-1]	c 44	N76-18641	Electromagnetic transducer recording head having a laminated core section and tapered gap [NASA-CASE-NPO-10711-1]	c 35	N77-21392
Simultaneous acquisition of tracking data from two stations [NASA-CASE-NPO-13292-1]	c 32	N75-15854	Hydrogen-rich gas generator [NASA-CASE-NPO-13464-1]	c 44	N76-18642	Cryogenic liquid sensor [NASA-CASE-NPO-10619-1]	c 35	N77-21393
Shock absorbing mount for electrical components [NASA-CASE-NPO-13253-1]	c 37	N75-18573	Zinc-halide battery with molten electrolyte [NASA-CASE-NPO-11961-1]	c 44	N76-18643	Uniform variable light source [NASA-CASE-NPO-11429-1]	c 74	N77-21941
System for generating timing and control signals [NASA-CASE-NPO-13125-1]	c 33	N75-19519	Priority interrupt system [NASA-CASE-NPO-13067-1]	c 60	N76-18800	Arc control in compact arc lamps [NASA-CASE-NPO-10870-1]	c 33	N77-22386
Motor run-up system [NASA-CASE-NPO-13374-1]	c 33	N75-19524	Miniature muscle displacement transducer [NASA-CASE-NPO-13519-1]	c 33	N76-19338	Hydraulic drain means for servo-systems [NASA-CASE-NPO-10316-1]	c 37	N77-22479
Deep trap, laser activated image converting system [NASA-CASE-NPO-13131-1]	c 36	N75-19652	Zero torque gear head wrench [NASA-CASE-NPO-13059-1]	c 37	N76-20480	Automated multi-level vehicle parking system [NASA-CASE-NPO-13058-1]	c 37	N77-22480
Multitarget sequential sputtering apparatus [NASA-CASE-NPO-13345-1]	c 37	N75-19684	Method and apparatus for measurement of trap density and energy distribution in dielectric films [NASA-CASE-NPO-13443-1]	c 76	N76-20994	Sun direction detection system [NASA-CASE-NPO-13722-1]	c 74	N77-22951
Wide angle sun sensor [NASA-CASE-NPO-13327-1]	c 35	N75-23910	Indicator providing continuous indication of the presence of a specific pollutant in air [NASA-CASE-NPO-13474-1]	c 45	N76-21742	Isotope separation using metallic vapor lasers [NASA-CASE-NPO-13550-1]	c 36	N77-26477
Material suspension within an acoustically excited resonant chamber [NASA-CASE-NPO-13263-1]	c 12	N75-24774	Shared memory for a fault-tolerant computer [NASA-CASE-NPO-13139-1]	c 60	N76-21914	Distributed feedback acoustic surface wave oscillator [NASA-CASE-NPO-13673-1]	c 71	N77-26919
Heat operated cryogenic electrical generator [NASA-CASE-NPO-13303-1]	c 20	N75-24837	Wind sensor [NASA-CASE-NPO-13462-1]	c 35	N76-24524	Penetrometer [NASA-CASE-NPO-11103-1]	c 35	N77-27367
System for interference signal nulling by polarization adjustment [NASA-CASE-NPO-13140-1]	c 32	N75-24982	Fiber distributed feedback laser [NASA-CASE-NPO-13531-1]	c 36	N76-24553	Lightweight reflector assembly [NASA-CASE-NPO-13707-1]	c 74	N77-28933
Heat detection and compositions and devices therefor [NASA-CASE-NPO-10764-2]	c 35	N75-25122	Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback [NASA-CASE-NPO-13346-1]	c 36	N76-29575	Aldehyde-containing urea-absorbing polysaccharides [NASA-CASE-NPO-13620-1]	c 27	N77-30236
Servo-controlled intravital microscope system [NASA-CASE-NPO-13214-1]	c 35	N75-25123	Stirling cycle engine and refrigeration systems [NASA-CASE-NPO-13613-1]	c 37	N76-29590	Phase substitution of spare converter for a failed one of parallel phase staggered converters [NASA-CASE-NPO-13812-1]	c 33	N77-30365
Vehicle locating system utilizing AM broadcasting station carriers [NASA-CASE-NPO-13217-1]	c 32	N75-26194	Hydrogen rich gas generator [NASA-CASE-NPO-13342-2]	c 44	N76-29700	Oil and fat absorbing polymers [NASA-CASE-NPO-11609-2]	c 27	N77-31308
Asynchronous, multiplexing, single line transmission and recovery data system [NASA-CASE-NPO-13321-1]	c 32	N75-26195	Solar-powered pump [NASA-CASE-NPO-13567-1]	c 44	N76-29701	Combustion engine [NASA-CASE-NPO-13671-1]	c 37	N77-31497
Fluorescence detector for monitoring atmospheric pollutants [NASA-CASE-NPO-13231-1]	c 45	N75-27585	Hydrogen rich gas generator [NASA-CASE-NPO-13464-2]	c 44	N76-29704	Apparatus for photon excited catalysis [NASA-CASE-NPO-13566-1]	c 25	N77-32255
Cooperative multi-axis sensor for teleoperation of article manipulating apparatus [NASA-CASE-NPO-13386-1]	c 54	N75-27758	Myocardium wall thickness transducer and measuring method [NASA-CASE-NPO-13644-1]	c 52	N76-29895	Charge-coupled device data processor for an airborne imaging radar system [NASA-CASE-NPO-13587-1]	c 32	N77-32342
Heat sterilizable patient ventilator [NASA-CASE-NPO-13313-1]	c 54	N75-27761	Catheter tip force transducer for cardiovascular research [NASA-CASE-NPO-13643-1]	c 52	N76-29896	Direct reading inductance meter [NASA-CASE-NPO-13792-1]	c 35	N77-32455
Refrigerated coaxial coupling [NASA-CASE-NPO-13504-1]	c 33	N75-30430	Real time analysis of voiced sounds [NASA-CASE-NPO-13465-1]	c 32	N76-31372	Solar photolysis of water [NASA-CASE-NPO-13675-1]	c 44	N77-32580
Electric power generation system directory from laser power [NASA-CASE-NPO-13308-1]	c 36	N75-30524	High resolution Fourier interferometer-spectrophotopolarimeter [NASA-CASE-NPO-13604-1]	c 35	N76-31490	Low to high temperature energy conversion system [NASA-CASE-NPO-13510-1]	c 44	N77-32581
Subminiature insertable force transducer [NASA-CASE-NPO-13423-1]	c 33	N75-31329	Reflected-wave maser [NASA-CASE-NPO-13490-1]	c 36	N76-31512	Solar energy collection system [NASA-CASE-NPO-13810-1]	c 44	N77-32582
Symmetrical odd-modulus frequency divider [NASA-CASE-NPO-13426-1]	c 33	N75-31330	Method of making hollow elastomeric bodies [NASA-CASE-NPO-13535-1]	c 37	N76-31524	Three-dimensional tracking solar energy concentrator and method for making same [NASA-CASE-NPO-13736-1]	c 44	N77-32583
Stored charge transistor [NASA-CASE-NPO-11156-2]	c 33	N75-31331	Solar cell grid patterns [NASA-CASE-NPO-13087-2]	c 44	N76-31666	Overload protection system for power inverter [NASA-CASE-NPO-13872-1]	c 33	N78-10377
Doped Josephson tunneling junction for use in a sensitive IR detector [NASA-CASE-NPO-13348-1]	c 33	N75-31332	Furlable antenna [NASA-CASE-NPO-13553-1]	c 33	N76-32457	Photoelectron spectrometer with means for stabilizing sample surface potential [NASA-CASE-NPO-13772-1]	c 35	N78-10429
Acoustically controlled distributed feedback laser [NASA-CASE-NPO-13175-1]	c 36	N75-31427	Annular arc accelerator shock tube [NASA-CASE-NPO-13528-1]	c 09	N77-10071	Machine for use in monitoring fatigue life for a plurality of elastomeric specimens [NASA-CASE-NPO-13731-1]	c 39	N78-10493
Inert gas metallic vapor laser [NASA-CASE-NPO-13449-1]	c 36	N75-32441	Cryostat system for temperatures on the order of 2 deg K or less [NASA-CASE-NPO-13459-1]	c 31	N77-10229	Portable linear-focused solar thermal energy collecting system [NASA-CASE-NPO-13734-1]	c 44	N78-10554
Helium refrigerator [NASA-CASE-NPO-13435-1]	c 31	N76-14284	The dc-to-dc converters employing staggered-phase power switches with two-loop control [NASA-CASE-NPO-13512-1]	c 33	N77-10428			

Acoustic energy shaping [NASA-CASE-NPO-13802-1]	c 71	N78-10837	Dual membrane hollow fiber fuel cell and method of operating same [NASA-CASE-NPO-13732-1]	c 44	N79-10513	Phase conjugation method and apparatus for an active retrodirective antenna array [NASA-CASE-NPO-13641-1]	c 32	N79-24210
High voltage, high current Schottky barrier solar cell [NASA-CASE-NPO-13482-1]	c 44	N78-13526	Combuster [NASA-CASE-NPO-13958-1]	c 25	N79-11151	Module failure isolation circuit for paralleled inverters [NASA-CASE-NPO-14000-1]	c 33	N79-24254
Durable antistatic coating for polymethylmethacrylate [NASA-CASE-NPO-13867-1]	c 27	N78-14164	Surfactant-assisted liquefaction of particulate carbonaceous substances [NASA-CASE-NPO-13904-1]	c 25	N79-11152	Circuit for automatic load sharing in parallel converter modules [NASA-CASE-NPO-14056-1]	c 33	N79-24257
Ultra stable frequency distribution system [NASA-CASE-NPO-13836-1]	c 32	N78-15323	Electroexplosive device [NASA-CASE-NPO-13858-1]	c 28	N79-11231	Bonding machine for forming a solar array strip [NASA-CASE-NPO-13652-2]	c 44	N79-24431
Selective image area control of X-ray film exposure density [NASA-CASE-NPO-13808-1]	c 35	N78-15461	Space-charge-limited solid-state triode [NASA-CASE-NPO-13064-1]	c 33	N79-11314	Primary reflector for solar energy collection systems and method of making same [NASA-CASE-NPO-13579-3]	c 44	N79-24432
Motion restraining device [NASA-CASE-NPO-13619-1]	c 37	N78-16369	Plasma igniter for internal combustion engine [NASA-CASE-NPO-13828-1]	c 37	N79-11405	Solar energy collection system [NASA-CASE-NPO-13579-2]	c 44	N79-24433
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof [NASA-CASE-NPO-10557]	c 27	N78-17214	Non-tracking solar energy collector system [NASA-CASE-NPO-13817-1]	c 44	N79-11471	Compact artificial hand [NASA-CASE-NPO-13906-1]	c 54	N79-24652
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement [NASA-CASE-NPO-13764-1]	c 27	N78-17215	Method of controlling defect orientation in silicon crystal ribbon growth [NASA-CASE-NPO-13918-1]	c 76	N79-11920	Double-sided solar cell package [NASA-CASE-NPO-14199-1]	c 44	N79-25482
Purging means and method for Xenon arc lamps [NASA-CASE-NPO-11978]	c 31	N78-17238	Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells [NASA-CASE-NPO-14100-1]	c 44	N79-12541	Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means [NASA-CASE-NPO-13910-1]	c 52	N79-27836
Pressure transducer [NASA-CASE-NPO-11150]	c 35	N78-17359	Automated clinical system for chromosome analysis [NASA-CASE-NPO-13913-1]	c 52	N79-12694	Chemical vapor deposition reactor [NASA-CASE-NPO-13650-1]	c 25	N79-28253
Cross correlation anomaly detection system [NASA-CASE-NPO-13283]	c 38	N78-17395	Conical scan tracking system employing a large antenna [NASA-CASE-NPO-14009-1]	c 32	N79-13214	High performance ammonium nitrate propellant [NASA-CASE-NPO-14260-1]	c 28	N79-28342
Automatic visual inspection system for microelectronics [NASA-CASE-NPO-13282]	c 38	N78-17396	Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6 [NASA-CASE-NPO-13993-1]	c 72	N79-13826	Biocontamination and particulate detection system [NASA-CASE-NPO-13953-1]	c 35	N79-28527
Low cost solar energy collection system [NASA-CASE-NPO-13579-1]	c 44	N78-17460	High temperature resistant cermet and ceramic compositions [NASA-CASE-NPO-13690-2]	c 27	N79-14213	Multi-channel rotating optical interface for data transmission [NASA-CASE-NPO-14066-1]	c 74	N79-34011
Differential optoacoustic absorption detector [NASA-CASE-NPO-13759-1]	c 74	N78-17867	Inhibited solid propellant composition containing beryllium hydride [NASA-CASE-NPO-10866-1]	c 28	N79-14228	Start up system for hydrogen generator used with an internal combustion engine [NASA-CASE-NPO-13849-1]	c 28	N80-10374
Interferometer mirror tilt correcting system [NASA-CASE-NPO-13687-1]	c 35	N78-18391	Digital demodulator-correlator [NASA-CASE-NPO-13982-1]	c 32	N79-14267	System for detecting substructure microfractures and method therefore [NASA-CASE-NPO-14192-1]	c 39	N80-10507
Over-under double-pass interferometer [NASA-CASE-NPO-13999-1]	c 35	N78-18395	Azimuth correlator for real-time synthetic aperture radar image processing [NASA-CASE-NPO-14019-1]	c 32	N79-14268	Borehole geological assessment [NASA-CASE-NPO-14231-1]	c 46	N80-10709
Independent gain and bandwidth control of a traveling wave maser [NASA-CASE-NPO-13801-1]	c 36	N78-18410	Apparatus for providing a servo drive signal in a high-speed stepping interferometer [NASA-CASE-NPO-13569-2]	c 35	N79-14348	Electromagnetic power absorber [NASA-CASE-NPO-13830-1]	c 32	N80-14281
High temperature resistant cermet and ceramic compositions [NASA-CASE-NPO-13690-1]	c 27	N78-19302	High-torque open-end wrench [NASA-CASE-NPO-13541-1]	c 37	N79-14383	Multiple anode arc lamp system [NASA-CASE-NPO-10857-1]	c 33	N80-14330
Underground mineral extraction [NASA-CASE-NPO-14140-1]	c 31	N78-24387	Sun tracking solar energy collector [NASA-CASE-NPO-13921-1]	c 44	N79-14526	Method for analyzing radiation sensitivity of integrated circuits [NASA-CASE-NPO-14350-1]	c 33	N80-14332
Thin conformal antenna array for microwave power conversions [NASA-CASE-NPO-13886-1]	c 32	N78-24391	Primary reflector for solar energy collection systems [NASA-CASE-NPO-13579-4]	c 44	N79-14529	Method for forming a solar array strip [NASA-CASE-NPO-13652-3]	c 44	N80-14474
Multistation refrigeration system [NASA-CASE-NPO-13839-1]	c 31	N78-25256	Gas diffusion liquid storage bag and method of use for storing blood [NASA-CASE-NPO-13930-1]	c 52	N79-14749	Ozonation of cooling tower waters [NASA-CASE-NPO-14340-1]	c 45	N80-14579
Swept group delay measurement [NASA-CASE-NPO-13909-1]	c 33	N78-25319	Coupling apparatus for ultrasonic medical diagnostic system [NASA-CASE-NPO-13935-1]	c 52	N79-14751	System for real-time crystal deformation monitoring [NASA-CASE-NPO-14124-1]	c 46	N80-14603
Polymeric electrolytic hygrometer [NASA-CASE-NPO-13948-1]	c 35	N78-25391	Thermomagnetic recording and magnetic-optic playback system [NASA-CASE-NPO-10872-1]	c 35	N79-16246	Dialysis system [NASA-CASE-NPO-14101-1]	c 52	N80-14687
Charge transfer reaction laser with preionization means [NASA-CASE-NPO-13945-1]	c 36	N78-27402	Manganese bismuth films with narrow transfer characteristics for Cune-point switching [NASA-CASE-NPO-11336-1]	c 76	N79-16678	High resolution threshold photoelectron spectroscopy by electron attachment [NASA-CASE-NPO-14078-1]	c 72	N80-14877
RF beam center location method and apparatus for power transmission system [NASA-CASE-NPO-13821-1]	c 44	N78-28594	CCD correlated quadruple sampling processor [NASA-CASE-NPO-14426-1]	c 33	N79-17134	Strong thin membrane structure [NASA-CASE-NPO-14021-2]	c 27	N80-16163
Control for nuclear thermionic power source [NASA-CASE-NPO-13114-2]	c 73	N78-28913	Multispectral imaging and analysis system [NASA-CASE-NPO-13691-1]	c 43	N79-17288	Antenna feed system for receiving circular polarization and transmitting linear polarization [NASA-CASE-NPO-14362-1]	c 32	N80-16261
Magneto-optic detection system with noise cancellation [NASA-CASE-NPO-11954-1]	c 35	N78-29421	Solar array strip and a method for forming the same [NASA-CASE-NPO-13652-1]	c 44	N79-17314	High-speed data link for moderate distances and noisy environments [NASA-CASE-NPO-14152-1]	c 32	N80-18252
Nitramine propellants [NASA-CASE-NPO-14103-1]	c 28	N78-31255	Process for purification of waste water produced by a Kraft process pulp and paper mill [NASA-CASE-NPO-13847-2]	c 85	N79-17747	Radio frequency arraying method for receivers [NASA-CASE-NPO-14328-1]	c 32	N80-18253
Reflex feed system for dual frequency antenna with frequency cutoff means [NASA-CASE-NPO-14022-1]	c 32	N78-31321	Thermal energy transformer [NASA-CASE-NPO-14058-1]	c 44	N79-18443	High power RF coaxial switch [NASA-CASE-NPO-14229-1]	c 33	N80-18285
Solar pond [NASA-CASE-NPO-13581-2]	c 44	N78-31525	Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-1]	c 32	N79-19195	Microwave power transmission beam safety system [NASA-CASE-NPO-14224-1]	c 33	N80-18287
Non-tracking solar energy collector system [NASA-CASE-NPO-13813-1]	c 44	N78-31526	Method and turbine for extracting kinetic energy from a stream of two-phase fluid [NASA-CASE-NPO-14130-1]	c 34	N79-20335	Viscosity measuring instrument [NASA-CASE-NPO-14501-1]	c 35	N80-18357
Coal desulfurization process [NASA-CASE-NPO-13937-1]	c 44	N78-31527	Terminal guidance sensor system [NASA-CASE-NPO-14521-1]	c 54	N79-20746	Frequency-scanning particle size spectrometer [NASA-CASE-NPO-13606-2]	c 35	N80-18364
Solid propellant motor [NASA-CASE-NPO-11458A]	c 20	N78-32179	Digital data reformatter/desensitizer [NASA-CASE-NPO-13676-1]	c 60	N79-20751	Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures [NASA-CASE-NPO-14254-1]	c 36	N80-18372
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil [NASA-CASE-NPO-08835-1]	c 27	N78-33228	Acoustic driving of rotor [NASA-CASE-NPO-14005-1]	c 71	N79-20827	Driver for solar cell I-V characteristic plots [NASA-CASE-NPO-14096-1]	c 44	N80-18551
Hydrogen-fueled engine [NASA-CASE-NPO-13763-1]	c 44	N78-33526	System and method for obtaining wide screen Schlieren photographs [NASA-CASE-NPO-14174-1]	c 74	N79-20856	Method and means for helium/hydrogen ratio measurement by alpha scattering [NASA-CASE-NPO-14079-1]	c 25	N80-20334
Plural output optometric sample cell and analysis system [NASA-CASE-NPO-10233-1]	c 74	N78-33913	Seismic vibration source [NASA-CASE-NPO-14112-1]	c 46	N79-22679	Satellite personal communications system [NASA-CASE-NPO-14480-1]	c 32	N80-20448
Portable electrophoresis apparatus using minimum electrolyte [NASA-CASE-NPO-13274-1]	c 25	N79-10163	Underwater seismic source [NASA-CASE-NPO-14255-1]	c 46	N79-23555	Velocity servo for continuous scan Fourier interference spectrometer [NASA-CASE-NPO-14093-1]	c 35	N80-20563
Automatic communication signal monitoring system [NASA-CASE-NPO-13941-1]	c 32	N79-10262	Resolution enhanced sound detecting apparatus [NASA-CASE-NPO-14134-1]	c 71	N79-23753	Portable heatable container [NASA-CASE-NPO-14237-1]	c 44	N80-20808
Surface roughness measuring system [NASA-CASE-NPO-13862-1]	c 35	N79-10391				Dual band combiner for horn antenna [NASA-CASE-NPO-14519-1]	c 32	N80-23524
Vehicular impact absorption system [NASA-CASE-NPO-14014-1]	c 37	N79-10420				Passive intrusion detection system [NASA-CASE-NPO-13804-1]	c 33	N80-23559

Method and apparatus for Doppler frequency modulation of radiation [NASA-CASE-NPO-14524-1]	c 32	N80-24510	Multifunctional transducer [NASA-CASE-NPO-14329-1]	c 52	N81-20703	Solid electrolyte cell [NASA-CASE-NPO-15269-1]	c 44	N82-29710
Method of mitigating titanium impurities effects in p-type silicon material for solar cells [NASA-CASE-NPO-14635-1]	c 44	N80-24741	Polymenc compositions and their method of manufacture [NASA-CASE-NPO-10424-1]	c 27	N81-24258	Electromigration process for the purification of molten silicon during crystal growth [NASA-CASE-NPO-14831-1]	c 76	N82-30105
Geological assessment probe [NASA-CASE-NPO-14558-1]	c 46	N80-24906	Low current linearization of magnetic amplifier for dc transducer [NASA-CASE-NPO-14617-1]	c 33	N81-24338	Low noise lead screw positioner [NASA-CASE-NPO-15617-1]	c 35	N82-33681
Cooled echelle grating spectrometer [NASA-CASE-NPO-14372-1]	c 35	N80-26635	Stark effect spectrophone for continuous absorption spectra monitoring [NASA-CASE-NPO-15102-1]	c 25	N81-25159	CAT altitude avoidance system [NASA-CASE-NPO-15351-1]	c 06	N83-10040
Simultaneous muscle force and displacement transducer [NASA-CASE-NPO-14212-1]	c 52	N80-27072	Hot gas engine with dual crankshafts [NASA-CASE-NPO-14221-1]	c 37	N81-25370	Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser [NASA-CASE-NPO-15021-1]	c 36	N83-10417
Miniature cyclotron resonance ion source using small permanent magnet [NASA-CASE-NPO-14324-1]	c 72	N80-27163	Sandblasting nozzle [NASA-CASE-NPO-13823-1]	c 37	N81-25371	Thermal reactor [NASA-CASE-NPO-14369-1]	c 44	N83-10501
Silicone containing solid propellant [NASA-CASE-NPO-14477-1]	c 28	N80-28536	Photomechanical transducer [NASA-CASE-NPO-14363-1]	c 39	N81-25400	Submillimeter wave Schottky barrier diode with low series resistance and low noise [NASA-CASE-NPO-15935-1]	c 33	N83-12334
System for slicing silicon wafers [NASA-CASE-NPO-14406-1]	c 37	N80-29703	Underground mineral extraction [NASA-CASE-NPO-14140-1]	c 43	N81-26509	Integrated optics in an electrically scanned imaging Fourier transform spectrometer [NASA-CASE-NPO-15844-1]	c 74	N83-12992
Induced junction solar cell and method of fabrication [NASA-CASE-NPO-13786-1]	c 44	N80-29835	CCD correlated quadruple sampling processor [NASA-CASE-NPO-14426-1]	c 33	N81-27396	Enhancement of in vitro guayule propagation [NASA-CASE-NPO-15213-1]	c 51	N83-17045
Interferometric locating system [NASA-CASE-NPO-14173-1]	c 04	N80-32359	Terminal guidance sensor system [NASA-CASE-NPO-14521-1]	c 37	N81-27519	Servo-mechanism for Doppler shift compensation in optical correlator for synthetic aperture radar [NASA-CASE-NPO-14998-1]	c 32	N83-18975
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same [NASA-CASE-NPO-13137-1]	c 27	N80-32514	Medical diagnosis system and method with multispectral imaging [NASA-CASE-NPO-14402-1]	c 52	N81-27783	Synchronized voltage contrast display analysis system [NASA-CASE-NPO-14567-1]	c 33	N83-18996
Prepolymer dianhydrides [NASA-CASE-NPO-13899-1]	c 27	N80-32515	High-speed multiplexing of keyboard data inputs [NASA-CASE-NPO-14554-1]	c 60	N81-27814	Broadband optical radiation detector [US-PATENT-4,262,198]	c 74	N83-19597
System for plotting subsoil structure and method therefor [NASA-CASE-NPO-14191-1]	c 31	N80-32584	Coal desulfurization [NASA-CASE-NPO-14272-1]	c 25	N81-33246	Combustion engine system [NASA-CASE-NPO-14565-2]	c 25	N83-19826
Support assembly for cryogenically coolable low-noise choke waveguide [NASA-CASE-NPO-14253-1]	c 32	N80-32605	Method and apparatus for producing concentric hollow spheres [NASA-CASE-NPO-14596-1]	c 31	N81-33319	Production of ultrapure amorphous metals utilizing acoustic cooling [NASA-CASE-NPO-15658-1]	c 26	N83-19890
Stark cell optoacoustic detection of constituent gases in sample [NASA-CASE-NPO-14143-1]	c 25	N81-14015	Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress [NASA-CASE-NPO-14316-1]	c 33	N81-33404	Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent [NASA-CASE-NPO-14857-1]	c 27	N83-19900
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer [NASA-CASE-NPO-14001-1]	c 27	N81-14076	Optical gyroscope system [NASA-CASE-NPO-14258-1]	c 35	N81-33448	Thin wire pointing method [NASA-CASE-NPO-15789-1]	c 31	N83-19947
Frequency translating phase conjugation circuit for active retrodirective antenna array [NASA-CASE-NPO-14536-1]	c 32	N81-14185	Head for high speed spinner having a vacuum chuck [NASA-CASE-NPO-15227-1]	c 37	N81-33482	Clutter free synthetic aperture radar correlator [NASA-CASE-NPO-14035-1]	c 32	N83-19968
Precise RF timing signal distribution to remote stations [NASA-CASE-NPO-14749-1]	c 32	N81-14186	Fluidized bed coal combustion reactor [NASA-CASE-NPO-14273-1]	c 25	N82-11144	Articulated joint for deployable structures [NASA-CASE-NPO-16038-1]	c 37	N83-20157
Base drive for paralleled inverter systems [NASA-CASE-NPO-14163-1]	c 33	N81-14220	Scriber for silicon wafers [NASA-CASE-NPO-15539-1]	c 37	N82-11469	Method and apparatus for contour mapping using synthetic aperture radar [NASA-CASE-NPO-15939-1]	c 43	N83-20324
Low cost cryostat [NASA-CASE-NPO-14513-1]	c 35	N81-14287	Sewage sludge additive [NASA-CASE-NPO-13877-1]	c 45	N82-11634	Controlled in situ etch-back [NASA-CASE-NPO-15625-1]	c 76	N83-20789
Power control for hot gas engines [NASA-CASE-NPO-14220-1]	c 37	N81-14318	Real-time multiple-look synthetic aperture radar processor for spacecraft applications [NASA-CASE-NPO-14054-1]	c 32	N82-12297	Method of making macrocrystalline or single crystal semiconductive material and products produced thereby [NASA-CASE-NPO-15904-1]	c 76	N83-21993
Viscoelastic cationic polymers containing the urethane linkage [NASA-CASE-NPO-10830-1]	c 27	N81-15104	Microwave limb sounder [NASA-CASE-NPO-14544-1]	c 46	N82-12685	Stabilized lanthanum sulphur compounds [NASA-CASE-NPO-16135-1]	c 25	N83-24572
Continuous coal processing method [NASA-CASE-NPO-13758-2]	c 31	N81-15154	Faraday rotation measurement method and apparatus [NASA-CASE-NPO-14839-1]	c 35	N82-15381	Mobile sampler for use in acquiring samples of terrestrial atmospheric gases [NASA-CASE-NPO-15220-1]	c 45	N83-25217
An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data [NASA-CASE-NPO-14998-1]	c 33	N81-15194	Solar heated fluidized bed gasification system [NASA-CASE-NPO-15071-1]	c 44	N82-16475	System and method for moving a probe to follow movements of tissue [NASA-CASE-NPO-15197-1]	c 52	N83-25346
Speed control device for a heavy duty shaft [NASA-CASE-NPO-14170-1]	c 37	N81-15364	Method for shaping and aiming narrow beams [NASA-CASE-NPO-14632-1]	c 32	N82-18443	Waveguide cooling system [NASA-CASE-NPO-15401-1]	c 32	N83-27085
Redundant operation of counter modules [NASA-CASE-NPO-14162-1]	c 60	N81-15706	Fiber optic transmission line stabilization apparatus and method [NASA-CASE-NPO-15036-1]	c 74	N82-19029	Particle analyzing method and apparatus [NASA-CASE-NPO-15292-1]	c 35	N83-27184
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith [NASA-CASE-NPO-13530-1]	c 25	N81-17187	Suspension system for a wheel rolling on a flat track [NASA-CASE-NPO-14395-1]	c 37	N82-21587	X-ray imaging mirror system and method of producing the same [NASA-CASE-NPO-15828-1]	c 74	N83-30222
Molten salt pyrolysis of latex [NASA-CASE-NPO-14315-1]	c 27	N81-17261	Echo tracker/range finder for radars and sonars [NASA-CASE-NPO-14361-1]	c 32	N82-23376	Hydrodesulfurization of chlorinized coal [NASA-CASE-NPO-15304-1]	c 25	N83-31743
Phase-angle controller for Stirling engines [NASA-CASE-NPO-14388-1]	c 37	N81-17432	Constant magnification optical tracking system [NASA-CASE-NPO-14813-1]	c 74	N82-24072	Method and apparatus for producing gas-filled hollow spheres [NASA-CASE-NPO-14596-3]	c 31	N83-31896
Solar energy receiver for a Stirling engine [NASA-CASE-NPO-14619-1]	c 44	N81-17518	Pulse switching for high energy lasers [NASA-CASE-NPO-14556-1]	c 33	N82-24418	Cycling Joule Thomson refrigerator [NASA-CASE-NPO-15251-1]	c 31	N83-31897
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object [NASA-CASE-NPO-14219-1]	c 74	N81-17886	Hermetic seal for a shaft [NASA-CASE-NPO-15115-1]	c 37	N82-24493	Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-2]	c 32	N83-31918
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect [NASA-CASE-NPO-14657-1]	c 74	N81-17887	Instrumentation for sensing moisture content of material using a transient thermal pulse [NASA-CASE-NPO-15494-1]	c 35	N82-25484	Method and device for detection of a substance [NASA-CASE-NPO-14940-1]	c 33	N83-31954
Interferometer [NASA-CASE-NPO-14502-1]	c 74	N81-17888	Automotive absorption air conditioner utilizing solar and motor waste heat [NASA-CASE-NPO-15183-1]	c 44	N82-26776	System for monitoring physical characteristics of fluids [NASA-CASE-NPO-15400-1]	c 34	N83-31993
Ion-exchange hollow fibers [NASA-CASE-NPO-13309-1]	c 25	N81-19244	Efficiency of silicon solar cells containing chromium [NASA-CASE-NPO-15179-1]	c 44	N82-26777	Cloud cover sensor [NASA-CASE-NPO-14936-1]	c 47	N83-32232
Elimination of current spikes in buck power converters [NASA-CASE-NPO-14505-1]	c 33	N81-19393	Acoustic levitation methods and apparatus [NASA-CASE-NPO-15562-1]	c 71	N82-27086	Distributed multipoint memory architecture [NASA-CASE-NPO-15342-1]	c 60	N83-32342
Copper doped polycrystalline silicon solar cell [NASA-CASE-NPO-14670-1]	c 44	N81-19558	Thermochemical generation of hydrogen [NASA-CASE-NPO-15015-1]	c 25	N82-28368	Acoustic system for material transport [NASA-CASE-NPO-15453-1]	c 71	N83-32515
System and method for character recognition [NASA-CASE-NPO-11337-1]	c 74	N81-19896	Method of forming frozen spheres in a force-free drop tower [NASA-CASE-NPO-14845-1]	c 27	N82-28442	System for controlled acoustic rotation of objects [NASA-CASE-NPO-15522-1]	c 71	N83-32516
X-ray position detector [NASA-CASE-NPO-12087-1]	c 74	N81-19898	High power metallic halide laser [NASA-CASE-NPO-14782-1]	c 36	N82-28616	Mixed polyvalent-monovalent metal coating for carbon-graphite fibers [NASA-CASE-NPO-14987-1]	c 24	N83-33950
Controller for computer control of brushless dc motors [NASA-CASE-NPO-13970-1]	c 33	N81-20352	Method of fabricating Schottky Barrier solar cell [NASA-CASE-NPO-13689-4]	c 44	N82-28780	Antenna groud replacement system [NASA-CASE-NPO-15202-1]	c 27	N83-34043
			Coal desulfurization by aqueous chlorination [NASA-CASE-NPO-14902-1]	c 25	N82-29371	Sphere forming method and apparatus [NASA-CASE-NPO-15070-1]	c 31	N83-35176
			Control means for a solid state crossbar switch [NASA-CASE-NPO-15066-1]	c 33	N82-29538			
			Coherently pulsed laser source [NASA-CASE-NPO-15111-1]	c 36	N82-29589			

- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N83-36485
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 36 N84-12463
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Discharge cell for optical galvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 36 N84-15537
- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] c 71 N84-16948
- Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N84-25164
- Nanosequencer digital logic controller
[NASA-CASE-NPO-16116-1] c 60 N84-25306
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- Synchronization tracking in pulse position modulation receiver
[NASA-CASE-NPO-16256-1] c 32 N84-32620
- Solar-heated oil shale retort
[NASA-CASE-NPO-16392-1] c 44 N84-32912
- Low loss splicing method for single-mode optical fiber
[NASA-CASE-NPO-16294-1] c 74 N84-33179
- FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N84-33211
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N85-20250
- Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-16337-1] c 33 N85-20251
- Reed-Solomon decoder
[NASA-CASE-NPO-15982-1] c 60 N85-20680
- Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- Improved silicon grinding method and apparatus
[NASA-CASE-NPO-16336-1-CU] c 31 N85-21407
- Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
- Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- Ten degree Kelvin hydride refrigerator
[NASA-CASE-NPO-16393-1-CU] c 31 N85-29084
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
- Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- Method for ultrasonic bonding to soft microelectronic substrates
[NASA-CASE-NPO-16087-1] c 33 N85-29151
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1-CU] c 35 N85-29219
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- Magnetically switched power supply systems for lasers
[NASA-CASE-NPO-16402-1] c 36 N85-29265
- Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- Improvements in tank tread assemblies
[NASA-CASE-NPO-16321-1] c 37 N85-29291
- Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
- Generation of intense negative ion beams
[NASA-CASE-NPO-16061-1-CU] c 72 N85-29701
- Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
- Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
- Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
- Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N85-30779
- Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
- Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253

K

Kelsey-Hayes Co., Romulus, Mich.

Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802

Keltco Industries, Inc., Alexandria, Va.

Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979

Kentucky Univ., Lexington.

Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578

Kinologic Corp., Pasadena, Calif.

Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329

Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420

Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710

Kollsman Instrument Corp., Elmhurst, N. Y.

Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857

Kollsman Instrument Corp., Syosset, N. Y.

Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138

Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393

Konigsberg Instruments, Inc., Pasadena, Calif.

Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347

Korad Corp., New York.

Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400

L

Life Systems, Inc., Beachwood, Ohio.
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784

Ling-Temco-Vought, Inc., Dallas, Tex.
Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897

Little (Arthur D.), Inc., Cambridge, Mass.
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-1] c 27 N82-16238
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484

Litton Industries, Beverly Hills, Calif.
Life support system
[NASA-CASE-MSC-12411-1] c 05 N72-20096

Litton Industries, College Park, Md.
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087

Litton Industries, San Carlos, Calif.
Very high intensity light source using a cathode ray tube
[NASA-CASE-XNP-01296] c 33 N75-27250

Litton Systems, Inc., Minneapolis, Minn.
Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376

Lockheed Aircraft Corp., Burbank, Calif.
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679

Lockheed-California Co., Burbank.
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
Multistage aerospace craft
[NASA-CASE-XMF-02263] c 05 N74-10907

Lockheed Electronics Co., Houston, Tex.
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479
Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604

Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583

Lockheed Missiles and Space Co., Huntsville, Ala.
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MRS-25791-1] c 09 N84-27749

Lockheed Missiles and Space Co., Sunnyvale, Calif.
Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
Solar energy powered heliostats
[NASA-CASE-GSC-10945-1] c 21 N72-31637
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
Whole body measurement systems
[NASA-CASE-MSC-13972-1] c 52 N74-10975
Four phase logic systems
[NASA-CASE-MSC-14240-1] c 33 N75-14957
Strain arrestor plate for fused silica tile
[NASA-CASE-MSC-14182-1] c 27 N76-14264
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MSC-14831-1] c 25 N78-10225
Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

Lockheed Propulsion Co., Redlands, Calif.
Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534

LTV Aerospace Corp., Dallas, Tex.
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455

LTV Aerospace Corp., Hampton, Va.
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

M

Macon-Rust Co., Lexington, Ky.
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

Marlin-Rockwell Corp., Jamestown, N. Y.
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446

Marquardt Corp., Van Nuys, Calif.
Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058
Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132

Martin Marietta Aerospace, Bethesda, Md.
Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N85-29290

Martin Marietta Aerospace, Denver, Colo.
Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Urine collection apparatus
[NASA-CASE-MSC-18381-1] c 52 N81-28740
Measurement amplifier
[NASA-CASE-MFS-25868-1] c 33 N84-32680

Martin Marietta Corp., Baltimore, Md.
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199

Martin Marietta Corp., Denver, Colo.
Flexible/ngridifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230
Low distortion automatic phase control circuit
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375
Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N78-27750
Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389

Maryland Univ., College Park.
Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722

Massachusetts Inst. of Tech., Cambridge.
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143
Vapor deposition apparatus
[NASA-CASE-HQN-10462] c 25 N75-29192
Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504

MB Associates, San Ramon, Calif.
Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084

McDonnell Aircraft Co., St. Louis, Mo.
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

McDonnell-Douglas Astronautics Co., Huntington Beach, Calif.
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374

McDonnell-Douglas Astronautics Co., Santa Monica, Calif.
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251

Method of polymerizing perfluorobutadiene Patent application
 [NASA-CASE-NPO-10447] c 06 N70-11252

McDonnell-Douglas Astronautics Co., St. Louis, Mo.
 Passive propellant system
 [NASA-CASE-MFS-23642-2] c 20 N78-27176

McDonnell-Douglas Corp., Huntington Beach, Calif.
 Variable direction force coupler
 [NASA-CASE-MFS-20317] c 15 N73-13463

Potable water dispenser
 [NASA-CASE-MFS-21115-1] c 54 N74-12779

Metering gun for dispensing precisely measured charges of fluid
 [NASA-CASE-MFS-21163-1] c 54 N74-17853

Airlock
 [NASA-CASE-MFS-20922-1] c 18 N74-22136

Device for monitoring a change in mass in varying gravimetric environments
 [NASA-CASE-MFS-21556-1] c 35 N74-26945

Thrust-isolating mounting
 [NASA-CASE-MFS-21680-1] c 18 N74-27397

Device for measuring tensile forces
 [NASA-CASE-MFS-21728-1] c 35 N74-27865

Flame detector operable in presence of proton radiation
 [NASA-CASE-MFS-21577-1] c 19 N74-29410

Phase-locked servo system
 [NASA-CASE-MFS-22073-1] c 33 N75-13139

Vacuum leak detector
 [NASA-CASE-LAR-11237-1] c 35 N75-19612

Meter for use in detecting tension in straps having predetermined elastic characteristics
 [NASA-CASE-MFS-22189-1] c 35 N75-19615

Latching device
 [NASA-CASE-MFS-21606-1] c 37 N75-19685

Device for use in loading tension members
 [NASA-CASE-MFS-21488-1] c 14 N75-24794

McDonnell-Douglas Corp., Long Beach, Calif.
 Optimized bolted joint
 [NASA-CASE-LAR-13250-1] c 37 N84-20859

McDonnell-Douglas Corp., Newport Beach, Calif.
 Method of making membranes
 [NASA-CASE-XNP-04264] c 03 N69-21337

McDonnell-Douglas Corp., Santa Monica, Calif.
 Rocket nozzle test method Patent
 [NASA-CASE-NPO-10311] c 31 N71-15643

Reaction of fluonite with polyperfluoropolylenes
 [NASA-CASE-NPO-10862] c 06 N72-22107

Polymers of perfluorobutadiene and method of manufacture
 [NASA-CASE-NPO-10863-2] c 06 N72-25152

Electrolytic cell structure
 [NASA-CASE-LAR-11042-1] c 33 N75-27252

Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions
 [NASA-CASE-NPO-12122-1] c 24 N76-14203

Utilization of oxygen difluoride for syntheses of fluoropolymers
 [NASA-CASE-NPO-12061-1] c 27 N76-16228

McDonnell-Douglas Corp., St. Louis, Mo.
 Thermally conductive polymers
 [NASA-CASE-GSC-11304-1] c 06 N72-21105

Passive propellant system
 [NASA-CASE-MFS-23642-1] c 20 N80-10278

Method of preparing radially homogeneous mercury cadmium telluride crystals
 [NASA-CASE-MFS-25786-1] c 76 N83-18533

Medical Sciences Research Foundation, San Francisco, Calif.
 Reduction of blood serum cholesterol
 [NASA-CASE-NPO-12119-1] c 52 N75-15270

Mellon Inst., Pittsburgh, Pa.
 Instrument for measuring torsional creep and recovery Patent
 [NASA-CASE-XLE-01481] c 14 N71-10781

Melpar, Inc., Falls Church, Va.
 Television simulation for aircraft and space flight Patent
 [NASA-CASE-XFR-03107] c 09 N71-19449

Compact solar still Patent
 [NASA-CASE-XMS-04533] c 15 N71-23086

Metcom, Inc., Salem, Mass.
 Tuning arrangement for an electron discharge device or the like Patent
 [NASA-CASE-XNP-09771] c 09 N71-24841

Methodist Hospital, Houston, Tex.
 Snap-in compressible biomedical electrode
 [NASA-CASE-MSC-14623-1] c 52 N77-28717

Microwave Electronics Corp., Palo Alto, Calif.
 Folded traveling wave maser structure Patent
 [NASA-CASE-XNP-05219] c 16 N71-15550

Superconducting magnet Patent
 [NASA-CASE-XNP-06503] c 23 N71-29049

Microwave Research Corp., North Andover, Mass.
 Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
 [NASA-CASE-NPO-13568-1] c 32 N76-21365

Multifrequency broadband polarized horn antenna
 [NASA-CASE-NPO-14588-1] c 32 N81-25278

Midwest Research Inst., Kansas City, Mo.
 Preparation of ordered polyarylenesiloxane/polymers
 [NASA-CASE-XMF-10753] c 06 N71-11237

Inorganic solid film lubricants Patent
 [NASA-CASE-XMF-03988] c 15 N71-21403

Fluorinated esters of polycarboxylic acids
 [NASA-CASE-MFS-21040-1] c 06 N73-30098

Milliken (D. B.) Co., Arcadia, Calif.
 Film feed camera having a detent means Patent
 [NASA-CASE-LAR-10686] c 14 N71-28935

Minneapolis-Honeywell Regulator Co., Minn.
 Microelectronic module package Patent
 [NASA-CASE-XMS-02182] c 10 N71-28783

Modern Machine and Tool Co., Newport News, Va
 Means for accommodating large overstrain in lead wires
 [NASA-CASE-LAR-10168-1] c 33 N74-22865

Monsanto Co., St. Louis, Mo.
 Method for the preparation of inorganic single crystal and polycrystalline electronic materials
 [NASA-CASE-XLE-02545-1] c 76 N79-21910

Monsanto Research Corp., Dayton, Ohio.
 Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
 [NASA-CASE-MFS-22356-1] c 23 N75-30256

Polyimides of ether-linked aryl tetracarboxylic dianhydrides
 [NASA-CASE-MFS-22355-1] c 23 N76-15268

Motorola, Inc., Phoenix, Ariz.
 Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
 [NASA-CASE-XMF-08665] c 10 N71-19467

Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
 [NASA-CASE-NPO-14474-1] c 26 N80-14229

Quartz ball valve
 [NASA-CASE-NPO-14473-1] c 37 N80-23654

Method and apparatus for quadrupole-shift-key and linear phase modulation
 [NASA-CASE-NPO-14444-1] c 33 N81-15192

PN lock indicator for dithered PN code tracking loop
 [NASA-CASE-NPO-14435-1] c 33 N81-33405

Motorola, Inc., Scottsdale, Ariz.
 Sealed cabinetry Patent
 [NASA-CASE-MSC-12168-1] c 09 N71-18600

Digital frequency discriminator Patent
 [NASA-CASE-MFS-14322] c 08 N71-18692

Phase modulator Patent
 [NASA-CASE-MSC-13201-1] c 07 N71-28429

Capacitance multiplier and filter synthesizing network
 [NASA-CASE-NPO-11948-1] c 33 N74-32712

Quadrupole demodulation
 [NASA-CASE-GSC-12137-1] c 33 N78-32338

Discriminator aided phase lock acquisition for suppressed carrier signals
 [NASA-CASE-NPO-14311-1] c 33 N82-29539

N

National Academy of Sciences - National Research Council, Washington, D. C.
 Gyator employing field effect transistors
 [NASA-CASE-MFS-21433] c 09 N73-20232

Suppression of flutter
 [NASA-CASE-LAR-10682-1] c 02 N73-26004

Optical data processing using paraboloidal mirror segments
 [NASA-CASE-GSC-11296-1] c 23 N73-30666

Power supply for carbon dioxide lasers
 [NASA-CASE-GSC-11222-1] c 16 N73-32391

High field CdS detector for infrared radiation
 [NASA-CASE-LAR-11027-1] c 35 N74-18088

Holography utilizing surface plasmon resonances
 [NASA-CASE-MFS-22040-1] c 35 N74-26946

Stagnation pressure probe
 [NASA-CASE-LAR-11139-1] c 35 N74-32878

Integrated P-channel MOS gyrator
 [NASA-CASE-MFS-22343-1] c 33 N74-34638

Automated analysis of oxidative metabolites
 [NASA-CASE-ARC-10469-1] c 25 N75-12086

Method of preparing water purification membranes
 [NASA-CASE-ARC-10643-1] c 25 N75-12087

Method of forming aperture plate for electron microscope
 [NASA-CASE-ARC-10448-2] c 74 N75-12732

Dually mode locked Nd YAG laser
 [NASA-CASE-GSC-11746-1] c 36 N75-19654

Anti-gravity device
 [NASA-CASE-MFS-22758-1] c 70 N75-26789

Impact position detector for outer space particles
 [NASA-CASE-GSC-11829-1] c 35 N75-27331

Integrable power gyrator
 [NASA-CASE-MFS-22342-1] c 33 N75-30428

Two stage light gas-plasma projectile accelerator
 [NASA-CASE-MFS-22287-1] c 75 N76-14931

Micrometeoroid velocity and trajectory analyzer
 [NASA-CASE-GSC-11892-1] c 35 N76-15433

Moving particle composition analyzer
 [NASA-CASE-GSC-11889-1] c 35 N76-16393

Self-energized plasma compressor
 [NASA-CASE-MFS-22145-2] c 75 N76-17951

Readout electrode assembly for measuring biological impedance
 [NASA-CASE-ARC-10816-1] c 35 N76-24525

Electron microscope aperture system
 [NASA-CASE-ARC-10448-3] c 35 N77-14408

Method for making a hot wire anemometer and product thereof
 [NASA-CASE-ARC-10900-1] c 35 N77-24454

Length controlled stabilized mode-lock Nd YAG laser
 [NASA-CASE-GSC-11571-1] c 36 N77-25499

Method of growing composites of the type exhibiting the Soret effect
 [NASA-CASE-MFS-22926-1] c 24 N77-27187

Method and apparatus for splitting a beam of energy
 [NASA-CASE-GSC-12083-1] c 73 N78-32848

Cantilever mounted resilient pad gas bearing
 [NASA-CASE-LEW-12569-1] c 37 N79-10418

Shock isolator for operating a diode laser on a closed-cycle refrigerator
 [NASA-CASE-GSC-12297-1] c 37 N79-28549

Pocket ECG electrode
 [NASA-CASE-ARC-11258-1] c 52 N80-33081

Subcutaneous electrode structure
 [NASA-CASE-ARC-11117-1] c 52 N81-14612

Microwave integrated circuit for Josephson voltage standards
 [NASA-CASE-MFS-23845-1] c 33 N81-17348

Autonomous navigation system
 [NASA-CASE-ARC-11257-1] c 04 N81-21047

Phosphorus-containing bismide resins
 [NASA-CASE-ARC-11321-1] c 27 N81-27272

Synthesis of polyformals
 [NASA-CASE-ARC-11244-1] c 23 N82-16174

Nical ternary alloy having improved cyclic oxidation resistance
 [NASA-CASE-LEW-13339-1] c 26 N82-31505

Massively parallel processor computer
 [NASA-CASE-GSC-12223-1] c 60 N83-25378

Non-invasive method and apparatus for measuring pressure within a pliable vessel
 [NASA-CASE-ARC-11264-2] c 52 N83-29991

Elastomer-modified phosphorus-containing imide resins
 [NASA-CASE-ARC-11400-1] c 27 N84-14322

Phosphorus-containing imide resins
 [NASA-CASE-ARC-11368-3] c 27 N84-22745

Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
 [NASA-CASE-ARC-11359-1] c 51 N84-28361

Synthesis of 2,4,8,10-tetroxaspiro[5,5]undecane
 [NASA-CASE-ARC-11243-2] c 23 N85-33187

Fire-resistant phosphorus containing polyimides and copolyimides
 [NASA-CASE-ARC-11522-2] c 27 N85-34280

Metal (2,4,4',4') phthalocyanine tetraamines as curing agents for epoxy resins
 [NASA-CASE-ARC-11424-1] c 27 N85-34281

National Aeronautics and Space Administration, Washington, D. C.
 Optical spin compensator
 [NASA-CASE-XGS-02401] c 14 N69-27485

Waveguide mixer
 [NASA-CASE-ERC-10179] c 07 N72-20141

Semiconductor-ferroelectric memory device
 [NASA-CASE-ERC-10307] c 08 N72-21198

Shielded cathode mode bulk effect devices
 [NASA-CASE-ERC-10119] c 26 N72-21701

Fabrication of single crystal film semiconductor devices
 [NASA-CASE-ERC-10222] c 09 N72-22199

Two color horizon sensor
 [NASA-CASE-ERC-10174] c 14 N72-25409

Ultraviolet atomic emission detector
 [NASA-CASE-HQN-10756-1] c 14 N72-25428

Optical pump and driver system for lasers
 [NASA-CASE-ERC-10283] c 16 N72-25485

Clear air turbulence detector
 [NASA-CASE-ERC-10081] c 14 N72-28437

Head-up attitude display
 [NASA-CASE-ERC-10392] c 21 N73-14692

System for indicating direction of intruder aircraft
 [NASA-CASE-ERC-10226-1] c 14 N73-16483

Aircraft control system [NASA-CASE-ERC-10439]	c 02	N73-19004	Electric arc device for heating gases Patent [NASA-CASE-XAC-00319]	c 25	N70-41628	Means for suppressing or attenuating bending motion of elastic bodies Patent [NASA-CASE-XAC-05632]	c 32	N71-23971
Display system [NASA-CASE-ERC-10350]	c 14	N73-20474	Dynamic sensor Patent [NASA-CASE-XAC-02877]	c 14	N70-41681	Device for measuring pressure Patent [NASA-CASE-XAC-04458]	c 14	N71-24232
Method and apparatus for measuring solar activity and atmospheric radiation effects [NASA-CASE-ERC-10276]	c 14	N73-26432	Universal pilot restraint suit and body support therefor Patent [NASA-CASE-XAC-00405]	c 05	N70-41819	Transducer circuit and catheter transducer Patent [NASA-CASE-ARC-10132-1]	c 09	N71-24597
Doppler shift system [NASA-CASE-HQN-10740-1]	c 72	N74-19310	Proportional controller Patent [NASA-CASE-XAC-03392]	c 03	N70-41954	Skeletal stressing method and apparatus Patent [NASA-CASE-ARC-10100-1]	c 05	N71-24738
Auditory display for the blind [NASA-CASE-HQN-10832-1]	c 71	N74-21014	Force transducer Patent [NASA-CASE-XAC-01101]	c 14	N70-41957	Modified polyurethane foams for fuel-fire Patent [NASA-CASE-ARC-10098-1]	c 06	N71-24739
Laser system with an antiresonant optical ring [NASA-CASE-HQN-10844-1]	c 36	N75-19653	Electrode construction Patent [NASA-CASE-ARC-10043-1]	c 05	N71-11193	Deep space monitor communication satellite system Patent [NASA-CASE-XAC-06029-1]	c 31	N71-24813
Physical correction filter for improving the optical quality of an image [NASA-CASE-HQN-10542-1]	c 74	N75-25706	Telemeter adaptable for implanting in an animal Patent [NASA-CASE-XAC-05706]	c 05	N71-12342	Laser fluid velocity detector Patent [NASA-CASE-XAC-10770-1]	c 16	N71-24828
Folding structure fabricated of rigid panels [NASA-CASE-XHQ-02146]	c 18	N75-27040	Gyration type circuit Patent [NASA-CASE-XAC-10608-1]	c 09	N71-12517	Transient video signal recording with expanded playback Patent [NASA-CASE-ARC-10003-1]	c 09	N71-25866
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility [NASA-CASE-HQN-10069]	c 33	N75-27251	Ultraviolet resonance lamp Patent [NASA-CASE-ARC-10030]	c 09	N71-12521	Thermally cycled magnetometer Patent [NASA-CASE-XAC-03740]	c 14	N71-26135
Vapor deposition apparatus [NASA-CASE-HQN-10462]	c 25	N75-29192	Differential temperature transducer Patent [NASA-CASE-XAC-00812]	c 14	N71-15598	Optical machine tool alignment indicator Patent [NASA-CASE-XAC-09489-1]	c 15	N71-26673
Resistive anode image converter [NASA-CASE-HQN-10876-1]	c 33	N76-27473	Multiple circuit switch apparatus with improved pivot actuator structure Patent [NASA-CASE-XAC-03777]	c 10	N71-15909	Energy limiter for hydraulic actuators Patent [NASA-CASE-ARC-10131-1]	c 15	N71-27754
Rechargeable battery which combats shape change of the zinc anode [NASA-CASE-HQN-10862-1]	c 44	N76-29699	Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent [NASA-CASE-XAC-08494]	c 30	N71-15990	Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent [NASA-CASE-ARC-10137-1]	c 09	N71-28468
System and method for tracking a signal source [NASA-CASE-HQN-10880-1]	c 17	N78-17140	High efficiency multivibrator Patent [NASA-CASE-XAC-00942]	c 10	N71-16042	Locomotion and restraint aid Patent [NASA-CASE-ARC-10153]	c 05	N71-28619
Non-equilibrium radiation nuclear reactor [NASA-CASE-HQN-10841-1]	c 73	N78-19920	Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent [NASA-CASE-XAC-05695]	c 25	N71-16073	Line following servosystem Patent [NASA-CASE-XAC-00001]	c 15	N71-28952
Cooling system for removing metabolic heat from an hermetically sealed spacesuit [NASA-CASE-ARC-11059-1]	c 54	N78-32721	Flight craft Patent [NASA-CASE-XAC-02058]	c 02	N71-16087	Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent [NASA-CASE-XAC-00048]	c 02	N71-29128
Safety flywheel [NASA-CASE-HQN-10888-1]	c 44	N79-14527	Three-axis finger tip controller for switches Patent [NASA-CASE-XAC-02405]	c 09	N71-16089	Precision rectifier with FET switching means Patent [NASA-CASE-ARC-10101-1]	c 09	N71-33109
Flow diverter valve and flow diversion method [NASA-CASE-HQN-00573-1]	c 37	N79-33468	Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent [NASA-CASE-XAC-05506-1]	c 24	N71-16095	Solar cell Patent [NASA-CASE-ARC-10050]	c 03	N71-33409
Glass compositions with a high modulus of elasticity [NASA-CASE-HQN-10274-1]	c 27	N82-29451	Inertial reference apparatus Patent [NASA-CASE-XAC-03107]	c 23	N71-16098	Phase shift circuit apparatus [NASA-CASE-ARC-10269-1]	c 10	N72-16172
High modulus invert analog glass compositions containing beryllia [NASA-CASE-HQN-10931-2]	c 27	N82-29452	Fastener apparatus Patent [NASA-CASE-ARC-10140-1]	c 15	N71-17653	High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level [NASA-CASE-ARC-10178-1]	c 09	N72-17152
Non-toxic invert analog glass compositions of high modulus [NASA-CASE-HQN-10328-2]	c 27	N82-29454	Stabilization of gravity oriented satellites Patent [NASA-CASE-XAC-01591]	c 31	N71-17729	Telemetry actuated switch [NASA-CASE-ARC-10105]	c 09	N72-17153
High modulus rare earth and beryllium containing silicate glass compositions [NASA-CASE-HQN-10595-1]	c 27	N82-29455	Microwave flaw detector Patent [NASA-CASE-ARC-10009-1]	c 15	N71-17822	Active RC networks [NASA-CASE-ARC-10020]	c 10	N72-17172
High resistance and raised modulus carbon fibers [NASA-TM-76884]	c 24	N85-25436	Hypervelocity gun Patent [NASA-CASE-XAC-05902]	c 11	N71-18578	Apparatus for automatically stabilizing the attitude of a nonguided vehicle [NASA-CASE-ARC-10134]	c 30	N72-17873
National Aeronautics and Space Administration, Ames Research Center, Moffett Field, Calif.			Nonlinear analog-to-digital converter Patent [NASA-CASE-XAC-04031]	c 08	N71-18594	Flexible fire retardant foam [NASA-CASE-ARC-10180-1]	c 28	N72-20767
Nonmagnetic thermal motor for a magnetometer [NASA-CASE-XAR-03786]	c 09	N69-21313	Demodulation system Patent [NASA-CASE-XAC-04030]	c 10	N71-19472	Method and apparatus for swept-frequency impedance measurements of welds [NASA-CASE-ARC-10176-1]	c 15	N72-21464
Balanced bellows spirometer [NASA-CASE-XAR-01547]	c 05	N69-21473	Phase quadrature-plural channel data transmission system Patent [NASA-CASE-XAC-06302]	c 08	N71-19763	Space suit having improved waist and torso movement [NASA-CASE-ARC-10275-1]	c 05	N72-22092
Cryogenic apparatus for measuring the intensity of magnetic fields [NASA-CASE-XAC-02407]	c 14	N69-27423	Two force component measuring device Patent [NASA-CASE-XAC-04886-1]	c 14	N71-20439	RF controlled solid state switch [NASA-CASE-ARC-10136-1]	c 09	N72-22202
Variable stiffness polymenc damper [NASA-CASE-XAC-11225]	c 14	N69-27486	Attitude controls for VTOL aircraft Patent [NASA-CASE-XAC-08972]	c 02	N71-20570	Wide range dynamic pressure sensor [NASA-CASE-ARC-10263-1]	c 14	N72-22438
Shock-layer radiation measurement [NASA-CASE-XAC-02970]	c 14	N69-39896	Electric arc apparatus Patent [NASA-CASE-XAC-01677]	c 09	N71-20816	Method and apparatus for measuring the damping characteristics of a structure [NASA-CASE-ARC-10154-1]	c 14	N72-22440
Protective circuit of the spark gap type [NASA-CASE-XAC-08981]	c 09	N69-39897	Inertia diaphragm pressure transducer Patent [NASA-CASE-XAC-02981]	c 14	N71-21072	Magnetic position detection method and apparatus [NASA-CASE-ARC-10179-1]	c 21	N72-22619
Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent [NASA-CASE-XAC-00086]	c 09	N70-33182	Stirring apparatus for plural test tubes Patent [NASA-CASE-XAC-06956]	c 15	N71-21177	Fluidic proportional thruster system [NASA-CASE-ARC-10106-1]	c 28	N72-22769
Two-plane balance Patent [NASA-CASE-XAC-00073]	c 14	N70-34813	Exposure system for animals Patent [NASA-CASE-XAC-05333]	c 11	N71-22875	Thermodielectric radiometer utilizing polymer film [NASA-CASE-ARC-10138-1]	c 14	N72-24477
Centrifuge mounted motion simulator Patent [NASA-CASE-XAC-00399]	c 11	N70-34815	Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent [NASA-CASE-XAC-02807]	c 09	N71-23021	Polymenc vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines [NASA-CASE-ARC-10325]	c 06	N72-25147
Differential pressure cell Patent [NASA-CASE-XAC-00042]	c 14	N70-34816	Hall current measuring apparatus having a series resistor for temperature compensation Patent [NASA-CASE-XAC-01662]	c 14	N71-23037	Stereoscopic television system and apparatus [NASA-CASE-ARC-10160-1]	c 23	N72-27728
High-temperature, high-pressure spherical segment valve Patent [NASA-CASE-XAC-00074]	c 15	N70-34817	Transfer valve Patent [NASA-CASE-XAC-01158]	c 15	N71-23051	Metallic intrusion detector system [NASA-CASE-ARC-10265-1]	c 10	N72-28240
Magnetically centered liquid column float Patent [NASA-CASE-XAC-00030]	c 14	N70-34820	Hard space suit Patent [NASA-CASE-XAC-07043]	c 05	N71-23161	Apparatus for ionization analysis [NASA-CASE-ARC-10017-1]	c 14	N72-29464
Propeller blade loading control Patent [NASA-CASE-XAC-00139]	c 02	N70-34856	Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent [NASA-CASE-XAC-05422]	c 04	N71-23185	Nondispersive gas analyzing method and apparatus wherein radiation is sensally passed through a reference and unknown gas [NASA-CASE-ARC-10308-1]	c 06	N72-31141
Temperature compensated solid state differential amplifier Patent [NASA-CASE-XAC-00435]	c 09	N70-35440	Feedback integrator with grounded capacitor Patent [NASA-CASE-XAC-10607]	c 10	N71-23669	Two degree inverted flexure [NASA-CASE-ARC-10345-1]	c 15	N73-12488
High speed low level electrical stepping switch Patent [NASA-CASE-XAC-00060]	c 09	N70-39915	Floating two force component measuring device Patent [NASA-CASE-XAC-04885]	c 14	N71-23790	Intumescent paint containing nitrile rubber [NASA-CASE-ARC-10196-1]	c 18	N73-13562
Analog-to-digital conversion system Patent [NASA-CASE-XAC-00404]	c 08	N70-40125	Control device Patent [NASA-CASE-XAC-10019]	c 15	N71-23809	Temperature compensated light source using a light emitting diode [NASA-CASE-ARC-10467-1]	c 09	N73-14214
Null-type vacuum microbalance Patent [NASA-CASE-XAC-00472]	c 15	N70-40180				Self-tuning bandpass filter [NASA-CASE-ARC-10264-1]	c 09	N73-20231
Thermo-protective device for balances Patent [NASA-CASE-XAC-00648]	c 14	N70-40400						
Three-axis controller Patent [NASA-CASE-XAC-01404]	c 05	N70-41581						

Micrometeoroid analyzer [NASA-CASE-ARC-10443-1]	c 14	N73-20477	Rotary plant growth accelerating apparatus [NASA-CASE-ARC-10722-1]	c 51	N75-25503	Optical instrument employing reticle having preselected visual response pattern formed thereon [NASA-CASE-ARC-10976-1]	c 74	N77-22950
Multiple pass reimagining optical system [NASA-CASE-ARC-10194-1]	c 23	N73-20741	Shoulder harness and lap belt restraint system [NASA-CASE-ARC-10519-2]	c 05	N75-25915	Sampling video compression system [NASA-CASE-ARC-10984-1]	c 32	N77-24328
Intruder detection system [NASA-CASE-ARC-10097-2]	c 07	N73-25160	Gas chromatograph injection system [NASA-CASE-ARC-10344-2]	c 35	N75-26334	Method for making a hot wire anemometer and product thereof [NASA-CASE-ARC-10900-1]	c 35	N77-24454
Interferometric rotation sensor [NASA-CASE-ARC-10278-1]	c 14	N73-25463	Reference apparatus for medical ultrasonic transducer [NASA-CASE-ARC-10753-1]	c 54	N75-27760	Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction [NASA-CASE-ARC-10970-1]	c 36	N77-25501
Dual-fuselage aircraft having yawable wing and horizontal stabilizer [NASA-CASE-ARC-10470-1]	c 02	N73-26005	Electric arc light source having undercut recessed anode [NASA-CASE-ARC-10266-1]	c 33	N75-29318	System for measuring three fluctuating velocity components in a turbulently flowing fluid [NASA-CASE-ARC-10974-1]	c 34	N77-27345
Temperature controller for a fluid cooled garment [NASA-CASE-ARC-10599-1]	c 05	N73-26071	G-load measuring and indicator apparatus [NASA-CASE-ARC-10806-1]	c 35	N75-29381	Twin-capacitive shaft angle encoder with analog output signal [NASA-CASE-ARC-10897-1]	c 33	N77-31404
Visual examination apparatus [NASA-CASE-ARC-10329-1]	c 05	N73-26072	NDIR gas analyzer based on absorption modulation ratios for known and unknown samples [NASA-CASE-ARC-10802-1]	c 35	N75-30502	Anthropomorphic master/slave manipulator system [NASA-CASE-ARC-10756-1]	c 54	N77-32721
Intumescent composition, foamed product prepared therewith, and process for making same [NASA-CASE-ARC-10304-1]	c 18	N73-26572	Diatom infrared gasdynamic laser [NASA-CASE-ARC-10370-1]	c 36	N75-31426	Mechanical energy storage device for hip disarticulation [NASA-CASE-ARC-10916-1]	c 52	N78-10686
Infrared tunable laser [NASA-CASE-ARC-10463-1]	c 09	N73-32111	Pneumatic load compensating or controlling system [NASA-CASE-ARC-10907-1]	c 37	N75-32465	Optically selective, acoustically resonant gas detecting transducer [NASA-CASE-ARC-10639-1]	c 35	N78-13400
Low power electromagnetic flowmeter providing accurate zero set [NASA-CASE-ARC-10362-1]	c 14	N73-32326	Combined dual scatter, local oscillator laser Doppler velocimeter [NASA-CASE-ARC-10642-1]	c 36	N76-14447	Intumescent coatings containing 4,4'-dinitrosulfanilide [NASA-CASE-ARC-11042-1]	c 24	N78-14096
Hand-held photomicroscope [NASA-CASE-ARC-10468-1]	c 14	N73-33361	Fiber modified polyurethane foam for ballistic protection [NASA-CASE-ARC-10714-1]	c 27	N76-15310	Automatic multiple-sample applicator and electrophoresis apparatus [NASA-CASE-ARC-10991-1]	c 25	N78-14104
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector [NASA-CASE-ARC-10444-1]	c 16	N73-33397	Transparent fire resistant polymers structures [NASA-CASE-ARC-10813-1]	c 27	N76-16230	Flow separation detector [NASA-CASE-ARC-11046-1]	c 35	N78-14364
Polymide foam for the thermal insulation and fire protection [NASA-CASE-ARC-10464-1]	c 27	N74-12812	Modulated hydrogen ion flame detector [NASA-CASE-ARC-10322-1]	c 35	N76-18403	Honeycomb-laminate composite structure [NASA-CASE-ARC-10913-1]	c 24	N78-15180
Flexible fire retardant polyisocyanate modified neoprene foam [NASA-CASE-ARC-10180-1]	c 27	N74-12814	Electrical conductivity cell and method for fabricating the same [NASA-CASE-ARC-10810-1]	c 33	N76-19339	Heat pipe with dual working fluids [NASA-CASE-ARC-10198]	c 34	N78-17336
Heater-mixer for stored fluids [NASA-CASE-ARC-10442-1]	c 35	N74-15093	Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector [NASA-CASE-ARC-10631-1]	c 74	N76-20958	Multi-chamber controllable heat pipe [NASA-CASE-ARC-10199]	c 34	N78-17337
Bimetallic fluid displacement apparatus [NASA-CASE-ARC-10441-1]	c 35	N74-15126	Telectrode capacitive pressure transducer [NASA-CASE-ARC-10711-2]	c 33	N76-21390	Walking boot assembly [NASA-CASE-ARC-11101-1]	c 54	N78-17675
Automatic real-time pair-feeding system for animals [NASA-CASE-ARC-10302-1]	c 51	N74-15778	Nulling device for detection of trace gases by NDIR absorption [NASA-CASE-ARC-10760-1]	c 25	N76-22323	Full color hybrid display for aircraft simulators [NASA-CASE-ARC-10903-1]	c 09	N78-18083
Overvoltage protection network [NASA-CASE-ARC-10197-1]	c 33	N74-17929	Silica reusable surface insulation [NASA-CASE-ARC-10721-1]	c 27	N76-22376	Apparatus for measuring a sorbate dispersed in a fluid stream [NASA-CASE-ARC-10896-1]	c 35	N78-19465
Ultrasonic biomedical measuring and recording apparatus [NASA-CASE-ARC-10597-1]	c 52	N74-20726	Optical alignment device [NASA-CASE-ARC-10932-1]	c 74	N76-22993	Automatic fluid dispenser [NASA-CASE-ARC-10820-1]	c 35	N78-19466
Ultraviolet and thermally stable polymer compositions [NASA-CASE-ARC-10592-1]	c 27	N74-21156	Vehicle simulator binocular multiplexed visual display system [NASA-CASE-ARC-10808-1]	c 09	N76-24280	Intumescent-abiator coatings using endothermic fillers [NASA-CASE-ARC-11043-1]	c 24	N78-21780
High speed shutter [NASA-CASE-ARC-10516-1]	c 70	N74-21300	Readout electrode assembly for measuring biological impedance [NASA-CASE-ARC-10816-1]	c 35	N76-24525	Low density bismaleimide-carbon microballoon composites [NASA-CASE-ARC-11040-2]	c 24	N78-27184
Bio-isolated dc operational amplifier [NASA-CASE-ARC-10596-1]	c 33	N74-21851	System for measuring Reynolds in a turbulently flowing fluid [NASA-CASE-ARC-10755-2]	c 34	N76-27517	Rotary leveling base platform [NASA-CASE-ARC-10981-1]	c 37	N78-27425
Programmable physiological infusion [NASA-CASE-ARC-10447-1]	c 52	N74-22771	Oblique-wing supersonic aircraft [NASA-CASE-ARC-10470-3]	c 05	N76-29217	Tread drum for animals [NASA-CASE-ARC-10917-1]	c 51	N78-27733
Chromato-fluorographic drug detector [NASA-CASE-ARC-10633-1]	c 25	N74-26947	Accelerometer telemetry system [NASA-CASE-ARC-10849-1]	c 17	N76-29347	Polymers foams from cross-linkable poly-n-arylenebenzimidazoles [NASA-CASE-ARC-11008-1]	c 27	N78-31232
Intumescent composition, foamed product prepared therewith and process for making same [NASA-CASE-ARC-10304-2]	c 27	N74-27037	Miniature ingestible telemeter devices to measure deep-body temperature [NASA-CASE-ARC-10583-1]	c 52	N76-29894	Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge [NASA-CASE-ARC-11057-1]	c 27	N78-31233
Photomultiplier circuit including means for rapidly reducing the sensitivity thereof [NASA-CASE-ARC-10593-1]	c 33	N74-27682	Visual examination apparatus [US-PATENT-RE-28,921]	c 52	N76-30793	Spacesuit mobility joints [NASA-CASE-ARC-11058-1]	c 54	N78-31735
G-load measuring and indicator apparatus [NASA-CASE-ARC-10806]	c 06	N74-27872	Integrated structure vacuum tube [NASA-CASE-ARC-10445-1]	c 31	N76-31365	Spacesuit torso closure [NASA-CASE-ARC-11100-1]	c 54	N78-31736
Concentric differential gearing arrangement [NASA-CASE-ARC-10462-1]	c 37	N74-27901	Ultraviolet and thermally stable polymer compositions [NASA-CASE-ARC-10592-2]	c 27	N76-32315	Process for preparing higher oxides of the alkali and alkaline earth metals [NASA-CASE-ARC-10992-1]	c 26	N78-32229
Measurement of plasma temperature and density using radiation absorption [NASA-CASE-ARC-10598-1]	c 75	N74-30156	Biomedical ultrasonoscope [NASA-CASE-ARC-10994-1]	c 52	N76-33835	Reaction cured glass and glass coatings [NASA-CASE-ARC-11051-1]	c 27	N78-32260
Abating exhaust noises in jet engines [NASA-CASE-ARC-10712-1]	c 07	N74-33218	Thermistor holder for skin temperature measurements [NASA-CASE-ARC-10855-1]	c 52	N77-10780	Angle detector [NASA-CASE-ARC-11036-1]	c 35	N78-32395
Solid medium thermal engine [NASA-CASE-ARC-10461-1]	c 44	N74-33379	Smoke generator [NASA-CASE-ARC-10905-1]	c 37	N77-13418	Process for producing a well-adhered durable optical coating on an optical plastic substrate [NASA-CASE-ARC-11039-1]	c 74	N78-32854
Automated analysis of oxidative metabolites [NASA-CASE-ARC-10469-1]	c 25	N75-12086	Electron microscope aperture system [NASA-CASE-ARC-10448-3]	c 35	N77-14408	Process for the preparation of calcium superoxide [NASA-CASE-ARC-11053-1]	c 25	N79-10162
Method of preparing water purification membranes [NASA-CASE-ARC-10643-1]	c 25	N75-12087	Liquid cooled brasserie and method of diagnosing malignant tumors therewith [NASA-CASE-ARC-11007-1]	c 52	N77-14736	Contour detector and data acquisition system for the left ventricular outline [NASA-CASE-ARC-10985-1]	c 52	N79-10724
Method of forming aperture plate for electron microscope [NASA-CASE-ARC-10448-2]	c 74	N75-12732	Hingeless helicopter rotor with improved stability [NASA-CASE-ARC-10807-1]	c 05	N77-17029	Ambient cure polyimide foams [NASA-CASE-ARC-11170-1]	c 27	N79-11215
Integrated lift/drag controller for aircraft [NASA-CASE-ARC-10456-1]	c 05	N75-12930	The engine air intake system [NASA-CASE-ARC-10761-1]	c 07	N77-18154	Microelectrophoretic apparatus and process [NASA-CASE-ARC-11121-1]	c 25	N79-14169
Wind tunnel flow generation section [NASA-CASE-ARC-10710-1]	c 09	N75-12969	Spring operated accelerator and constant force spring mechanism therefor [NASA-CASE-ARC-10898-1]	c 35	N77-18417	Preparation of dielectric coating of variable dielectric constant by plasma polymerization [NASA-CASE-ARC-10892-2]	c 27	N79-14214
Continuous Fourier transform method and apparatus [NASA-CASE-ARC-10466-1]	c 60	N75-13539	Rotating launch device for a remotely piloted aircraft [NASA-CASE-ARC-10979-1]	c 09	N77-19076	Electric discharge for treatment of trace contaminants [NASA-CASE-ARC-10975-1]	c 33	N79-15245
Dual wavelength scanning Doppler velocimeter [NASA-CASE-ARC-10637-1]	c 35	N75-16783	Tubular sublimatory evaporator heat sink [NASA-CASE-ARC-10912-1]	c 34	N77-19353	Low density bismaleimide-carbon microballoon composites [NASA-CASE-ARC-11040-1]	c 24	N79-16915
Signal conditioning circuit apparatus [NASA-CASE-ARC-10348-1]	c 33	N75-19518	Selective data segment monitoring system [NASA-CASE-ARC-10899-1]	c 60	N77-19760	Constant lift rotor for a heavier than air craft [NASA-CASE-ARC-11045-1]	c 05	N79-17847
Diode-quad bridge circuit means [NASA-CASE-ARC-10364-3]	c 33	N75-19520	All sky pointing attitude control system [NASA-CASE-ARC-10716-1]	c 35	N77-20399			
Reversed cowl flap inlet thrust augmentor [NASA-CASE-ARC-10754-1]	c 07	N75-24736	Metallic hot wire anemometer [NASA-CASE-ARC-10911-1]	c 35	N77-20400			
Diode-quad bridge circuit means [NASA-CASE-ARC-10364-2]	c 33	N75-25041						

- Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
- Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393
- Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- Reverse osmosis membrane of high urea rejection properties
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26296
- Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
- Pressure control valve
[NASA-CASE-ARC-11251-1] c 37 N81-17433
- Autonomous navigation system
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- Process for the preparation of polycarboranylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
- Carboranylcyclotriphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- The 1 - (dialkoxylphosphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- Synthesis of dawsonites
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
- Scanning seismic intrusion detection method and apparatus
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
- Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Simulator scene display evaluation
[NASA-CASE-ARC-11504-1] c 09 N84-16221
- Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
- Amine terminated bisaspartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
- Vinyl styrylpyridines and their copolymerization with bismaleimide resins
[NASA-CASE-ARC-11429-1-CU] c 27 N84-16341
- Fire resistant polymers based on 1-((dialkoxylphosphonyl)methyl)-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
- Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N84-20808
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 24 N84-22697
- Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
- Carboranylethylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N84-25015
- Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N84-26400
- Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
- Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361
- Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N84-33021
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
- Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N85-20320
- Elbow and knee joint for hard space suits and the like
[NASA-CASE-ARC-11610-1] c 54 N85-20666
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
- Fire resistant polymers based on 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diamino benzenes
[NASA-CASE-ARC-11512-2] c 27 N85-21362
- Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364
- Shoulder and hip joint for hard space suits and the like
[NASA-CASE-ARC-11543-1] c 54 N85-21986
- Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N85-21987
- Light weight fire resistant graphite composites
[NASA-CASE-ARC-11615-1-SB] c 24 N85-28976
- Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- Aircraft rotor blade with passive tuned tail
[NASA-CASE-ARC-11444-1] c 05 N85-29947
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1-SB] c 24 N85-30033
- LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- Synthesis of 2,4,8,10-tetroxaspiro5,5undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187
- Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
- Metal (2,4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- National Aeronautics and Space Administration,
Dryden (Hugh L.) Flight Research Center, Edwards,
Calif.**
- Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
- Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
- Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- Voltage regulator for battery power source
[NASA-CASE-FRC-10116-1] c 33 N79-23345
- Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
- Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- System for use in conducting wake investigation for a wing in flight
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

Skin friction measuring device for aircraft [NASA-CASE-FRC-11029-1]	c 06	N81-17057	A solid state acoustic variable time delay line Patent [NASA-CASE-ERC-10032]	c 10	N71-25900	Inflatable device for installing strain gage bridges [NASA-CASE-FRC-11068-1]	c 35	N84-12443
Method for observing the features characterizing the surface of a land mass [NASA-CASE-FRC-11013-1]	c 43	N81-17499	Method and means for recording and reconstructing holograms without use of a reference beam Patent [NASA-CASE-ERC-10020]	c 16	N71-26154	National Aeronautics and Space Administration. Goddard Inst. for Space Studies, New York. Application of luciferase assay for ATP to antimicrobial drug susceptibility [NASA-CASE-GSC-12039-1]	c 51	N77-22794
Thermocouple, multiple junction reference oven [NASA-CASE-FRC-10112-1]	c 35	N81-26431	Electromechanical control actuator system Patent [NASA-CASE-ERC-10022]	c 15	N71-26635	Method for fabricating a mass spectrometer inlet leak [NASA-CASE-GSC-12077-1]	c 35	N77-24455
Electrical servo actuator bracket [NASA-CASE-FRC-11044-1]	c 37	N81-33483	Method and apparatus for detecting gross leaks Patent [NASA-CASE-ERC-10033]	c 14	N71-26672	Length controlled stabilized mode-lock ND YAG laser [NASA-CASE-GSC-11571-1]	c 36	N77-25499
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation [NASA-CASE-FRC-11005-1]	c 06	N82-16075	Field ionization electrodes Patent [NASA-CASE-ERC-10013]	c 09	N71-26678	Three phase full wave dc motor decoder [NASA-CASE-GSC-11824-1]	c 33	N77-26386
Multiple pure tone elimination strut assembly [NASA-CASE-FRC-11062-1]	c 71	N82-16800	Voltage regulator Patent [NASA-CASE-ERC-10113]	c 09	N71-27053	Gregorian all-reflective optical system [NASA-CASE-GSC-12058-1]	c 74	N77-26942
Apparatus for damping operator induced oscillations of a controlled system [NASA-CASE-FRC-11041-1]	c 33	N82-18493	A multichannel photoionization chamber for absorption analysis Patent [NASA-CASE-ERC-10044-1]	c 14	N71-27090	Opto-mechanical subsystem with temperature compensation through isothermal design [NASA-CASE-GSC-12059-1]	c 35	N77-27366
Power converter [NASA-CASE-FRC-11014-1]	c 33	N82-18494	Pressure sensitive transducers Patent [NASA-CASE-ERC-10087]	c 14	N71-27334	Controlled caging and uncaging mechanism [NASA-CASE-GSC-11063-1]	c 37	N77-27400
Sun sensing guidance system for high altitude aircraft [NASA-CASE-FRC-11052-1]	c 04	N82-23231	Constant frequency output two stage induction machine systems Patent [NASA-CASE-ERC-10065]	c 09	N71-27364	Wideband heterodyne receiver for laser communication system [NASA-CASE-GSC-12053-1]	c 32	N77-28346
Superplastically formed diffusion bonded metallic structure [NASA-CASE-FRC-11026-1]	c 24	N82-24296	Fluid power transmitting gas bearing Patent [NASA-CASE-ERC-10097]	c 15	N71-28465	Method and apparatus for producing an image from a transparent object [NASA-CASE-GSC-11989-1]	c 74	N77-28932
Smoothing filter for digital to analog conversion [NASA-CASE-FRC-11025-1]	c 33	N82-24417	Color television systems using a single gun color cathode ray tube Patent [NASA-CASE-ERC-10098]	c 09	N71-28618	Pseudo noise code and data transmission method and apparatus [NASA-CASE-GSC-12017-1]	c 32	N77-30308
Computer circuit card puller [NASA-CASE-FRC-11042-1]	c 60	N82-24839	Ion microprobe mass spectrometer for analyzing fluid materials Patent [NASA-CASE-ERC-10014]	c 14	N71-28863	Speech analyzer [NASA-CASE-GSC-11898-1]	c 32	N77-30309
Annular wing [NASA-CASE-FRC-11007-2]	c 05	N82-26277	Orifice gross leak tester Patent [NASA-CASE-ERC-10150]	c 14	N71-28992	Automatic transponder [NASA-CASE-GSC-12075-1]	c 32	N77-31350
Low-drag ground vehicle particularly suited for use in safely transporting livestock [NASA-CASE-FRC-11058-1]	c 85	N82-33288	Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent [NASA-CASE-XER-11203]	c 14	N71-28994	Method of treating the surface of a glass member [NASA-CASE-GSC-12110-1]	c 27	N77-32308
Aircraft canopy lock [NASA-CASE-FRC-11065-1]	c 05	N83-19737	Quasi-optical microwave component Patent [NASA-CASE-ERC-10011]	c 07	N71-29065	Flat-plate heat pipe [NASA-CASE-GSC-11998-1]	c 34	N77-32413
Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft [NASA-CASE-FRC-11072-1]	c 05	N83-27975	Multiple hologram recording and readout system Patent [NASA-CASE-ERC-10151]	c 16	N71-29131	Fluid sampling device [NASA-CASE-GSC-12143-1]	c 35	N77-32456
Aircraft body-axis rotation measurement system [NASA-CASE-FRC-11043-1]	c 06	N83-33882	Plasma fluidic hybrid display Patent [NASA-CASE-ERC-10100]	c 09	N71-33519	Analog to digital converter for two-dimensional radiant energy array computers [NASA-CASE-GSC-11839-3]	c 60	N77-32731
National Aeronautics and Space Administration. Electronics Research Center, Cambridge, Mass. Method and apparatus for wavelength tuning of liquid lasers [NASA-CASE-ERC-10187]	c 16	N69-31343	Optical systems having spatially invariant outputs [NASA-CASE-ERC-10248]	c 14	N72-17323	Remote sensing of vegetation and soil using microwave ellipsometry [NASA-CASE-GSC-11976-1]	c 43	N78-10529
A method for the deposition of beta-silicon carbide by isoeptaxy [NASA-CASE-ERC-10120]	c 26	N69-33482	Method of detecting impending saturation of magnetic cores [NASA-CASE-ERC-10089]	c 23	N72-17747	Memory device for two-dimensional radiant energy array computers [NASA-CASE-GSC-11839-2]	c 60	N78-10709
Full flow with shut off and selective drainage control valve Patent application [NASA-CASE-ERC-10208]	c 15	N70-10867	Logarithmic function generator utilizing an exponentially varying signal in an inverse manner [NASA-CASE-ERC-10267]	c 09	N72-23173	National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. Regulated dc to dc converter [NASA-CASE-XGS-03429]	c 03	N69-21330
A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application [NASA-CASE-ERC-10072]	c 09	N70-11148	Method and apparatus for limiting field emission current [NASA-CASE-ERC-10015-2]	c 10	N72-27246	Apparatus for measuring swelling characteristics of membranes [NASA-CASE-XGS-03865]	c 14	N69-21363
Method and means for an improved electron beam scanning system Patent [NASA-CASE-ERC-10552]	c 09	N71-12539	National Aeronautics and Space Administration. Flight Research Center, Edwards, Calif. Rocket chamber leak test fixture [NASA-CASE-XFR-09479]	c 14	N69-27503	Tumbler system to provide random motion [NASA-CASE-XGS-02437]	c 15	N69-21472
Apparatus and method for separating a semiconductor wafer Patent [NASA-CASE-ERC-10138]	c 26	N71-14354	Three axis controller Patent [NASA-CASE-XFR-00181]	c 21	N70-33279	Automatic acquisition system for phase-lock loop [NASA-CASE-XGS-04994]	c 09	N69-21543
Focused image holography with extended sources Patent [NASA-CASE-ERC-10019]	c 16	N71-15551	Catalyst bed removing tool Patent [NASA-CASE-XFR-00811]	c 15	N70-36901	Low power drain semi-conductor circuit [NASA-CASE-XGS-04999]	c 09	N69-24317
Recording and reconstructing focused image holograms Patent [NASA-CASE-ERC-10017]	c 16	N71-15567	Two-axis controller Patent [NASA-CASE-XFR-04104]	c 03	N70-42073	Spacecraft battery seals [NASA-CASE-XGS-03864]	c 15	N69-24320
Sorption vacuum trap Patent [NASA-CASE-XER-09519]	c 14	N71-18483	Controlled visibility device for an aircraft Patent [NASA-CASE-XFR-04147]	c 11	N71-10748	Scanning aspect sensor employing an apertured disc and a commutator [NASA-CASE-XGS-08266]	c 14	N69-27432
Voltage tunable Gunn-type microwave generator Patent [NASA-CASE-XER-07894]	c 09	N71-18721	Biomedical electrode arrangement Patent [NASA-CASE-XFR-10856]	c 05	N71-11189	Monopulse system with an electronic scanner [NASA-CASE-XGS-05582]	c 07	N69-27460
Array phasing device Patent [NASA-CASE-ERC-10046]	c 10	N71-18722	Lifting body Patent Application [NASA-CASE-FRC-10063]	c 01	N71-12217	Ring counter [NASA-CASE-XGS-03095]	c 09	N69-27463
Parametric microwave noise generator Patent [NASA-CASE-XER-11019]	c 09	N71-23598	Energy management system for glider type vehicle Patent [NASA-CASE-XFR-00756]	c 02	N71-13421	Retrodirective optical system [NASA-CASE-XGS-04480]	c 16	N69-27491
Saturation current protection apparatus for saturable core transformers Patent [NASA-CASE-ERC-10075]	c 09	N71-24800	Quick attach mechanism Patent [NASA-CASE-XFR-05421]	c 15	N71-22994	Time division multiplex system [NASA-CASE-XGS-05918]	c 07	N69-39974
Repetitively pulsed, wavelength selective laser Patent [NASA-CASE-ERC-10178]	c 16	N71-24832	Heat flux measuring system Patent [NASA-CASE-XFR-03802]	c 33	N71-23085	Doppler frequency spread correction device for multiplex transmissions [NASA-CASE-XGS-02749]	c 07	N69-39978
Optical mirror apparatus Patent [NASA-CASE-ERC-10001]	c 23	N71-24868	Threadless fastener apparatus Patent [NASA-CASE-XFR-05302]	c 15	N71-23254	Alkali-metal silicate protective coating [NASA-CASE-XGS-04119]	c 18	N69-39979
Unsaturating saturable core transformer Patent [NASA-CASE-ERC-10125]	c 09	N71-24893	Traversing probe Patent [NASA-CASE-XFR-02007]	c 12	N71-24692	Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope [NASA-CASE-XGS-01725]	c 14	N69-39982
Leak detector wherein a probe is monitored with ultraviolet radiation Patent [NASA-CASE-ERC-10034]	c 15	N71-24896	Layout tool Patent [NASA-CASE-FRC-10005]	c 15	N71-26145	Light sensitive digital aspect sensor Patent [NASA-CASE-XGS-00359]	c 14	N70-34158
Method for detecting leaks in hermetically sealed containers Patent [NASA-CASE-ERC-10045]	c 15	N71-24910	Pulsed excitation voltage circuit for transducers [NASA-CASE-FRC-10036]	c 09	N72-22200	Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent [NASA-CASE-XGS-00466]	c 21	N70-34297
Satellite aided vehicle avoidance system Patent [NASA-CASE-ERC-10090]	c 21	N71-24948	Acoustical transducer calibrating system and apparatus [NASA-CASE-FRC-10060-1]	c 14	N73-27379	Binary magnetic memory device Patent [NASA-CASE-XGS-00174]	c 08	N70-34743
Transverse piezoresistance and pinch effect electromechanical transducers Patent [NASA-CASE-ERC-10088]	c 26	N71-25490	Three-axis adjustable loading structure [NASA-CASE-FRC-10051-1]	c 35	N74-13129	Full binary adder Patent [NASA-CASE-XGS-00689]	c 08	N70-34787
			Terminal guidance system [NASA-CASE-FRC-10049-1]	c 04	N74-13420	Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent [NASA-CASE-XGS-00381]	c 09	N70-34819
			Full wave modulator-demodulator amplifier apparatus [NASA-CASE-FRC-10072-1]	c 33	N74-14939			
			Rotating raster generator [NASA-CASE-FRC-10071-1]	c 32	N74-20813			

Space and atmospheric reentry vehicle Patent [NASA-CASE-XGS-00260] c 31 N70-37924	Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent [NASA-CASE-XGS-05291] c 23 N71-16341	Complementary regenerative switch Patent [NASA-CASE-XGS-02751] c 09 N71-23015
Variable frequency magnetic multivibrator Patent [NASA-CASE-XGS-00458] c 09 N70-38604	Angular position and velocity sensing apparatus Patent [NASA-CASE-XGS-05680] c 14 N71-17585	Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent [NASA-CASE-XGS-03427] c 10 N71-23029
Switching mechanism with energy storage means Patent [NASA-CASE-XGS-00473] c 03 N70-38713	Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent [NASA-CASE-XGS-03532] c 14 N71-17627	Sidereal frequency generator Patent [NASA-CASE-XGS-02610] c 14 N71-23174
Variable frequency magnetic multivibrator Patent [NASA-CASE-XGS-00131] c 09 N70-38995	Omni-directional anisotropic molecular trap Patent [NASA-CASE-XGS-00783] c 30 N71-17788	Solar cell and circuit array and process for nullifying magnetic fields Patent [NASA-CASE-XGS-03390] c 03 N71-23187
Stretch de-spin mechanism Patent [NASA-CASE-XGS-00619] c 30 N70-40016	Method of making tubes Patent [NASA-CASE-XGS-04175] c 15 N71-18579	Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent [NASA-CASE-XGS-03632] c 09 N71-23311
Folding boom assembly Patent [NASA-CASE-XGS-00938] c 32 N70-41367	Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent [NASA-CASE-XGS-03303] c 08 N71-18595	Sealed electrochemical cell provided with a flexible casing Patent [NASA-CASE-XGS-01513] c 03 N71-23336
Cryogenic connector for vacuum use Patent [NASA-CASE-XGS-02441] c 15 N70-41629	Ripple add and ripple subtract binary counters Patent [NASA-CASE-XGS-04766] c 08 N71-18602	Digitally controlled frequency synthesizer Patent [NASA-CASE-XGS-02317] c 09 N71-23525
Endless tape cartridge Patent [NASA-CASE-XGS-00769] c 14 N70-41647	Computing apparatus Patent [NASA-CASE-XGS-04765] c 08 N71-18693	Radio frequency coaxial high pass filter Patent [NASA-CASE-XGS-01418] c 09 N71-23573
Apparatus for producing three-dimensional recordings of fluorescence spectra Patent [NASA-CASE-XGS-01231] c 14 N70-41676	Stepping motor control circuit Patent [NASA-CASE-GSC-10366-1] c 10 N71-18772	Apparatus for phase stability determination Patent [NASA-CASE-XGS-01118] c 10 N71-23662
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent [NASA-CASE-XGS-02608] c 07 N70-41678	Traffic control system and method Patent [NASA-CASE-GSC-10087-1] c 02 N71-19287	Tape recorder Patent [NASA-CASE-XGS-08259] c 14 N71-23698
Prevention of pressure build-up in electrochemical cells Patent [NASA-CASE-XGS-01419] c 03 N70-41864	Apparatus for measuring current flow Patent [NASA-CASE-XGS-02439] c 14 N71-19431	Balance torque meter Patent [NASA-CASE-XGS-01013] c 14 N71-23725
Variable time constant smoothing circuit Patent [NASA-CASE-XGS-01983] c 10 N70-41964	Synchronous counter Patent [NASA-CASE-XGS-02440] c 08 N71-19432	Mechanical actuator Patent [NASA-CASE-XGS-04548] c 15 N71-24045
Endless tape transport mechanism Patent [NASA-CASE-XGS-01223] c 07 N71-10609	Wide range data compression system Patent [NASA-CASE-XGS-02612] c 08 N71-19435	Selective plating of etched circuits without removing previous plating Patent [NASA-CASE-XGS-03120] c 15 N71-24047
Reversible ring counter employing cascaded single SCR stages Patent [NASA-CASE-XGS-01473] c 09 N71-10673	Apparatus for computing square roots Patent [NASA-CASE-XGS-04768] c 08 N71-19437	Alkali metal silicate protective coating Patent [NASA-CASE-XGS-04799] c 18 N71-24183
Electronic beam switching commutator Patent [NASA-CASE-XGS-01451] c 09 N71-10677	Method and apparatus for battery charge control Patent [NASA-CASE-XGS-05432] c 03 N71-19438	Strain gauge measuring techniques Patent [NASA-CASE-XGS-04478] c 14 N71-24233
Sun tracker with rotatable plane-parallel plate and two photocells Patent [NASA-CASE-XGS-01159] c 21 N71-10678	Stable amplifier having a stable quiescent point Patent [NASA-CASE-XGS-02812] c 09 N71-19466	Electromagnetic polarization systems and methods Patent [NASA-CASE-GSC-10021-1] c 09 N71-24595
Non-magnetic battery case Patent [NASA-CASE-XGS-00886] c 03 N71-11053	Tracking antenna system Patent [NASA-CASE-GSC-10553-1] c 07 N71-19854	Redundant actuating mechanism Patent [NASA-CASE-XGS-08718] c 15 N71-24600
Interconnection of solar cells Patent [NASA-CASE-XGS-01475] c 03 N71-11058	Electrochemical coulometer and method of forming same Patent [NASA-CASE-XGS-05434] c 03 N71-20491	Satellite communication system and method Patent [NASA-CASE-GSC-10118-1] c 07 N71-24621
Frequency shift keyed demodulator Patent [NASA-CASE-XGS-02889] c 07 N71-11282	Display for binary characters Patent [NASA-CASE-XGS-04987] c 08 N71-20571	Programmable telemetry system Patent [NASA-CASE-GSC-10131-1] c 07 N71-24624
Bi-polar phase detector and corrector for split phase PCM data signals Patent [NASA-CASE-XGS-01590] c 07 N71-12392	Amplifier clamping circuit for horizon scanner Patent [NASA-CASE-XGS-01784] c 10 N71-20782	Coulometer and third electrode battery charging circuit Patent [NASA-CASE-GSC-10487-1] c 03 N71-24719
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent [NASA-CASE-XGS-04767] c 08 N71-12494	Diversity receiving system with diversity phase lock Patent [NASA-CASE-XGS-01222] c 10 N71-20841	Electronic scanning of 2-channel monopulse patterns Patent [NASA-CASE-GSC-10299-1] c 09 N71-24804
Position location system and method Patent [NASA-CASE-GSC-10087-2] c 21 N71-13958	Signal detection and tracking apparatus Patent [NASA-CASE-XGS-03502] c 10 N71-20852	Annular slit colloid thruster Patent [NASA-CASE-GSC-10709-1] c 28 N71-25213
Fire resistant coating composition Patent [NASA-CASE-GSC-10072] c 18 N71-14014	Polarization diversity monopulse tracking receiver Patent [NASA-CASE-XGS-03501] c 09 N71-20864	Voltage to frequency converter Patent [NASA-CASE-GSC-10022-1] c 10 N71-25882
Passively regulated water electrolysis rocket engine Patent [NASA-CASE-XGS-08729] c 28 N71-14044	System for recording and reproducing pulse code modulated data Patent [NASA-CASE-XGS-01021] c 08 N71-21042	Direct current motor with stationary armature and field Patent [NASA-CASE-XGS-05290] c 09 N71-25999
Altitude control system Patent [NASA-CASE-XGS-04393] c 21 N71-14159	Satellite appendage tie down cord Patent [NASA-CASE-XGS-02554] c 31 N71-21064	Buck boost voltage regulation circuit Patent [NASA-CASE-GSC-10735-1] c 10 N71-26085
Retrodirective modulator Patent [NASA-CASE-GSC-10062] c 14 N71-15605	Reaction wheel scanner Patent [NASA-CASE-XGS-02629] c 14 N71-21082	Adaptive system and method for signal generation Patent [NASA-CASE-GSC-11367] c 10 N71-26374
Spacecraft attitude detection system by stellar reference Patent [NASA-CASE-XGS-03431] c 21 N71-15642	Nonmagnetic, explosive actuated indexing device Patent [NASA-CASE-XGS-02422] c 15 N71-21529	Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent [NASA-CASE-XGS-04224] c 10 N71-26418
Cartwheel satellite synchronization system Patent [NASA-CASE-XGS-05579] c 31 N71-15676	Bidirectional step torque filter with zero backlash characteristic Patent [NASA-CASE-XGS-04227] c 15 N71-21744	Turn on transient limiter Patent [NASA-CASE-XGS-10413] c 10 N71-26531
Wide range linear fluxgate magnetometer Patent [NASA-CASE-XGS-01587] c 14 N71-15962	Conforming polisher for aspheric surface of revolution Patent [NASA-CASE-XGS-02884] c 15 N71-22705	Voltage regulator with plural parallel power source sections Patent [NASA-CASE-GSC-10891-1] c 10 N71-26626
Low friction magnetic recording tape Patent [NASA-CASE-XGS-00373] c 23 N71-15978	Precision thrust gage Patent [NASA-CASE-XGS-02319] c 14 N71-22965	Method for generating ultra-precise angles Patent [NASA-CASE-XGS-04173] c 19 N71-26674
Method for etching copper Patent [NASA-CASE-XGS-06306] c 17 N71-16044	Sealing device for an electrochemical cell Patent [NASA-CASE-XGS-02630] c 03 N71-22974	Resetttable monostable pulse generator Patent [NASA-CASE-GSC-11139] c 09 N71-27016
Bacteriostatic conformal coating and methods of application Patent [NASA-CASE-GSC-10007] c 18 N71-16046	Rotary bead dropper and selector for testing micrometeorite detectors Patent [NASA-CASE-XGS-03304] c 09 N71-22988	Micro-pound extended range thrust stand Patent [NASA-CASE-GSC-10710-1] c 28 N71-27094
Serrodyne frequency converter re-entrant amplifier system Patent [NASA-CASE-XGS-01022] c 07 N71-16088	Moment of inertia test fixture Patent [NASA-CASE-XGS-01023] c 14 N71-22992	Synchronous dc direct drive system Patent [NASA-CASE-GSC-10065-1] c 10 N71-27136
Position location and data collection system and method Patent [NASA-CASE-GSC-10083-1] c 30 N71-16090	Fluid flow meter with comparator reference means Patent [NASA-CASE-XGS-01331] c 14 N71-22996	Antenna array at focal plane of reflector with coupling network for beam switching Patent [NASA-CASE-GSC-10220-1] c 07 N71-27233
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent [NASA-CASE-XGS-07514] c 23 N71-16099	Foamed in place ceramic refractory insulating material Patent [NASA-CASE-XGS-02435] c 18 N71-22998	Gravity gradient attitude control system Patent [NASA-CASE-GSC-10555-1] c 21 N71-27324
Optical tracker having overlapping reticles on parallel axes Patent [NASA-CASE-XGS-05715] c 23 N71-16100	Digital telemetry system Patent [NASA-CASE-XGS-01812] c 07 N71-23001	Segmented superconducting magnet for a broadband traveling wave maser Patent [NASA-CASE-XGS-10518] c 16 N71-28554
Self-erecting reflector Patent [NASA-CASE-XGS-09190] c 31 N71-16102	Bonded elastomeric seal for electrochemical cells Patent [NASA-CASE-XGS-02631] c 03 N71-23006	Millimeter wave antenna system Patent Application [NASA-CASE-GSC-10949-1] c 07 N71-28965
Dust particle injector for hypervelocity accelerators Patent [NASA-CASE-XGS-06628] c 24 N71-16213	Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent [NASA-CASE-XGS-02607] c 31 N71-23009	Sampled data controller Patent [NASA-CASE-GSC-10554-1] c 08 N71-29033
		Variable digital processor including a register for shifting and rotating bits in either direction Patent [NASA-CASE-GSC-10186] c 08 N71-33110
		Combustion products generating and metering device [NASA-CASE-GSC-11095-1] c 14 N72-10375

- Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
- Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
- Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
- Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
- Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
- Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
- Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
- Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
- Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
- Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489
- Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
- Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
- SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
- Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
- Synchronous orbit battery cycler
[NASA-CASE-GSC-11211-1] c 03 N72-25020
- Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
- Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
- Honeycomb core structures of minimal surface tubule sections
[NASA-CASE-ERC-10363] c 18 N72-25541
- Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
- Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
- Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
- Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
- System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
- Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853
- Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
- Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
- Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
- Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
- Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
- Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
- Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
- Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
- Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
- Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- Method of making porous conductive supports for electrodes
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Radiation hardening of MOS devices by boron
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
- High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850
- Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
- Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
- Passive dual spin misalignment compensators
[NASA-CASE-GSC-11479-1] c 35 N74-28097
- Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
- Structural heat pipe
[NASA-CASE-GSC-11619-1] c 34 N75-12222
- Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Magnetic bearing
[NASA-CASE-GSC-11079-1] c 37 N75-18574
- Dish antenna having switchable beamwidth
[NASA-CASE-GSC-11760-1] c 33 N75-19516
- X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
- Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522
- Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- Low speed phaselock speed control system
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- Radiation hardening of MOS devices by boron
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
- Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
- Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
- Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
- Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
- High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
- Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393
- Variable beamwidth antenna
[NASA-CASE-GSC-11862-1] c 32 N76-18295
- Automatic character skew and spacing checking network
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
- Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
- Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363
- Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
- Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
- Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
- Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
- Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495
- Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
- The 2 deg/90 deg laboratory scattering photometer
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691
- Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

Energy storage apparatus [NASA-CASE-GSC-12030-1] c 44 N78-24608	Apparatus for supplying conditioned air at a substantially constant temperature and humidity [NASA-CASE-GSC-12191-1] c 31 N80-32583	Variable speed drive [NASA-CASE-GSC-12643-1] c 37 N83-26078
Process for utilizing low-cost graphite substrates for polycrystalline solar cells [NASA-CASE-GSC-12022-2] c 44 N78-24609	Belt for transmitting power from a cogged driving member to a cogged driven member [NASA-CASE-GSC-12289-1] c 37 N80-32717	Method for milling and drilling glass [NASA-CASE-GSC-12636-1] c 31 N83-27058
Actuator mechanism [NASA-CASE-GSC-11883-2] c 37 N78-31426	System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station [NASA-CASE-GSC-12411-1] c 33 N81-14221	Rapid, quantitative determination of bacteria in water [NASA-CASE-GSC-12158-1] c 51 N83-27569
Quadrature demodulation [NASA-CASE-GSC-12137-1] c 33 N78-32338	Device for coupling a first vehicle to a second vehicle [NASA-CASE-GSC-12429-1] c 37 N81-14320	Method of damping nutation motion with minimum spin axis attitude disturbance [NASA-CASE-GSC-12551-1] c 18 N83-28064
Logarithmic circuit with wide dynamic range [NASA-CASE-GSC-12145-1] c 33 N78-32339	Safety shield for vacuum/pressure chamber viewing port [NASA-CASE-GSC-12513-1] c 31 N81-19343	Automatic thermal switch [NASA-CASE-GSC-12553-1] c 34 N83-28356
Wide power range microwave feedback controller [NASA-CASE-GSC-12146-1] c 33 N78-32340	Portable appliance security apparatus [NASA-CASE-GSC-12399-1] c 33 N81-25299	Cooling by conversion of para to ortho-hydrogen [NASA-CASE-GSC-12770-1] c 25 N83-29324
Method and apparatus for splitting a beam of energy [NASA-CASE-GSC-12083-1] c 73 N78-32848	Locking mechanism for orthopedic braces [NASA-CASE-GSC-12082-2] c 52 N81-25661	Geodetic distance measuring apparatus [NASA-CASE-GSC-12609-1] c 36 N81-22344
Time domain phase measuring apparatus [NASA-CASE-GSC-12228-1] c 33 N79-10338	Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation [NASA-CASE-GSC-12515-1] c 33 N81-26360	Fluorescent radiator converter [NASA-CASE-GSC-12528-1] c 74 N81-24900
System for and method of freezing biological tissue [NASA-CASE-GSC-12173-1] c 51 N79-10694	Apparatus and method for determining the position of a radiant energy source [NASA-CASE-GSC-12147-1] c 32 N81-27341	Interleaving device [NASA-CASE-GSC-12111-2] c 33 N81-29342
Systems and methods for determining radio frequency interference [NASA-CASE-GSC-12150-1] c 32 N79-11265	Time delay and integration detectors using charge transfer devices [NASA-CASE-GSC-12324-1] c 33 N81-33403	Time delay and integration detectors using charge transfer devices [NASA-CASE-GSC-12111-2] c 33 N81-29342
Complementary DMOS-V MOS integrated circuit structure [NASA-CASE-GSC-12190-1] c 33 N79-12321	Stirling cycle cryogenic cooler [NASA-CASE-GSC-12697-1] c 31 N82-11312	Scanner [NASA-CASE-GSC-12032-2] c 43 N82-13465
Electrically conductive thermal control coatings [NASA-CASE-GSC-12207-1] c 24 N79-14156	External bulb variable volume maser [NASA-CASE-GSC-12334-1] c 36 N79-14362	Microwave switching power divider [NASA-CASE-GSC-12420-1] c 33 N82-16340
Determination of antimicrobial susceptibilities on infected unnes without isolation [NASA-CASE-GSC-12046-1] c 52 N79-14750	Partial polarizer filter [NASA-CASE-GSC-12225-1] c 74 N79-14891	Laser measuring system for incremental assemblies [NASA-CASE-GSC-12321-1] c 36 N82-16396
Thermal compensator for closed-cycle helium refrigerator [NASA-CASE-GSC-12168-1] c 31 N79-17029	Solar cell module assembly jig [NASA-CASE-XGS-00829-1] c 44 N79-19447	Memory-based frame synchronizer [NASA-CASE-GSC-12430-1] c 60 N82-16747
System for synchronizing synthesizers of communication systems [NASA-CASE-GSC-12148-1] c 32 N79-20296	System for synchronizing synthesizers of communication systems [NASA-CASE-GSC-12148-1] c 32 N79-20296	Low thrust monopropellant engine [NASA-CASE-GSC-12194-2] c 20 N82-18314
Rotary electric device [NASA-CASE-GSC-12138-1] c 33 N79-20314	Low intensity X-ray and gamma-ray imaging device [NASA-CASE-GSC-12263-1] c 74 N79-20857	Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer [NASA-CASE-GSC-12081-2] c 52 N82-22875
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide [NASA-CASE-GSC-11577-3] c 24 N79-25143	Microwave dichroic plate [NASA-CASE-GSC-12171-1] c 33 N79-28416	Automatic thermal switch [NASA-CASE-GSC-12415-1] c 33 N82-24419
Shock isolator for operating a diode laser on a closed-cycle refrigerator [NASA-CASE-GSC-12297-1] c 37 N79-28549	Toggle mechanism for pinching metal tubes [NASA-CASE-GSC-12274-1] c 37 N79-28550	Linear magnetic motor/generator [NASA-CASE-GSC-12518-1] c 33 N82-24421
Alkali-metal silicate binders and methods of manufacture [NASA-CASE-GSC-12303-1] c 24 N79-31347	Thermal control canister [NASA-CASE-GSC-12253-1] c 34 N79-31523	Non-contacting power transfer device [NASA-CASE-GSC-12595-1] c 33 N82-24422
Wedge immersed thermistor bolometers [NASA-CASE-XGS-01245-1] c 35 N79-33449	Bakeable McLeod gauge [NASA-CASE-XGS-01293-1] c 35 N79-33450	Inorganic spark chamber frame and method of making the same [NASA-CASE-GSC-12354-1] c 35 N82-24471
Fluid pressure balanced seal [NASA-CASE-XGS-01286-1] c 37 N79-33469	Antenna deployment mechanism for use with a spacecraft [NASA-CASE-GSC-12331-1] c 18 N80-14183	Process of treating cellululosic membrane and alkaline with membrane separator [NASA-CASE-GSC-10019-1] c 44 N82-24641
Antenna deployment mechanism for use with a spacecraft [NASA-CASE-GSC-12331-1] c 18 N80-14183	Laser apparatus [NASA-CASE-GSC-12237-1] c 36 N80-14384	Separator for alkaline batteries and method of making same [NASA-CASE-GSC-10350-1] c 44 N82-24642
Coupling device for moving vehicles [NASA-CASE-GSC-12322-1] c 37 N80-14398	Voltage feed through apparatus having reduced partial discharge [NASA-CASE-GSC-12347-1] c 33 N80-18286	Separator for alkaline electric cells and method of making [NASA-CASE-GSC-10017-1] c 44 N82-24643
Method and apparatus for holding two separate metal pieces together for welding [NASA-CASE-GSC-12318-1] c 37 N80-23655	Distributed-switch Dicke radiometers [NASA-CASE-GSC-12219-1] c 35 N80-18359	Separator for alkaline electric batteries and method of making [NASA-CASE-GSC-10018-1] c 44 N82-24644
Method of forming a sharp edge on an optical device [NASA-CASE-GSC-12348-1] c 74 N80-24149	Method and apparatus for slicing crystals [NASA-CASE-GSC-12291-1] c 76 N80-18951	Alkaline electrochemical cells and method of making [NASA-CASE-GSC-10349-1] c 44 N82-24645
JFET oscillator [NASA-CASE-GSC-12555-1] c 33 N80-26601	Diffraction grating configuration for X-ray and ultraviolet focusing [NASA-CASE-GSC-12357-1] c 74 N80-21140	Aqueous alkali metal hydroxide insoluble cellulose ether membrane [NASA-CASE-XGS-05584-1] c 25 N82-29370
Scannable beam forming interferometer antenna array system [NASA-CASE-GSC-12365-1] c 32 N80-28578	Active nutation controller [NASA-CASE-GSC-12273-1] c 35 N80-21719	Implantable electrical device [NASA-CASE-GSC-12560-1] c 52 N82-29863
	Method and apparatus for holding two separate metal pieces together for welding [NASA-CASE-GSC-12318-1] c 37 N80-23655	Low intensity X-ray and gamma-ray spectrometer [NASA-CASE-GSC-12587-1] c 35 N82-32659
	Method of forming a sharp edge on an optical device [NASA-CASE-GSC-12348-1] c 74 N80-24149	Crystal cleaving machine [NASA-CASE-GSC-12584-1] c 37 N82-32730
	JFET oscillator [NASA-CASE-GSC-12555-1] c 33 N80-26601	Multiprism collimator [NASA-CASE-GSC-12608-1] c 74 N83-10900
	Scannable beam forming interferometer antenna array system [NASA-CASE-GSC-12365-1] c 32 N80-28578	Reciprocating linear motor [NASA-CASE-GSC-12773-1] c 33 N83-12332
		Integrated photo-responsive metal oxide semiconductor circuit [NASA-CASE-GSC-12782-1] c 33 N83-13360
		Optical distance measuring instrument [US-PATENT-APPL-SN-406820] c 74 N83-13982
		Temperature averaging thermal probe [NASA-CASE-GSC-12795-1] c 35 N83-20085
		Massively parallel processor computer [NASA-CASE-GSC-12223-1] c 60 N83-25378
		Apparatus for and method of compensating dynamic unbalance [NASA-CASE-GSC-12550-1] c 37 N84-28082
		Workpiece positioning vise [NASA-CASE-GSC-12762-1] c 37 N84-28083
		Memory-based parallel data output controller [NASA-CASE-GSC-12447-2] c 60 N84-28491
		Rotatable electric cable connecting system [NASA-CASE-GSC-12899-1] c 33 N84-29085
		Imaging X-ray spectrometer [NASA-CASE-GSC-12682-1] c 35 N84-33765
		Apparatus for disintegrating kidney stones [NASA-CASE-GSC-12652-1] c 52 N84-34913
		Improved legislated emergency locating transmitters and emergency position indicating radio beacons [NASA-CASE-GSC-12892-1] c 32 N85-20226
		Portable pallet weighing apparatus [NASA-CASE-GSC-12789-1] c 35 N85-20294
		Linear magnetic bearings [NASA-CASE-GSC-12582-2] c 37 N85-20337
		Wide-angle flat field telescope [NASA-CASE-GSC-12825-1] c 74 N85-20868

Method and apparatus for mapping the distribution of chemical elements in an extended medium [NASA-CASE-GSC-12808-1]	c 25	N85-21279	Emergency escape system Patent [NASA-CASE-MSC-12086-1]	c 05	N71-12345	Ion-exchange membrane with platinum electrode assembly Patent [NASA-CASE-XMS-02063]	c 03	N71-29044
Magnetically actuated compressor [NASA-CASE-GSC-12799-1]	c 31	N85-21404	Dynamic Doppler simulator Patent [NASA-CASE-XMS-05454-1]	c 07	N71-12391	Color television system [NASA-CASE-MSC-12146-1]	c 07	N72-17109
Method of and apparatus for measuring temperature and pressure [NASA-CASE-GSC-12558-1]	c 36	N85-21639	Electrical load protection device Patent [NASA-CASE-MSC-12135-1]	c 09	N71-12526	Current dependent filter inductance [NASA-CASE-ERC-10139]	c 09	N72-17154
Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture [NASA-CASE-GSC-12883-1]	c 27	N85-29044	High voltage pulse generator Patent [NASA-CASE-MSC-12178-1]	c 09	N71-13518	Low onset rate energy absorber [NASA-CASE-MSC-12279]	c 15	N72-17450
Reactanceless synthesized impedance bandpass amplifier [NASA-CASE-GSC-12788-1]	c 33	N85-29145	Process for conditioning tanned sharkskin and articles made therefrom Patent [NASA-CASE-XMS-09691-1]	c 18	N71-15545	Stand-off type ablative heat shield [NASA-CASE-MSC-12143-1]	c 33	N72-17947
High voltage isolation transformer [NASA-CASE-GSC-12817-1]	c 33	N85-29146	Ablation structures Patent [NASA-CASE-XMS-01816]	c 33	N71-15623	Optical range finder having nonoverlapping complete images [NASA-CASE-MSC-12105-1]	c 14	N72-21409
High voltage power supply [NASA-CASE-GSC-12818-1]	c 33	N85-29147	Fluid power transmission Patent [NASA-CASE-XMS-01445]	c 12	N71-16031	Open type urine receptacle [NASA-CASE-MSC-12324-1]	c 05	N72-22093
Temperature sensitive oscillator [NASA-CASE-GSC-12958-1]	c 33	N85-30201	Spacecraft radiator cover Patent [NASA-CASE-MSC-12049]	c 31	N71-16080	Family of frequency to amplitude converters [NASA-CASE-MSC-12395]	c 09	N72-25257
Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects [NASA-CASE-GSC-12851-1]	c 35	N85-30281	Method of improving heat transfer characteristics in a nucleate boiling process Patent [NASA-CASE-XMS-04268]	c 33	N71-16277	Foldable construction block [NASA-CASE-MSC-12233-1]	c 15	N72-25454
National Aeronautics and Space Administration.			Heated element fluid flow sensor Patent [NASA-CASE-MSC-12084-1]	c 12	N71-17569	Method and apparatus for detecting surface ions on silicon diodes and transistors [NASA-CASE-ERC-10325]	c 15	N72-25457
Johnson (Lyndon B.) Space Center,			Biological isolation garment Patent [NASA-CASE-MSC-12206-1]	c 05	N71-17599	Scientific experiment flexible mount [NASA-CASE-MSC-12372-1]	c 31	N72-25842
Coupling device			Metal valve pinile with encapsulated elastomeric body Patent [NASA-CASE-MSC-12116-1]	c 15	N71-17648	Burn rate testing apparatus [NASA-CASE-XMS-09690]	c 33	N72-25913
Flow test device			Method for forming plastic materials Patent [NASA-CASE-XMS-05516]	c 15	N71-17803	System for improving signal-to-noise ratio of a communication signal [NASA-CASE-MSC-12259-2]	c 07	N72-33146
Visual target for retrofire attitude control			Flexible blade antenna Patent [NASA-CASE-MSC-12101]	c 09	N71-18720	Altitude measuring system [NASA-CASE-ERC-10412-1]	c 09	N73-12211
System for monitoring signal amplitude ranges			Space suit heat exchanger Patent [NASA-CASE-XMS-09571]	c 05	N71-19439	A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth [NASA-CASE-MSC-12391]	c 30	N73-12884
Amplifier drift tester			Light intensity modulator controller Patent [NASA-CASE-XMS-04300]	c 09	N71-19479	Multispectral imaging system [NASA-CASE-MSC-12404-1]	c 23	N73-13661
System for improving signal-to-noise ratio of a communication signal Patent Application			Solar optical telescope dome control system Patent [NASA-CASE-MSC-10966]	c 14	N71-19568	Foldable construction block [NASA-CASE-MSC-12233-2]	c 32	N73-13921
Two-step rocket engine bipropellant valve Patent			Subgravity simulator Patent [NASA-CASE-XMS-04798]	c 11	N71-21474	Space shuttle vehicle and system [NASA-CASE-MSC-12433]	c 31	N73-14854
Heat shield Patent			Shock absorber Patent [NASA-CASE-XMS-03722]	c 15	N71-21530	Apparatus for statistical time-series analysis of electrical signals [NASA-CASE-MSC-12428-1]	c 10	N73-25240
Life raft Patent			Apparatus for machining geometric cones Patent [NASA-CASE-XMS-04292]	c 15	N71-22722	Life raft stabilizer [NASA-CASE-MSC-12393-1]	c 02	N73-26006
Shock absorbing support and restraint means Patent			Rescue litter flotation assembly Patent [NASA-CASE-XMS-04170]	c 05	N71-22748	On-film optical recording of camera lens settings [NASA-CASE-MSC-12363-1]	c 14	N73-26431
Energy absorbing structure Patent Application			Aligning and positioning device Patent [NASA-CASE-XMS-04178]	c 15	N71-22798	Powerplexer [NASA-CASE-MSC-12396-1]	c 03	N73-31988
Bonded solid lubricant coating Patent			Tension measurement device Patent [NASA-CASE-XMS-04545]	c 15	N71-22878	Foot pedal operated fluid type exercising device [NASA-CASE-MSC-11561-1]	c 05	N73-32014
Life preserver Patent			Amplitude modulated laser transmitter Patent [NASA-CASE-XMS-04269]	c 16	N71-22895	Digital to analog conversion apparatus [NASA-CASE-MSC-12458-1]	c 08	N73-32081
Resuscitation apparatus Patent			Digital cardiachometer system Patent [NASA-CASE-XMS-02399]	c 05	N71-22896	Solid state controller three axes controller [NASA-CASE-MSC-12394-1]	c 08	N74-10942
Energy absorbing structure Patent Application			Phonocardiograph transducer Patent [NASA-CASE-XMS-05365]	c 14	N71-22993	Method for obtaining oxygen from lunar or similar soil [NASA-CASE-MSC-12408-1]	c 46	N74-13011
Inflatable radar reflector unit Patent			Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent [NASA-CASE-XMS-02930]	c 11	N71-23042	Adaptive voting computer system [NASA-CASE-MSC-13932-1]	c 62	N74-14920
Measuring device Patent			Soft frame adjustable eyeglasses Patent [NASA-CASE-XMS-06064]	c 05	N71-23096	Phase protection system for ac power lines [NASA-CASE-MSC-17832-1]	c 33	N74-14956
Liquid-gas separator for zero gravity environment Patent			Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent [NASA-CASE-XMS-06061]	c 05	N71-23317	Optical instruments [NASA-CASE-MSC-14096-1]	c 74	N74-15095
Instrument for use in performing a controlled Valsalva maneuver Patent			Signal ratio system utilizing voltage controlled oscillators Patent [NASA-CASE-XMF-04367]	c 09	N71-23545	Multifunction audio digitizer [NASA-CASE-MSC-13855-1]	c 35	N74-17885
Radial module space station Patent			Winch having cable position and load indicators Patent [NASA-CASE-MSC-12052-1]	c 15	N71-24599	Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient [NASA-CASE-ERC-10073-1]	c 24	N74-19769
Hypersonic reentry vehicle Patent			Radar antenna system for acquisition and tracking Patent [NASA-CASE-XMS-09610]	c 07	N71-24625	Pulse code modulated signal synchronizer [NASA-CASE-MSC-12462-1]	c 32	N74-20809
Angular accelerometer Patent			Extravehicular tunnel suit system Patent [NASA-CASE-MSC-12243-1]	c 05	N71-24728	Pulse code modulated signal synchronizer [NASA-CASE-MSC-12494-1]	c 32	N74-20810
Indexed keyed connection Patent			Broadband modified turnstile antenna Patent [NASA-CASE-MSC-12209]	c 09	N71-24842	Apparatus and method for processing Korotkov sounds [NASA-CASE-MSC-13999-1]	c 52	N74-26626
Discrete local altitude sensing device Patent			Quick release hook tape Patent [NASA-CASE-XMS-10660-1]	c 15	N71-25975	Differential phase shift keyed communication system [NASA-CASE-MSC-14065-1]	c 32	N74-26654
Instrument for use in performing a controlled Valsalva maneuver Patent			Plated electrodes Patent [NASA-CASE-XMS-04213-1]	c 09	N71-26002	Technique for recovery of voice data from heat damaged magnetic tape [NASA-CASE-MSC-14219-1]	c 32	N74-27612
Radial module space station Patent			Audio signal processor Patent [NASA-CASE-MSC-12223-1]	c 07	N71-26181	Differential phase shift keyed signal resolver [NASA-CASE-MSC-14066-1]	c 33	N74-27705
Hypersonic reentry vehicle Patent			Fabric for micrometeoroid protection garment Patent [NASA-CASE-MSC-12109]	c 18	N71-26285	Specific wavelength colorimeter [NASA-CASE-MSC-14081-1]	c 35	N74-27860
Angular accelerometer Patent			Antenna array phase quadrature tracking system Patent [NASA-CASE-MSC-12205-1]	c 07	N71-27056	Latch mechanism [NASA-CASE-MSC-12549-1]	c 37	N74-27903
Indexed keyed connection Patent			Radiometric temperature reference Patent [NASA-CASE-MSC-13276-1]	c 14	N71-27058	Digital communication system [NASA-CASE-MSC-13912-1]	c 32	N74-30524
Discrete local altitude sensing device Patent			Pneumatic amplifier Patent [NASA-CASE-MSC-12121-1]	c 15	N71-27147	Flexible joint for pressurizable garment [NASA-CASE-MSC-11072]	c 54	N74-32546
Instrument for use in performing a controlled Valsalva maneuver Patent			Orbital escape device Patent [NASA-CASE-XMS-06162]	c 31	N71-28851	Method and apparatus for decoding compatible convolutional codes [NASA-CASE-MSC-14070-1]	c 32	N74-32598
Radial module space station Patent			Inflatable tether Patent [NASA-CASE-XMS-10993]	c 15	N71-28936	Pulse stretcher for narrow pulses [NASA-CASE-MSC-14130-1]	c 33	N74-32711

Method and device for detection of surface discontinuities or defects [NASA-CASE-MSC-14187-1]	c 35	N74-32879	Method and system for in vivo measurement of bone tissue using a two level energy source [NASA-CASE-MSC-14276-1]	c 52	N77-14737	Simultaneous treatment of SO ₂ containing stack gases and waste water [NASA-CASE-MSC-16258-1]	c 45	N79-12584
Anti-fog composition [NASA-CASE-MSC-13530-2]	c 23	N75-14834	Analysis of volatile organic compounds [NASA-CASE-MSC-14428-1]	c 23	N77-17161	Length mode piezoelectric ultrasonic transducer for inspection of solid objects [NASA-CASE-MSC-19672-1]	c 38	N79-14398
Four phase logic systems [NASA-CASE-MSC-14240-1]	c 33	N75-14957	System for producing chroma signals [NASA-CASE-MSC-14683-1]	c 74	N77-18893	Interactive color display for multispectral imagery using correlation clustering [NASA-CASE-MSC-16253-1]	c 32	N79-20297
Peak holding circuit for extremely narrow pulses [NASA-CASE-MSC-14129-1]	c 33	N75-18479	Fluid mass sensor for a zero gravity environment [NASA-CASE-MSC-14653-1]	c 35	N77-19385	Sequencing device utilizing planetary gear set [NASA-CASE-MSC-19514-1]	c 37	N79-20377
Random pulse generator [NASA-CASE-MSC-14131-1]	c 33	N75-19515	Mechanical sequencer [NASA-CASE-MSC-19536-1]	c 37	N77-22482	Water separator [NASA-CASE-XMS-01295-1]	c 37	N79-21345
Grain refinement control in TIG arc welding [NASA-CASE-MSC-19095-1]	c 37	N75-19683	Unbalanced quadphase demodulator [NASA-CASE-MSC-14840-1]	c 32	N77-24331	Metabolic rate meter and method [NASA-CASE-MSC-12239-1]	c 52	N79-21750
Condensate removal device for heat exchanger [NASA-CASE-MSC-14143-1]	c 77	N75-20139	Open loop digital frequency multiplier [NASA-CASE-MSC-12709-1]	c 33	N77-24375	Fluid sample collection and distribution system [NASA-CASE-MSC-16841-1]	c 34	N79-24285
Television noise reduction device [NASA-CASE-MSC-12607-1]	c 32	N75-21485	Platinum resistance thermometer circuit [NASA-CASE-MSC-12327-1]	c 35	N77-27368	Thermal insulation protection means [NASA-CASE-MSC-12737-1]	c 24	N79-25142
Digital transmitter for data bus communications system [NASA-CASE-MSC-14558-1]	c 32	N75-21486	Surface finishing [NASA-CASE-MSC-12631-1]	c 24	N77-28225	System for automatically switching transformer coupled lines [NASA-CASE-MSC-16697-1]	c 33	N79-28415
Insulated electrocardiographic electrodes [NASA-CASE-MSC-14339-1]	c 05	N75-24716	Pressure modulating valve [NASA-CASE-MSC-14905-1]	c 37	N77-28487	Fused switch [NASA-CASE-XMS-01244-1]	c 33	N79-33393
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system [NASA-CASE-MSC-14245-1]	c 18	N75-27041	Snap-in compressible biomedical electrode [NASA-CASE-MSC-14623-1]	c 52	N77-28717	Chassis unit insert tightening-extract device [NASA-CASE-MSC-01077-1]	c 37	N79-33467
Multiple circuit protector device [NASA-CASE-XMS-02744]	c 33	N75-27249	Load regulating latch [NASA-CASE-MSC-19535-1]	c 37	N77-32499	Compound oxidized styrylphosphine [NASA-CASE-MSC-14903-2]	c 27	N80-10358
Apparatus for welding sheet material [NASA-CASE-XMS-01330]	c 37	N75-27376	Regenerable device for scrubbing breathable air of CO ₂ and moisture without special heat exchanger equipment [NASA-CASE-MSC-14771-1]	c 54	N77-32722	Portable breathing system [NASA-CASE-MSC-16182-1]	c 54	N80-10799
Multiparameter vision testing apparatus [NASA-CASE-MSC-13601-2]	c 54	N75-27759	Process of forming catalytic surfaces for wet oxidation reactions [NASA-CASE-MSC-14831-1]	c 25	N78-10225	Method and apparatus for eliminating luminol interference material [NASA-CASE-MSC-16260-1]	c 51	N80-16714
Thrust measurement [NASA-CASE-XMS-05731]	c 35	N75-29382	Hearing aid malfunction detection system [NASA-CASE-MSC-14916-1]	c 33	N78-10375	Pressure limiting propellant actuating system [NASA-CASE-MSC-18179-1]	c 20	N80-18097
Fault tolerant clock apparatus utilizing a controlled minority of clock elements [NASA-CASE-MSC-12531-1]	c 35	N75-30504	Gas compression apparatus [NASA-CASE-MSC-14757-1]	c 35	N78-10428	Method of forming dynamic membrane on stainless steel support [NASA-CASE-MSC-18172-1]	c 26	N80-19237
Filter regeneration systems [NASA-CASE-MSC-14273-1]	c 34	N75-33342	Low gravity phase separator [NASA-CASE-MSC-14773-1]	c 35	N78-12390	Floating nut retention system [NASA-CASE-MSC-16938-1]	c 37	N80-23653
Spacecraft docking and alignment system [NASA-CASE-MSC-12559-1]	c 18	N76-14186	Iodine generator for reclaimed water purification [NASA-CASE-MSC-14632-1]	c 54	N78-14784	Heat resistant polymers of oxidized styrylphosphine [NASA-CASE-MSC-14903-3]	c 27	N80-24438
Reconstituted asbestos matrix [NASA-CASE-MSC-12568-1]	c 24	N76-14204	Flame retardant spandex type polyurethanes [NASA-CASE-MSC-14331-2]	c 27	N78-17213	Vitro-violet process for producing flame resistant polyamides and products produced thereby [NASA-CASE-MSC-16074-1]	c 27	N80-26446
Strain arrester plate for fused silica tile [NASA-CASE-MSC-14182-1]	c 27	N76-14264	Temperature compensated current source [NASA-CASE-MSC-11235]	c 33	N78-17294	Method and automated apparatus for detecting coliform organisms [NASA-CASE-MSC-16777-1]	c 51	N80-27067
Medical subject monitoring systems [NASA-CASE-MSC-14180-1]	c 52	N76-14757	Microbalance [NASA-CASE-MSC-11242]	c 35	N78-17358	Multiple band circularly polarized microstrip antenna [NASA-CASE-MSC-18334-1]	c 32	N80-32604
Automatic bio-waste sampling [NASA-CASE-MSC-14640-1]	c 54	N76-14804	Adjustable securing base [NASA-CASE-MSC-19666-1]	c 37	N78-17383	Multispectral scanner optical system [NASA-CASE-MSC-18255-1]	c 74	N80-33210
Method for manufacturing mirrors in zero gravity environment [NASA-CASE-MSC-12611-1]	c 12	N76-15189	Restraining mechanism [NASA-CASE-MSC-13054]	c 54	N78-17677	Surface finishing [NASA-CASE-MSC-12631-3]	c 27	N81-14077
Cosmic dust analyzer [NASA-CASE-MSC-13802-2]	c 35	N76-15431	Helmet latching and attaching ring [NASA-CASE-XMS-04670]	c 54	N78-17678	Coaxial phased array antenna [NASA-CASE-MSC-16800-1]	c 32	N81-14187
Low distortion receiver for bi-level baseband PCM waveforms [NASA-CASE-MSC-14557-1]	c 32	N76-16249	Protective garment ventilation system [NASA-CASE-XMS-04928]	c 54	N78-17679	Installing fiber insulation [NASA-CASE-MSC-16973-1]	c 37	N81-14317
Frequency measurement by coincidence detection with standard frequency [NASA-CASE-MSC-14649-1]	c 33	N76-16331	Helmet feedport [NASA-CASE-XMS-09653]	c 54	N78-17680	Pseudonoise code tracking loop [NASA-CASE-MSC-18035-1]	c 32	N81-15179
Space vehicle system [NASA-CASE-MSC-12561-1]	c 18	N76-17185	Optical conversion method [NASA-CASE-MSC-12618-1]	c 74	N78-17865	Thermal barrier pressure seal [NASA-CASE-MSC-18134-1]	c 37	N81-15363
Method of fluxless brazing and diffusion bonding of aluminum containing components [NASA-CASE-MSC-14435-1]	c 37	N76-18455	Emergency space-suit helmet [NASA-CASE-MSC-10954-1]	c 54	N78-18761	Digital numerically controlled oscillator [NASA-CASE-MSC-16747-1]	c 33	N81-17349
Auger attachment method for insulation [NASA-CASE-MSC-12615-1]	c 37	N76-19437	Method of producing complex aluminum alloy parts of high temper. and products thereof [NASA-CASE-MSC-19693-1]	c 26	N78-24333	Self-calibrating threshold detector [NASA-CASE-MSC-16370-1]	c 35	N81-19427
Position determination systems [NASA-CASE-MSC-12593-1]	c 17	N76-21250	Stator rotor tools [NASA-CASE-MSC-16000-1]	c 37	N78-24544	Cell and method for electrolysis of water and anode [NASA-CASE-MSC-16394-1]	c 28	N81-24280
Two-component ceramic coating for silica insulation [NASA-CASE-MSC-14270-1]	c 27	N76-22377	Flexible pile thermal barrier insulator [NASA-CASE-MSC-19568-1]	c 34	N78-25350	Urine collection device [NASA-CASE-MSC-16433-1]	c 52	N81-24711
Three-component ceramic coating for silica insulation [NASA-CASE-MSC-14270-2]	c 27	N76-23426	Fluid valve assembly [NASA-CASE-MSC-12731-1]	c 37	N78-25426	Apparatus for fiber optic liquid level sensing [NASA-CASE-MSC-18674-1]	c 74	N81-24907
Binary concatenated coding system [NASA-CASE-MSC-14082-1]	c 60	N76-23850	Variable contour securing system [NASA-CASE-MSC-16270-1]	c 37	N78-27423	Method for applying photographic resists to otherwise incompatible substrates [NASA-CASE-MSC-18107-1]	c 27	N81-25209
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant [NASA-CASE-MSC-14331-1]	c 27	N76-24405	Urne collection device [NASA-CASE-MSC-16433-1]	c 52	N78-27750	Structural members, method and apparatus [NASA-CASE-MSC-16217-1]	c 31	N81-27323
Self-contained breathing apparatus [NASA-CASE-MSC-14733-1]	c 54	N76-24900	Multi-purpose wind tunnel reaction control model block [NASA-CASE-MSC-19706-1]	c 09	N78-31129	Shielded conductor cable system [NASA-CASE-MSC-12745-1]	c 33	N81-27397
Sun angle calculator [NASA-CASE-MSC-12617-1]	c 35	N76-29552	Heat resistant polymers of oxidized styrylphosphine [NASA-CASE-MSC-14903-1]	c 27	N78-32256	Urine collection apparatus [NASA-CASE-MSC-18381-1]	c 52	N81-28740
Meteoroid capture cell construction [NASA-CASE-MSC-12423-1]	c 91	N76-30131	Condition sensor system and method [NASA-CASE-MSC-14805-1]	c 54	N78-32720	Reciprocating engines [NASA-CASE-MSC-16239-1]	c 37	N81-32510
Flanged major modular assembly jig [NASA-CASE-MSC-19372-1]	c 39	N76-31562	Bit error rate measurement above and below bit rate tracking threshold [NASA-CASE-MSC-12743-1]	c 32	N79-10263	Cavity-backed, micro-strip dipole antenna array [NASA-CASE-MSC-18606-1]	c 32	N82-11336
Optical noise suppression device and method [NASA-CASE-MSC-12640-1]	c 74	N76-31998	Phased array antenna control [NASA-CASE-MSC-14939-1]	c 32	N79-11264	Low temperature latching solenoid [NASA-CASE-MSC-18106-1]	c 33	N82-11357
Optical process for producing classification maps from multispectral data [NASA-CASE-MSC-14472-1]	c 43	N77-10584	Apparatus and method for stabilized phase detection for binary signal tracking loops [NASA-CASE-MSC-16461-1]	c 33	N79-11313	Logic-controlled occlusive cuff system [NASA-CASE-MSC-14836-1]	c 52	N82-11770
Window defect planar mapping technique [NASA-CASE-MSC-19442-1]	c 74	N77-10899	Positive isolation disconnect [NASA-CASE-MSC-16043-1]	c 37	N79-11402	Electrophotolysis oxidation system for measurement of organic concentration in water [NASA-CASE-MSC-16497-1]	c 25	N82-12166
Differential pulse code modulation [NASA-CASE-MSC-12506-1]	c 32	N77-12239	Thermal insulation attaching means [NASA-CASE-MSC-12619-2]	c 27	N79-12221	Heat sealable, flame and abrasion resistant coated fabric [NASA-CASE-MSC-18382-1]	c 27	N82-16238
			Lightweight electrically-powered flexible thermal laminate [NASA-CASE-MSC-12662-1]	c 33	N79-12331			

Surface conforming thermal/pressure seal [NASA-CASE-MSC-18422-1]	c 37	N82-16408	Method and apparatus for receiving and tracking phase modulated signals [NASA-CASE-MSC-16170-2]	c 32	N84-27952	Protective suit having an audio transceiver Patent [NASA-CASE-KSC-10164]	c 07	N71-33108
Direct current ballast circuit for metal halide lamp [NASA-CASE-MSC-18407-1]	c 33	N82-24427	Heat resistant protective hand covering [NASA-CASE-MSC-20261-1]	c 54	N84-28484	Ripple indicator [NASA-CASE-KSC-10162]	c 09	N72-11225
Precision heat forming of tetrafluoroethylene tubing [NASA-CASE-MSC-18430-1]	c 37	N82-24491	Digital interface for bi-directional communication between a computer and a peripheral device [NASA-CASE-MSC-20258-1]	c 60	N84-28492	High speed photo-optical time recording [NASA-CASE-KSC-10294]	c 14	N72-18411
High temperature penetrator assembly with bayonet plug and ramp-activated lock [NASA-CASE-MSC-18526-1]	c 37	N82-24494	Foldable self-erecting joint [NASA-CASE-MSC-20635-1]	c 18	N84-32424	High speed direct binary-to-binary coded decimal converter [NASA-CASE-KSC-10326]	c 08	N72-21197
A method and technique for installing light-weight fragile, high-temperature fiber insulation [NASA-CASE-MSC-18934-3]	c 24	N82-26387	Multi-leg heat pipe evaporator [NASA-CASE-MSC-20812-1]	c 34	N84-32748	Automatic frequency control loop including synchronous switching circuits [NASA-CASE-KSC-10393]	c 09	N72-21247
Thermal protection system [NASA-CASE-MSC-18796-1]	c 24	N82-26389	Processing circuit with asymmetry corrector and convolutional encoder for digital data [NASA-CASE-MSC-20187-1]	c 33	N85-20249	Zero gravity shadow shield aligner [NASA-CASE-KSC-10622-1]	c 31	N72-21893
High temperature emittance coatings and coating compositions [NASA-CASE-MSC-18851-1]	c 27	N82-26460	Solid sorbent air sampler [NASA-CASE-MSC-20653-1]	c 35	N85-20301	Universal environment package with sectional component housing [NASA-CASE-KSC-10031]	c 15	N72-22486
Open ended tubing cutters [NASA-CASE-MSC-18538-1]	c 37	N82-26672	Slow opening valve [NASA-CASE-MSC-20112-1]	c 37	N85-20338	Buffered analog converter [NASA-CASE-KSC-10397]	c 08	N72-25206
Reusable captive blind fastener [NASA-CASE-MSC-18742-1]	c 37	N82-26673	Television camera video level control system [NASA-CASE-MSC-18578-1]	c 32	N85-21427	Lamp modulator [NASA-CASE-KSC-10565]	c 09	N72-25250
Spiral slotted phased antenna array [NASA-CASE-MSC-18532-1]	c 32	N82-27558	Self-charging metering and dispensing device for fluids [NASA-CASE-MSC-20275-1]	c 35	N85-21595	Cable stabilizer for open shaft cable operated elevators [NASA-CASE-KSC-10513]	c 15	N72-25453
Thermal garment [NASA-CASE-XMS-03694-1]	c 54	N82-29002	Connection system [NASA-CASE-MSC-20319-1]	c 37	N85-21649	Pressurized lighting system [NASA-CASE-KSC-10644]	c 09	N72-27227
Reconfiguring redundancy management [NASA-CASE-MSC-18498-1]	c 60	N82-29013	Monogroove heat pipe design. Insulated liquid channel with bridging wick [NASA-CASE-MSC-20497-1]	c 34	N85-29180	High speed direct binary to binary coded decimal converter and scaler [NASA-CASE-KSC-10595]	c 08	N73-12176
Absorbent product to absorb fluids [NASA-CASE-MSC-18223-3]	c 24	N82-29362	Moisture content and gas sampling device [NASA-CASE-MSC-18866-1]	c 35	N85-29213	Geysering inhibitor for vertical cryogenic transfer pipe [NASA-CASE-KSC-10615]	c 15	N73-12486
Attachment system for silica tiles [NASA-CASE-MSC-18741-1]	c 27	N82-29456	Low gravity exothermic heating/cooling apparatus [NASA-CASE-MSC-25707-1]	c 35	N85-29214	Electronic video editor [NASA-CASE-KSC-10003]	c 10	N73-13235
Optical crystal temperature gauge with fiber optic connections [NASA-CASE-MSC-18627-1]	c 74	N82-30071	Spray applicator for spraying coatings and other fluids in space [NASA-CASE-MSC-18852-1]	c 37	N85-29283	Collapsible high gain antenna [NASA-CASE-KSC-10392]	c 07	N73-26117
Random digital encryption secure communication system [NASA-CASE-MSC-16462-1]	c 32	N82-31583	Linear motion valve [NASA-CASE-MSC-20148-1]	c 37	N85-29284	Floating baffle to improve efficiency of liquid transfer from tanks [NASA-CASE-KSC-10639]	c 15	N73-26472
CAM controlled retractable door latch [NASA-CASE-MSC-20304-1]	c 37	N82-31690	Light transmitting window assembly [NASA-CASE-MSC-18417-1]	c 74	N85-29750	Zero gravity liquid transfer screen [NASA-CASE-KSC-10626]	c 14	N73-27378
Densification of porous refractory substrates [NASA-CASE-MSC-18737-1]	c 24	N83-13171	Slide release mechanism [NASA-CASE-MSC-20080-1]	c 37	N85-30334	Television multiplexing system [NASA-CASE-KSC-10654-1]	c 07	N73-30115
Method of repairing surface damage to porous refractory substrates [NASA-CASE-MSC-18736-1]	c 24	N83-13172	Liquid crystal light valve structures [NASA-CASE-MSC-20036-1]	c 76	N85-33826	Lightning tracking system [NASA-CASE-KSC-10729-1]	c 09	N73-32110
Gas-to-hydraulic power converter [NASA-CASE-MSC-18794-1]	c 44	N83-14693	Reactant pressure differential control for fuel cell gases [NASA-CASE-MSC-20127-2]	c 37	N85-34403	Rocket borne instrument to measure electric fields inside electrified clouds [NASA-CASE-KSC-10730-1]	c 14	N73-32318
X-ray determination of parts alignment [NASA-CASE-MSC-20418-1]	c 37	N83-17882	National Aeronautics and Space Administration, Kennedy (John F.) Space Center, Cocoa Beach, Fla. Device for determining the accuracy of the flare on a flared tube [NASA-CASE-XKS-03495]	c 14	N69-39785	Electric field measuring and display system [NASA-CASE-KSC-10731-1]	c 33	N74-27862
High temperature silicon carbide impregnated insulating fabrics [NASA-CASE-MSC-18832-1]	c 27	N83-18908	Quick attach and release fluid coupling assembly Patent [NASA-CASE-XKS-01985]	c 15	N71-10782	Digital servo controller [NASA-CASE-KSC-10769-1]	c 33	N74-29556
Kinesimatic method and apparatus [NASA-CASE-MSC-18929-1]	c 39	N83-20280	<i>Parasitic probe antenna Patent</i> [NASA-CASE-XKS-09348]	c 09	N71-13521	Signal conditioner test set [NASA-CASE-KSC-10750-1]	c 35	N75-12270
Compression test apparatus [NASA-CASE-MSC-18723-1]	c 35	N83-21312	Electronic checkout system for space vehicles Patent [NASA-CASE-XKS-08012-2]	c 31	N71-15566	Variable resistance constant tension and lubrication device [NASA-CASE-KSC-10723-1]	c 37	N75-13265
Bio-medical flow sensor [NASA-CASE-MSC-18761-1]	c 52	N83-27577	Apparatus for tensile testing Patent [NASA-CASE-XKS-06250]	c 14	N71-15600	Voltage monitoring system [NASA-CASE-KSC-10736-1]	c 33	N75-19521
Apparatus for determining changes in limb volume [NASA-CASE-MSC-18759-1]	c 52	N83-27578	Weatherproof helix antenna Patent [NASA-CASE-XKS-08485]	c 07	N71-19493	Lightning current measuring systems [NASA-CASE-KSC-10807-1]	c 33	N75-26246
A spillage detector for liquid chromatography systems [NASA-CASE-MSC-20206-1]	c 25	N83-29325	Valve seat with resilient support member Patent [NASA-CASE-XKS-02582]	c 15	N71-21234	Dual digital video switcher [NASA-CASE-KSC-10782-1]	c 33	N75-30431
Degassifying and mixing apparatus for liquids [NASA-CASE-MSC-18936-1]	c 35	N83-29652	Diode and protection fuse unit Patent [NASA-CASE-XKS-03381]	c 09	N71-22796	Compact bi-phase pulse coded modulation decoder [NASA-CASE-KSC-10834-1]	c 33	N76-14371
Portable 90 deg proof loading device [NASA-CASE-MSC-20250-1]	c 37	N83-29707	Optical monitor panel Patent [NASA-CASE-XKS-03509]	c 14	N71-23175	Percutaneous connector device [NASA-CASE-KSC-10849-1]	c 52	N77-14738
Apparatus for accurately preloading auger attachment means for frangible protective material [NASA-CASE-MSC-18791-1]	c 37	N83-36482	Separation simulator Patent [NASA-CASE-XKS-04631]	c 10	N71-23663	Magnetic electrical connectors for biomedical percutaneous implants [NASA-CASE-KSC-11030-1]	c 52	N77-25772
Automatic compression adjusting mechanism for internal combustion engines [NASA-CASE-MSC-18807-1]	c 37	N83-36483	Controlled release device Patent [NASA-CASE-XKS-03338]	c 15	N71-24043	Rotational joint assembly for the prosthetic leg [NASA-CASE-KSC-11004-1]	c 54	N77-30749
Absorbent product and articles made therefrom [NASA-CASE-MSC-18223-2]	c 54	N84-11758	Phonocardiogram simulator Patent [NASA-CASE-XKS-10804]	c 05	N71-24606	Fiber optic multiplex optical transmission system [NASA-CASE-KSC-11047-1]	c 74	N78-14889
Method and technique for installing light-weight, fragile, high-temperature fiber insulation [NASA-CASE-MSC-16934-3]	c 24	N84-16262	VHF/UHF parasitic probe antenna Patent [NASA-CASE-XKS-09340]	c 07	N71-24614	Microcomputerized electric field meter diagnostic and calibration system [NASA-CASE-KSC-11035-1]	c 35	N78-28411
Method and apparatus for simulating gravitational forces on a living organism [NASA-CASE-MSC-20202-1]	c 54	N84-16803	BCD to decimal decoder Patent [NASA-CASE-XKS-06167]	c 08	N71-24890	Ocean thermal plant [NASA-CASE-KSC-11034-1]	c 44	N78-32542
Device and method for frictionally testing materials for ignitability [NASA-CASE-MSC-20622-1]	c 14	N84-22596	Flammability test chamber Patent [NASA-CASE-KSC-10126]	c 11	N71-24985	Lightning current waveform measuring system [NASA-CASE-KSC-11018-1]	c 33	N79-10337
Pre-stressed thermal protection systems [NASA-CASE-MSC-20254-1]	c 16	N84-22601	Video sync processor Patent [NASA-CASE-KSC-10002]	c 10	N71-25865	Remote lightning monitor system [NASA-CASE-KSC-11031-1]	c 33	N79-11315
Apparatus for releasably connecting first and second objects in predetermined space relationship [NASA-CASE-MSC-18969-1]	c 18	N84-22605	Weld preparation machine Patent [NASA-CASE-XKS-07953]	c 15	N71-26134	Illumination control apparatus for compensating solar light [NASA-CASE-KSC-11010-1]	c 74	N79-12890
Tanker orbit transfer vehicle and method [NASA-CASE-MSC-20543-1]	c 18	N84-22610	Validation device for spacecraft checkout equipment Patent [NASA-CASE-XKS-10543]	c 07	N71-26292	Lightning current detector [NASA-CASE-KSC-11057-1]	c 33	N79-14305
Doppler radar having phase modulation of both transmitted and reflected return signals [NASA-CASE-MSC-18675-1]	c 32	N84-22820	Internal work light Patent [NASA-CASE-XKS-05932]	c 09	N71-26787	Apparatus including a plurality of spaced transformers for locating short circuits in cables [NASA-CASE-KSC-10899-1]	c 33	N79-18193
Heat resistant protective hand covering [NASA-CASE-MSC-20261-2]	c 54	N84-23113	Emergency escape system Patent [NASA-CASE-XKS-07814]	c 15	N71-27067	Digital automatic gain amplifier [NASA-CASE-KSC-11008-1]	c 33	N79-22373
			Voltage dropout sensor Patent [NASA-CASE-KSC-10020]	c 10	N71-27338	Telephone multiline signaling using common signal pair [NASA-CASE-KSC-11023-1]	c 32	N79-23310
			Autoignition test cell Patent [NASA-CASE-KSC-10198]	c 11	N71-28629			

Prosthesis coupling [NASA-CASE-KSC-11069-1]	c 52	N79-26772	Spherical solid-propellant rocket motor Patent [NASA-CASE-XLA-00105]	c 28	N70-33331	Apparatus for producing high purity silicon carbide crystals Patent [NASA-CASE-XLA-02057]	c 26	N70-40015
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle [NASA-CASE-KSC-11064-1]	c 31	N81-14137	Jet aircraft configuration Patent [NASA-CASE-XLA-00087]	c 02	N70-33332	Miniature vibration isolator Patent [NASA-CASE-XLA-01019]	c 15	N70-40156
System for sterilizing objects [NASA-CASE-KSC-11085-1]	c 54	N81-24724	Arenal capsule emergency separation device Patent [NASA-CASE-XLA-00115]	c 03	N70-33343	Aircraft instrument Patent [NASA-CASE-XLA-00487]	c 14	N70-40157
Common data buffer system [NASA-CASE-KSC-11048-1]	c 62	N81-24779	Nozzle Patent [NASA-CASE-XLA-00154]	c 28	N70-33374	Radiation direction detector including means for compensating for photocell aging Patent [NASA-CASE-XLA-00183]	c 14	N70-40239
System and method for refurbishing and processing parachutes [NASA-CASE-KSC-11042-2]	c 02	N81-26073	Air frame drag balance Patent [NASA-CASE-XLA-00113]	c 14	N70-33386	Passive communication satellite Patent [NASA-CASE-XLA-00210]	c 30	N70-40309
Decommutator patchboard verifier [NASA-CASE-KSC-11065-1]	c 33	N81-26359	Flexible foam erectable space structures Patent [NASA-CASE-XLA-00686]	c 31	N70-34135	Electrostatic plasma modulator for space vehicle re-entry communication Patent [NASA-CASE-XLA-01400]	c 07	N70-41331
Automatic flowmeter calibration system [NASA-CASE-KSC-11076-1]	c 34	N81-26402	Nose gear steering system for vehicle with main skids Patent [NASA-CASE-XLA-01804]	c 02	N70-34160	Micrometeoroid velocity measuring device Patent [NASA-CASE-XLA-00495]	c 14	N70-41332
Lightning discharge identification system [NASA-CASE-KSC-11099-1]	c 47	N82-24779	Surface roughness detector Patent [NASA-CASE-XLA-00203]	c 14	N70-34161	Method of obtaining permanent record of surface flow phenomena Patent [NASA-CASE-XLA-01353]	c 14	N70-41366
Method for refurbishing and processing parachutes [NASA-CASE-KSC-11042-1]	c 09	N82-29330	Variable-span aircraft Patent [NASA-CASE-XLA-00166]	c 02	N70-34178	Means for communicating through a layer of ionized gases Patent [NASA-CASE-XLA-01127]	c 07	N70-41372
Method for repair of thin glass coatings [NASA-CASE-KSC-11097-1]	c 27	N82-33520	Dynamic precession damper for spin stabilized vehicles Patent [NASA-CASE-XLA-01989]	c 21	N70-34295	Quick release separation mechanism Patent [NASA-CASE-XLA-01441]	c 15	N70-41679
Senal data correlator/code translator [NASA-CASE-KSC-11025-1]	c 32	N83-13323	Erectable modular space station Patent [NASA-CASE-XLA-00678]	c 31	N70-34296	Flexible wing deployment device Patent [NASA-CASE-XLA-01220]	c 02	N70-41863
Fiber optic crossbar switch for automatically patching optical signals [NASA-CASE-KSC-11104-1]	c 74	N83-29032	Electric-arc heater Patent [NASA-CASE-XLA-00330]	c 33	N70-34540	Self-sealing, unbonded, rocket motor nozzle closure Patent [NASA-CASE-XLA-02651]	c 28	N70-41967
Automatic level control circuit [NASA-CASE-KSC-11170-1]	c 33	N83-36356	Ac power amplifier Patent Application [NASA-CASE-LAR-10218-1]	c 09	N70-34559	Fatigue testing device Patent [NASA-CASE-XLA-02131]	c 32	N70-42003
Video processor for air traffic control beacon system [NASA-CASE-KSC-11155-1]	c 33	N84-15395	Method and apparatus for producing a plasma Patent [NASA-CASE-XLA-00147]	c 25	N70-34661	Techniques for insulating cryogenic fuel containers Patent [NASA-CASE-XLA-01967]	c 31	N70-42015
Liquid hydrogen polygeneration system and process [NASA-CASE-KSC-11304-1]	c 28	N84-29017	Gas actuated bolt disconnect Patent [NASA-CASE-XLA-00326]	c 03	N70-34667	Double hinged flap Patent [NASA-CASE-XLA-01290]	c 02	N70-42016
Inflight IFR procedures simulator [NASA-CASE-KSC-11218-1]	c 09	N85-19990	Logarithmic converter Patent [NASA-CASE-XLA-00471]	c 08	N70-34778	Spacecraft separation system for spinning vehicles and/or payloads Patent [NASA-CASE-XLA-02132]	c 31	N71-10582
A method and apparatus for operating on compressed PCM voice data [NASA-CASE-KSC-11285-1]	c 32	N85-29120	Mandrel for shaping solid propellant rocket fuel into a motor casing Patent [NASA-CASE-XLA-00304]	c 27	N70-34783	Method for molding compounds Patent [NASA-CASE-XLA-01091]	c 15	N71-10672
National Aeronautics and Space Administration.								
Langley Research Center, Hampton, Va.								
Jet shoes								
[NASA-CASE-XLA-08491]	c 05	N69-21380	Impact simulator Patent [NASA-CASE-XLA-00493]	c 11	N70-34786	Automatic force measuring system Patent [NASA-CASE-XLA-02605]	c 14	N71-10773
Condenser - Separator [NASA-CASE-XLA-08645]	c 15	N69-21465	Accelerometer with FM output Patent [NASA-CASE-XLA-00492]	c 14	N70-34799	Gas analyzer for bi-gaseous mixtures Patent [NASA-CASE-XLA-01131]	c 14	N71-10774
Connector - Electrical [NASA-CASE-XLA-01288]	c 09	N69-21470	Frangible tube energy dissipation Patent [NASA-CASE-XLA-00754]	c 15	N70-34850	Multiple input radio receiver Patent [NASA-CASE-XLA-00901]	c 07	N71-10775
A support technique for vertically oriented launch vehicles [NASA-CASE-XLA-02704]	c 11	N69-21540	Landing arrangement for aenal vehicle Patent [NASA-CASE-XLA-00806]	c 02	N70-34858	Rotating space station simulator Patent [NASA-CASE-XLA-03127]	c 11	N71-10776
Electromagnetic mirror drive system [NASA-CASE-XLA-03724]	c 14	N69-27461	Method and apparatus for shock protection Patent [NASA-CASE-XLA-00482]	c 15	N70-36409	Composite powerplant and shroud therefor Patent [NASA-CASE-XLA-01043]	c 28	N71-10780
Evaporant holder [NASA-CASE-XLA-03105]	c 15	N69-27483	Inflatable honeycomb Patent [NASA-CASE-XLA-00204]	c 32	N70-36536	All-directional fastener Patent [NASA-CASE-XLA-01807]	c 15	N71-10799
Compensating radiometer [NASA-CASE-XLA-04556]	c 14	N69-27484	Thermal control of space vehicles Patent [NASA-CASE-XLA-01291]	c 33	N70-36617	Hot air balloon deceleration and recovery system Patent [NASA-CASE-XLA-06824-2]	c 02	N71-11037
Tubular coupling having frangible connecting means [NASA-CASE-XLA-02854]	c 15	N69-27490	Foam generator Patent [NASA-CASE-XLA-00838]	c 03	N70-36778	Control for flexible parawing Patent [NASA-CASE-XLA-06958]	c 02	N71-11038
Fatigue-resistant shear pin [NASA-CASE-XLA-09122]	c 15	N69-27505	Parachute glider Patent [NASA-CASE-XLA-00898]	c 02	N70-36804	Variable sweep aircraft Patent [NASA-CASE-XLA-03659]	c 02	N71-11041
Ablation sensor [NASA-CASE-XLA-01781]	c 14	N69-39975	Production of high purity silicon carbide Patent [NASA-CASE-XLA-00158]	c 26	N70-36805	Translating horizontal tail Patent [NASA-CASE-XLA-08801-1]	c 02	N71-11043
Aeroflexible structures [NASA-CASE-XLA-06095]	c 01	N69-39981	Airplane take-off performance indicator Patent [NASA-CASE-XLA-00100]	c 14	N70-36807	Space suit pressure stabilizer Patent [NASA-CASE-XLA-05332]	c 05	N71-11194
Transient-compensated SCR inverter [NASA-CASE-XLA-08507]	c 09	N69-39984	Aerodynamic measuring device Patent [NASA-CASE-XLA-00481]	c 14	N70-36824	Equipotential space suit Patent [NASA-CASE-LAR-10007-1]	c 05	N71-11195
Disk pack cleaning table Patent Application [NASA-CASE-LAR-10590-1]	c 15	N70-26819	Aircraft wheel spray drag alleviator Patent [NASA-CASE-XLA-01583]	c 02	N70-36825	Recovery of potable water from human wastes in below-G conditions Patent [NASA-CASE-XLA-03213]	c 05	N71-11207
Folding apparatus Patent [NASA-CASE-XLA-00137]	c 15	N70-33180	Attitude orientation of spin-stabilized space vehicles Patent [NASA-CASE-XLA-00281]	c 21	N70-36943	Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent [NASA-CASE-XLA-03104]	c 06	N71-11235
Infrared scanner Patent [NASA-CASE-XLA-00120]	c 21	N70-33181	Continuously operating induction plasma accelerator Patent [NASA-CASE-XLA-01354]	c 25	N70-36946	Imidazopyrrolone/imide copolymers Patent [NASA-CASE-XLA-08802]	c 06	N71-11238
Reentry vehicle leading edge Patent [NASA-CASE-XLA-00165]	c 31	N70-33242	Check valve assembly for a probe Patent [NASA-CASE-XLA-00128]	c 15	N70-37925	Adaptive compression of communication signals Patent [NASA-CASE-XLA-03076]	c 07	N71-11266
Motion picture camera for optical pyrometry Patent [NASA-CASE-XLA-00062]	c 14	N70-33254	Space capsule Patent [NASA-CASE-XLA-00149]	c 31	N70-37938	Reentry communication by maternal addition Patent [NASA-CASE-XLA-01552]	c 07	N71-11284
Variable sweep wing configuration Patent [NASA-CASE-XLA-00230]	c 02	N70-33255	Sandwich panel construction Patent [NASA-CASE-XLA-00349]	c 33	N70-37979	Cooperative Doppler radar system Patent [NASA-CASE-LAR-10403]	c 21	N71-11766
Variable sweep wing aircraft Patent [NASA-CASE-XLA-00221]	c 02	N70-33266	Reflector space satellite Patent [NASA-CASE-XLA-00138]	c 31	N70-37981	Supersonic aircraft Patent [NASA-CASE-XLA-04451]	c 02	N71-12243
Plasma accelerator Patent [NASA-CASE-XLA-00675]	c 25	N70-33267	Variable-geometry winged reentry vehicle Patent [NASA-CASE-XLA-00241]	c 31	N70-37986	Umbilical disconnect Patent [NASA-CASE-XLA-00711]	c 03	N71-12258
Survival couch Patent [NASA-CASE-XLA-00118]	c 05	N70-33285	Vehicle parachute and equipment jettison system Patent [NASA-CASE-XLA-00195]	c 02	N70-38009	Remote controlled tubular disconnect Patent [NASA-CASE-XLA-01396]	c 03	N71-12259
Landing arrangement for aenal vehicles Patent [NASA-CASE-XLA-00142]	c 02	N70-33286	Landing arrangement for aerospace vehicle Patent [NASA-CASE-XLA-00805]	c 31	N70-38010	Backpack camera Patent [NASA-CASE-LAR-10056]	c 05	N71-12351
Wind tunnel airstream oscillating apparatus Patent [NASA-CASE-XLA-00112]	c 11	N70-33287	Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent [NASA-CASE-XLA-00414]	c 07	N70-38200	Optical communications system Patent [NASA-CASE-XLA-01090]	c 07	N71-12389
Hydrofoil Patent [NASA-CASE-XLA-00229]	c 12	N70-33305	Despin weight release Patent [NASA-CASE-XLA-00679]	c 15	N70-38601	Analog to digital converter Patent [NASA-CASE-XLA-00670]	c 08	N71-12501
High intensity heat and light unit Patent [NASA-CASE-XLA-00141]	c 09	N70-33312	Manned space station Patent [NASA-CASE-XLA-00258]	c 31	N70-38676	Integrated time shared instrumentation display Patent [NASA-CASE-XLA-01952]	c 08	N71-12507
Particle detection apparatus Patent [NASA-CASE-XLA-00135]	c 14	N70-33322	Missile stage separation indicator and stage initiator Patent [NASA-CASE-XLA-00791]	c 03	N70-39930			
Runway light Patent [NASA-CASE-XLA-00119]	c 11	N70-33329						

SCR blocking pulse gate amplifier Patent [NASA-CASE-XLA-07497]	c 09	N71-12514	Controlled glass bead peening Patent [NASA-CASE-XLA-07390]	c 15	N71-18616	Variable width pulse integrator Patent [NASA-CASE-XLA-03356]	c 10	N71-23315
Minimum induced drag airfoil body Patent [NASA-CASE-XLA-00755]	c 01	N71-13410	Exclusive-Or digital logic module Patent [NASA-CASE-XLA-07732]	c 08	N71-18751	Leading edge curvature based on convective heating Patent [NASA-CASE-XLA-01486]	c 01	N71-23497
Minimum induced drag airfoil body Patent [NASA-CASE-XLA-05828]	c 01	N71-13411	Slosh alleviator Patent [NASA-CASE-XLA-05749]	c 15	N71-19569	Measurement of time differences between luminous events Patent [NASA-CASE-XLA-01987]	c 23	N71-23976
Mechanical stability augmentation system Patent [NASA-CASE-XLA-06339]	c 02	N71-13422	G conditioning suit Patent [NASA-CASE-XLA-02898]	c 05	N71-20268	Method for measuring the characteristics of a gas Patent [NASA-CASE-XLA-03375]	c 16	N71-24074
Automatic balancing device Patent [NASA-CASE-LAR-10774]	c 10	N71-13545	Dosimeter for high levels of absorbed radiation Patent [NASA-CASE-XLA-03645]	c 14	N71-20430	Laser grating interferometer Patent [NASA-CASE-XLA-04295]	c 16	N71-24170
Quick release connector Patent [NASA-CASE-XLA-01141]	c 15	N71-13789	Flow field simulation Patent [NASA-CASE-LAR-11138]	c 12	N71-20436	Automatic fatigue test temperature programmer Patent [NASA-CASE-XLA-02059]	c 33	N71-24276
Spacecraft experiment pointing and attitude control system Patent [NASA-CASE-XLA-05464]	c 21	N71-14132	Variable pulse width multiplier Patent [NASA-CASE-XLA-02850]	c 09	N71-20447	Ring wing tension vehicle Patent [NASA-CASE-XLA-04901]	c 31	N71-24315
Pressurized cell micrometeoroid detector Patent [NASA-CASE-XLA-00936]	c 14	N71-14996	Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent [NASA-CASE-XLA-06232]	c 25	N71-20563	Process for applying black coating to metals Patent [NASA-CASE-XLA-06199]	c 15	N71-24875
Crossed-field MHD plasma generator/accelerator Patent [NASA-CASE-XLA-03374]	c 25	N71-15562	Null device for hand controller Patent [NASA-CASE-XLA-01808]	c 15	N71-20740	Velocity limiting safety system Patent [NASA-CASE-XLA-07473]	c 15	N71-24895
Adjustable attitude guide device Patent [NASA-CASE-XLA-07911]	c 15	N71-15571	Event recorder Patent [NASA-CASE-XLA-01832]	c 14	N71-21006	Strain coupled servo control system Patent [NASA-CASE-XLA-08530]	c 32	N71-25360
Control system for rocket vehicles Patent [NASA-CASE-XLA-01163]	c 21	N71-15582	Inflatable support structure Patent [NASA-CASE-XLA-01731]	c 32	N71-21045	Method of temperature compensating semiconductor strain gages Patent [NASA-CASE-XLA-04555-1]	c 14	N71-25892
Excessive temperature warning system Patent [NASA-CASE-XLA-01926]	c 14	N71-15620	Fast opening diaphragm Patent [NASA-CASE-XLA-03660]	c 15	N71-21060	Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent [NASA-CASE-XLA-02810]	c 14	N71-25901
Alleviation of divergence during rocket launch Patent [NASA-CASE-XLA-00256]	c 31	N71-15663	Ellipsograph for pantograph Patent [NASA-CASE-XLA-03102]	c 14	N71-21079	Method of plating copper on aluminum Patent [NASA-CASE-XLA-08966-1]	c 17	N71-25903
Space capsule Patent [NASA-CASE-XLA-01332]	c 31	N71-15664	Random function tracer Patent [NASA-CASE-XLA-01401]	c 15	N71-21179	Laser calibrator Patent [NASA-CASE-XLA-03410]	c 16	N71-25914
Variable geometry manned orbital vehicle Patent [NASA-CASE-XLA-03691]	c 31	N71-15674	Method and apparatus for bonding a plastics sleeve onto a metallic body Patent [NASA-CASE-XLA-01262]	c 15	N71-21404	Thermal protection ablation spray system Patent [NASA-CASE-XLA-04251]	c 18	N71-26100
Payload/burned-out motor case separation system Patent [NASA-CASE-XLA-05369]	c 31	N71-15687	Hypersonic test facility Patent [NASA-CASE-XLA-05378]	c 11	N71-21475	Direct lift control system Patent [NASA-CASE-LAR-10249-1]	c 02	N71-26110
Velocity package Patent [NASA-CASE-XLA-01339]	c 31	N71-15692	Multilegged support system Patent [NASA-CASE-XLA-01326]	c 11	N71-21481	Light shield and infrared reflector for fatigue testing Patent [NASA-CASE-XLA-01782]	c 14	N71-26136
File card marker Patent [NASA-CASE-XLA-02705]	c 08	N71-15908	Nacelle afterbody for jet engines Patent [NASA-CASE-XLA-10450]	c 28	N71-21493	Dual resonant cavity absorption cell Patent [NASA-CASE-LAR-10305]	c 14	N71-26137
Hypersonic test facility Patent [NASA-CASE-XLA-00378]	c 11	N71-15925	Canister closing device Patent [NASA-CASE-XLA-01446]	c 15	N71-21528	Resilience testing device Patent [NASA-CASE-XLA-08254]	c 14	N71-26161
Test unit free-flight suspension system Patent [NASA-CASE-XLA-00939]	c 11	N71-15926	Ablation sensor Patent [NASA-CASE-XLA-01794]	c 33	N71-21586	Precipitation detector Patent [NASA-CASE-XLA-02619]	c 10	N71-26334
Reduced gravity simulator Patent [NASA-CASE-XLA-01787]	c 11	N71-16028	Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent [NASA-CASE-XLA-03103]	c 25	N71-21693	Instrument for measuring the dynamic behavior of liquids Patent [NASA-CASE-XLA-05541]	c 12	N71-26387
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent [NASA-CASE-XLA-00284]	c 15	N71-16075	Attitude control and damping system for spacecraft Patent [NASA-CASE-XLA-02551]	c 21	N71-21708	Arbitrarily shaped model survey system Patent [NASA-CASE-LAR-10098]	c 32	N71-26681
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent [NASA-CASE-XLA-00302]	c 15	N71-16077	Method of making inflatable honeycomb Patent [NASA-CASE-XLA-03492]	c 15	N71-22713	Dielectric molding apparatus Patent [NASA-CASE-LAR-10121-1]	c 15	N71-26721
Separator Patent [NASA-CASE-XLA-00415]	c 15	N71-16079	Lunar penetrometer Patent [NASA-CASE-XLA-00934]	c 14	N71-22765	Method of making a solid propellant rocket motor Patent [NASA-CASE-XLA-04126]	c 28	N71-26779
Omnidirectional multiple impact landing system Patent [NASA-CASE-XLA-09881]	c 31	N71-16085	Thermal control wall panel Patent [NASA-CASE-XLA-01243]	c 33	N71-22792	Dynamic vibration absorber Patent [NASA-CASE-LAR-10083-1]	c 15	N71-27006
Flexible ring slosh damping baffle Patent [NASA-CASE-LAR-10317-1]	c 32	N71-16103	Attitude sensor for space vehicles Patent [NASA-CASE-XLA-00793]	c 21	N71-22880	Rate augmented digital to analog converter Patent [NASA-CASE-XLA-07828]	c 08	N71-27057
Buoyant anti-slosh system Patent [NASA-CASE-XLA-04605]	c 32	N71-16106	Ornidirectional microwave spacecraft antenna Patent [NASA-CASE-XLA-03114]	c 09	N71-22888	High speed flight vehicle control Patent [NASA-CASE-XLA-08967]	c 02	N71-27088
Detector panels-micrometeoroid impact Patent [NASA-CASE-XLA-05906]	c 31	N71-16221	Thermal control panel Patent [NASA-CASE-XLA-07728]	c 33	N71-22890	Suspended mass impact damper Patent [NASA-CASE-LAR-10193-1]	c 15	N71-27146
Wind velocity probing device and method Patent [NASA-CASE-XLA-02081]	c 20	N71-16281	Spacecraft airlock Patent [NASA-CASE-XLA-02050]	c 31	N71-22968	Active vibration isolator for flexible bodies Patent [NASA-CASE-LAR-10106-1]	c 15	N71-27169
Vibrating structure displacement measuring instrument Patent [NASA-CASE-XLA-03135]	c 32	N71-16428	Station keeping of a gravity gradient stabilized satellite Patent [NASA-CASE-XLA-03132]	c 31	N71-22969	Soldering device Patent [NASA-CASE-XLA-08911]	c 15	N71-27214
Viscous pendulum-damper Patent [NASA-CASE-XLA-02079]	c 12	N71-16894	Semi-linear ball bearing Patent [NASA-CASE-XLA-02809]	c 15	N71-22982	Fringe counter for interferometers Patent [NASA-CASE-LAR-10204]	c 14	N71-27215
Leak detector Patent [NASA-CASE-LAR-10323-1]	c 12	N71-17573	Heat sensing instrument Patent [NASA-CASE-XLA-01551]	c 14	N71-22989	Wideband WCO with high phase stability Patent [NASA-CASE-XLA-03893]	c 10	N71-27271
Logic AND gate for fluid circuits Patent [NASA-CASE-XLA-07391]	c 12	N71-17579	Ablation sensor Patent [NASA-CASE-XLA-01791]	c 14	N71-22991	Plural position switch status and operativeness checker Patent [NASA-CASE-XLA-08799]	c 10	N71-27272
Contour surveying system Patent [NASA-CASE-XLA-08646]	c 14	N71-17586	Self-calibrating displacement transducer Patent [NASA-CASE-XLA-00781]	c 09	N71-22999	Angular displacement indicating gas bearing support system Patent [NASA-CASE-XLA-09346]	c 15	N71-28740
Cable arrangement for rigid tethering Patent [NASA-CASE-XLA-02332]	c 32	N71-17609	Lateral displacement system for separated rocket stages Patent [NASA-CASE-XLA-04804]	c 31	N71-23008	Solid state thermal control polymer coating Patent [NASA-CASE-XLA-01745]	c 33	N71-28903
Thermal pump-compressor for space use Patent [NASA-CASE-XLA-00377]	c 33	N71-17610	Thermal control coating Patent [NASA-CASE-XLA-01995]	c 18	N71-23047	Specialized halogen generator for purification of water Patent [NASA-CASE-XLA-08913]	c 14	N71-28933
Viscous pendulum damper Patent [NASA-CASE-LAR-10274-1]	c 14	N71-17626	Method of making an inflatable panel Patent [NASA-CASE-XLA-03497]	c 15	N71-23052	Optical communications system Patent [NASA-CASE-XLA-01090]	c 16	N71-28963
Self supporting space vehicle Patent [NASA-CASE-XLA-00117]	c 31	N71-17680	Variable duration pulse integrator Patent [NASA-CASE-XLA-01219]	c 10	N71-23084	Antenna design for surface wave suppression Patent [NASA-CASE-XLA-10772]	c 07	N71-28980
Technique for control of free-flight rocket vehicles Patent [NASA-CASE-XLA-00937]	c 31	N71-17691	Impact energy absorber Patent [NASA-CASE-XLA-01530]	c 14	N71-23092	Analog to digital converter tester Patent [NASA-CASE-XLA-06713]	c 14	N71-28991
Hydraulic gmp Patent [NASA-CASE-XLA-05100]	c 15	N71-17696	Micrometeoroid penetration measuring device Patent [NASA-CASE-XLA-00941]	c 14	N71-23240	Method of making pressurized panel Patent [NASA-CASE-XLA-08916]	c 15	N71-29018
Heat protection apparatus Patent [NASA-CASE-XLA-00892]	c 33	N71-17897	Combined optical attitude and altitude indicating instrument Patent [NASA-CASE-XLA-01907]	c 14	N71-23268	Maksutov spectrograph Patent [NASA-CASE-XLA-10402]	c 14	N71-29041
Thermopile vacuum gage tube simulator Patent [NASA-CASE-XLA-02758]	c 14	N71-18481	Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent [NASA-CASE-XLA-01584]	c 14	N71-23269	Two component bearing Patent [NASA-CASE-XLA-00013]	c 15	N71-29136
Ionization vacuum gauge with all but the end of the ion collector shielded Patent [NASA-CASE-XLA-07424]	c 14	N71-18482						
Safe-arm initiator Patent [NASA-CASE-LAR-10372]	c 09	N71-18599						

Digital pulse width selection circuit	Patent		Ferry system			Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article		
[NASA-CASE-XLA-07788]	c 09	N71-29139	[NASA-CASE-LAR-10574-1]	c 11	N73-13257	[NASA-CASE-LAR-10489-1]	c 31	N74-18124
Magnetically controlled plasma accelerator	Patent		Flow velocity and directional instrument			Method for determining thermo-physical properties of specimens		
[NASA-CASE-XLA-00327]	c 25	N71-29184	[NASA-CASE-LAR-10855-1]	c 14	N73-13415	[NASA-CASE-LAR-11053-1]	c 25	N74-18551
Bonng bar drive mechanism	Patent		Vortex breech high pressure gas generator			Anti-buckling fatigue test assembly		
[NASA-CASE-XLA-03661]	c 15	N71-33518	[NASA-CASE-LAR-10549-1]	c 31	N73-13898	[NASA-CASE-LAR-10426-1]	c 09	N74-19528
Wind tunnel model damper	Patent		Butt welder for fine gauge tungsten/rhenium thermocouple wire			Reefing system		
[NASA-CASE-XLA-09480]	c 11	N71-33612	[NASA-CASE-LAR-10103-1]	c 15	N73-14468	[NASA-CASE-LAR-10129-2]	c 37	N74-20063
Variable geometry rotor system			Method of detecting oxygen in a gas			A synchronous binary array divider		
[NASA-CASE-LAR-10557]	c 02	N72-11018	[NASA-CASE-LAR-10668-1]	c 06	N73-16106	[NASA-CASE-ERC-10180-1]	c 60	N74-20836
Flared tube strainer			Combustion detector			Orbital and entry tracking accessory for globes		
[NASA-CASE-XLA-05056]	c 15	N72-11389	[NASA-CASE-LAR-10739-1]	c 14	N73-16484	[NASA-CASE-LAR-10626-1]	c 19	N74-21015
Impact measuring technique			Laser communication system for controlling several functions at a location remote to the laser			Digital controller for a Baum folding machine		
[NASA-CASE-LAR-10913]	c 14	N72-16282	[NASA-CASE-LAR-10311-1]	c 16	N73-16536	[NASA-CASE-LAR-10688-1]	c 37	N74-21056
Technique of duplicating fragile core			Apparatus for photographing meteors			Totally confined explosive welding		
[NASA-CASE-XLA-07829]	c 15	N72-16329	[NASA-CASE-LAR-10226-1]	c 14	N73-19419	[NASA-CASE-LAR-10941-1]	c 37	N74-21057
Tube fabricating process			Zero gravity liquid mixer			Method of fabricating an object with a thin wall having a precisely shaped slit		
[NASA-CASE-LAR-10203-1]	c 15	N72-16330	[NASA-CASE-LAR-10195-1]	c 15	N73-19458	[NASA-CASE-LAR-10409-1]	c 31	N74-21059
Air bearing			Rate data encoder			Deployable pressurized cell structure for a micrometeoroid detector		
[NASA-CASE-WLP-10002]	c 15	N72-17451	[NASA-CASE-LAR-10128-1]	c 08	N73-20217	[NASA-CASE-LAR-10295-1]	c 35	N74-21062
Extensometer frame			Function generator for synthesizing complex vibration mode patterns			Means for accommodating large overstrain in lead wires		
[NASA-CASE-XLA-10322]	c 15	N72-17452	[NASA-CASE-LAR-10310-1]	c 10	N73-20253	[NASA-CASE-LAR-10168-1]	c 33	N74-22865
Split range transducer			Infrared horizon locator			Bonded joint and method		
[NASA-CASE-XLA-11189]	c 10	N72-20222	[NASA-CASE-LAR-10726-1]	c 14	N73-20475	[NASA-CASE-LAR-10900-1]	c 37	N74-23064
Stereo photomicrography system			Light intensity strain analysis			Light shield and cooling apparatus		
[NASA-CASE-LAR-10176-1]	c 14	N72-20380	[NASA-CASE-LAR-10765-1]	c 32	N73-20740	[NASA-CASE-LAR-10089-1]	c 34	N74-23066
Radar calibration sphere			Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds			Method of laminating structural members		
[NASA-CASE-XLA-11154]	c 07	N72-21117	[NASA-CASE-LAR-10578-1]	c 12	N73-25262	[NASA-CASE-XLA-11028-1]	c 24	N74-27035
Recorder using selective noise filter			Cable restraint			Rocket having barium release system to create ion clouds in the upper atmosphere		
[NASA-CASE-ERC-10112]	c 07	N72-21119	[NASA-CASE-LAR-10129-1]	c 15	N73-25512	[NASA-CASE-LAR-10670-2]	c 15	N74-27360
Stacked array of omnidirectional antennas			Electronic strain-level counter			Apparatus for inserting and removing specimens from high temperature vacuum furnaces		
[NASA-CASE-LAR-10545-1]	c 09	N72-21244	[NASA-CASE-LAR-10756-1]	c 32	N73-26910	[NASA-CASE-LAR-10841-1]	c 31	N74-27900
Electro-mechanical sine/cosine generator			Nondestructive spot test method for magnesium and magnesium alloys			Grinding arrangement for ball nose milling cutters		
[NASA-CASE-LAR-10503-1]	c 09	N72-21248	[NASA-CASE-LAR-10953-1]	c 17	N73-27446	[NASA-CASE-LAR-10450-1]	c 37	N74-27905
Lathe tool bit and holder for machining fiberglass materials			Ablation article and method			Method of repairing discontinuity in fiberglass structures		
[NASA-CASE-XLA-10470]	c 15	N72-21489	[NASA-CASE-LAR-10439-1]	c 33	N73-27796	[NASA-CASE-LAR-10416-1]	c 24	N74-30001
Pressure operated electrical switch responsive to a pressure decrease after a pressure increase			Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds			Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft		
[NASA-CASE-LAR-10137-1]	c 09	N72-22204	[NASA-CASE-LAR-10612-1]	c 12	N73-28144	[NASA-CASE-LAR-10753-1]	c 08	N74-30421
Variable geometry wind tunnels			Pressurized panel			Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot		
[NASA-CASE-XLA-07430]	c 11	N72-22246	[NASA-CASE-XLA-08916-2]	c 14	N73-28487	[NASA-CASE-LAR-10550-1]	c 09	N74-30597
Magnifying scratch gage force transducer			Apparatus for aiding a pilot in avoiding a midair collision between aircraft			Centrifugal lyophobic separator		
[NASA-CASE-LAR-10496-1]	c 14	N72-22437	[NASA-CASE-LAR-10717-1]	c 21	N73-30641	[NASA-CASE-LAR-10194-1]	c 34	N74-30608
Star image motion compensator			Exposure interlock for oscilloscope cameras			Variably positioned guide vanes for aerodynamic choking		
[NASA-CASE-LAR-10523-1]	c 14	N72-22444	[NASA-CASE-LAR-10319-1]	c 14	N73-32322	[NASA-CASE-LAR-10642-1]	c 07	N74-31270
Absolute focus lock for microscopes			Meteoroid detector			Noise suppressor		
[NASA-CASE-LAR-10184]	c 14	N72-22445	[NASA-CASE-LAR-10483-1]	c 14	N73-32327	[NASA-CASE-LAR-11141-1]	c 07	N74-32418
Cryogenic feedthrough			Lightweight, variable solidity knitted parachute fabric			Measuring probe position recorder		
[NASA-CASE-LAR-10031]	c 15	N72-22484	[NASA-CASE-LAR-10776-1]	c 02	N74-10034	[NASA-CASE-LAR-10806-1]	c 35	N74-32877
A technique for breaking ice in the path of a ship			Technique for extending the frequency range of digital dividers			Stagnation pressure probe		
[NASA-CASE-LAR-10815-1]	c 16	N72-22520	[NASA-CASE-LAR-10730-1]	c 33	N74-10223	[NASA-CASE-LAR-11139-1]	c 35	N74-32878
One hand backpack harness			Fluid pressure amplifier and system			Molding apparatus		
[NASA-CASE-LAR-10102-1]	c 05	N72-23085	[NASA-CASE-LAR-10868-1]	c 33	N74-11050	[NASA-CASE-LAR-10489-2]	c 31	N74-32920
Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT			Method of making pressure tight seal for super alloy			Remote fire stack igniter		
[NASA-CASE-LAR-10320-1]	c 09	N72-23172	[NASA-CASE-LAR-10170-1]	c 37	N74-11301	[NASA-CASE-MFS-21675-1]	c 25	N74-33378
Omnidirectional slot antenna for mounting on cylindrical space vehicle			System for calibrating pressure transducer			Open tube guideway for high speed air cushioned vehicles		
[NASA-CASE-LAR-10163-1]	c 09	N72-25247	[NASA-CASE-LAR-10910-1]	c 35	N74-13132	[NASA-CASE-LAR-10256-1]	c 85	N74-34672
Hall effect transducer			Molding process for imidazopyrrolone polymers			Fast scan control for deflection type mass spectrometers		
[NASA-CASE-LAR-10620-1]	c 09	N72-25255	[NASA-CASE-LAR-10547-1]	c 31	N74-13177	[NASA-CASE-LAR-11428-1]	c 35	N74-34857
Radio frequency filter device			Lyophilized spore dispenser			Apparatus for microbiological sampling		
[NASA-CASE-XLA-02609]	c 09	N72-25256	[NASA-CASE-LAR-10544-1]	c 37	N74-13178	[NASA-CASE-LAR-11069-1]	c 35	N75-12272
Parametric amplifiers with idler circuit feedback			Transmitting and reflecting diffuser			Method of making an explosively welded scarf joint		
[NASA-CASE-LAR-10253-1]	c 09	N72-25258	[NASA-CASE-LAR-10385-2]	c 70	N74-13436	[NASA-CASE-LAR-11211-1]	c 37	N75-12326
Variable angle tube holder			Evacuated displacement compression molding			Determining particle density using known material Hugoniot curves		
[NASA-CASE-LAR-10507-1]	c 11	N72-25284	[NASA-CASE-LAR-10782-1]	c 31	N74-14133	[NASA-CASE-LAR-11059-1]	c 76	N75-12810
Low mass truss structure			Modification of one man life raft			Method for making conductors for ferrite memory arrays		
[NASA-CASE-LAR-10546-1]	c 11	N72-25287	[NASA-CASE-LAR-10241-1]	c 54	N74-14845	[NASA-CASE-LAR-10994-1]	c 24	N75-13032
Liquid waste feed system			Attitude sensor			Evacuated, displacement compression mold		
[NASA-CASE-LAR-10365-1]	c 05	N72-27102	[NASA-CASE-LAR-10586-1]	c 19	N74-15089	[NASA-CASE-LAR-10782-2]	c 31	N75-13111
Microcircuit negative cutter			Mossbauer spectrometer radiation detector			Automatic inoculating apparatus		
[NASA-CASE-XLA-09843]	c 15	N72-27485	[NASA-CASE-LAR-11155-1]	c 35	N74-15091	[NASA-CASE-LAR-11074-1]	c 51	N75-13502
Light regulator			In situ transfer standard for ultrahigh vacuum gage calibration			Automatic focus control for facsimile cameras		
[NASA-CASE-LAR-10836-1]	c 26	N72-27784	[NASA-CASE-LAR-10862-1]	c 35	N74-15092	[NASA-CASE-LAR-11213-1]	c 35	N75-15014
Linear explosive companson			Dual measurement ablation sensor			Kinesthetic control simulator		
[NASA-CASE-LAR-10800-1]	c 33	N72-27959	[NASA-CASE-LAR-10105-1]	c 34	N74-15652	[NASA-CASE-LAR-10276-1]	c 09	N75-15662
Spherical measurement device			Ejectable underwater sound source recovery assembly			Electrostatic measurement system		
[NASA-CASE-XLA-06683]	c 14	N72-28436	[NASA-CASE-LAR-10595-1]	c 35	N74-16135	[NASA-CASE-MFS-22129-1]	c 33	N75-18477
Method of making semiconductor p-n junction stress and strain sensor			Wind tunnel model and method			Automatic liquid inventory collecting and dispensing unit		
[NASA-CASE-XLA-04980-2]	c 14	N72-28438	[NASA-CASE-LAR-10812-1]	c 09	N74-17955	[NASA-CASE-LAR-11071-1]	c 35	N75-19611
Screened circuit capacitors			High field CdS detector for infrared radiation					
[NASA-CASE-LAR-10294-1]	c 26	N72-28762	[NASA-CASE-LAR-11027-1]	c 35	N74-18088			
Deposition apparatus			Method of fabricating an article with cavities					
[NASA-CASE-LAR-10541-1]	c 15	N72-32487	[NASA-CASE-LAR-10318-1]	c 31	N74-18089			
Lift balancing device			Apparatus for remote handling of materials					
[NASA-CASE-LAR-10348-1]	c 11	N73-12264	[NASA-CASE-LAR-10634-1]	c 37	N74-18123			
Air removal device								
[NASA-CASE-XLA-8914]	c 15	N73-12492						
Nondestructive spot test method for titanium and titanium alloys								
[NASA-CASE-LAR-10539-1]	c 17	N73-12547						
Logical function generator								
[NASA-CASE-XLA-05099]	c 09	N73-13209						

Vacuum leak detector [NASA-CASE-LAR-11237-1]	c 35	N75-19612	Anti-multipath digital signal detector [NASA-CASE-LAR-11827-1]	c 32	N77-10392	Nozzle extraction process and handmeter for measuring handle [NASA-CASE-LAR-12147-1]	c 31	N79-11246
Spectrometer integrated with a facsimile camera [NASA-CASE-LAR-11207-1]	c 35	N75-19613	Weld-bonded titanium structures [NASA-CASE-LAR-11549-1]	c 37	N77-11397	Fluid velocity measuring device [NASA-CASE-LAR-11729-1]	c 34	N79-12359
Instrumentation for measurement of aircraft noise and sonic boom [NASA-CASE-LAR-11173-1]	c 35	N75-19614	Phase modulating with odd and even finite power series of a modulating signal [NASA-CASE-LAR-11607-1]	c 32	N77-14292	Totally confined explosive welding [NASA-CASE-LAR-10941-2]	c 37	N79-13364
Laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1]	c 36	N75-19655	Miniature biaxial strain transducer [NASA-CASE-LAR-11648-1]	c 35	N77-14407	Vortex-lift roll-control device [NASA-CASE-LAR-11868-2]	c 08	N79-14108
High lift aircraft [NASA-CASE-LAR-11252-1]	c 05	N75-25914	Precision alignment apparatus for cutting a workpiece [NASA-CASE-LAR-11658-1]	c 37	N77-14478	Electronically scanned pressure sensor module with in situ calibration capability [NASA-CASE-LAR-12230-1]	c 35	N79-14347
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements [NASA-CASE-LAR-11144-1]	c 25	N75-26043	Solid propellant rocket motor and method of making same [NASA-CASE-XLA-1349]	c 20	N77-17143	Versatile LDV burst simulator [NASA-CASE-LAR-11859-1]	c 35	N79-14349
Resonant waveguide stark cell [NASA-CASE-LAR-11352-1]	c 33	N75-26245	Particulate and solar radiation stable coating for spacecraft [NASA-CASE-LAR-10805-2]	c 34	N77-18382	Locking redundant link [NASA-CASE-LAR-11900-1]	c 37	N79-14382
Fluid control apparatus and method [NASA-CASE-LAR-11110-1]	c 34	N75-26282	Magnetic heading reference [NASA-CASE-LAR-11387-2]	c 04	N77-19056	Chromatically corrected virtual image display [NASA-CASE-LAR-12251-1]	c 74	N79-14892
Electrolytic cell structure [NASA-CASE-LAR-11042-1]	c 33	N75-27252	Binocular device for displaying numerical information in field of view [NASA-CASE-LAR-11782-1]	c 74	N77-20882	Apparatus for measuring an aircraft's speed and height [NASA-CASE-LAR-12275-1]	c 35	N79-18296
Automatic microbial transfer device [NASA-CASE-LAR-11354-1]	c 35	N75-27330	Method of locating persons in distress [NASA-CASE-LAR-11390-1]	c 32	N77-21267	Volumetric direct nuclear pumped laser [NASA-CASE-LAR-12183-1]	c 36	N79-18307
Polyimide adhesives [NASA-CASE-LAR-11397-1]	c 27	N75-29263	Amplifying ribbon extensometer [NASA-CASE-LAR-11825-1]	c 35	N77-22449	Wind tunnel [NASA-CASE-LAR-10135-1]	c 09	N79-21083
Bonding method in the manufacture of continuous regression rate sensor devices [NASA-CASE-LAR-10337-1]	c 24	N75-30260	Method of forming shrink-fit compression seal [NASA-CASE-LAR-11563-1]	c 37	N77-23482	Fatigue failure load indicator [NASA-CASE-LAR-12027-1]	c 39	N79-22537
Meteoroid impact position locator aid for manned space station [NASA-CASE-LAR-10629-1]	c 35	N75-33367	Vortex generator for controlling the dispersion of effluents in a flowing liquid [NASA-CASE-LAR-12045-1]	c 34	N77-24423	Filtering technique based on high-frequency plant modeling for high-gain control [NASA-CASE-LAR-12215-1]	c 08	N79-23097
Measurement of gas production of microorganisms [NASA-CASE-LAR-11326-1]	c 35	N75-33368	Process for control of cell division [NASA-CASE-LAR-10773-3]	c 51	N77-25769	Electrochemical detection device [NASA-CASE-LAR-11922-1]	c 25	N79-24073
Self-supporting strain transducer [NASA-CASE-LAR-11263-1]	c 35	N75-33369	Electro-mechanical sine/cosine generator [NASA-CASE-LAR-11389-1]	c 33	N77-26387	High-temperature microphone system [NASA-CASE-LAR-12375-1]	c 32	N79-24203
Annular momentum control device used for stabilization of space vehicles and the like [NASA-CASE-LAR-11051-1]	c 15	N76-14158	Apparatus for determining thermophysical properties of test specimens [NASA-CASE-LAR-11883-1]	c 09	N77-27131	Magnetic suspension and pointing system [NASA-CASE-LAR-11889-1]	c 35	N79-26372
Multichannel logarithmic RF level detector [NASA-CASE-LAR-11021-1]	c 32	N76-14321	Automated single-slide staining device [NASA-CASE-LAR-11649-1]	c 51	N77-27677	Seal cushion to provide realistic acceleration cues to aircraft simulator pilot [NASA-CASE-LAR-12149-2]	c 09	N79-31228
Turnstile and flared cone UHF antenna [NASA-CASE-LAR-10970-1]	c 33	N76-14372	Dual cycle aircraft turbine engine [NASA-CASE-LAR-11310-1]	c 07	N77-28118	Mixed diamines for lower melting addition polyimide preparation and utilization [NASA-CASE-LAR-12054-1]	c 27	N79-33316
Static pressure probe [NASA-CASE-LAR-11552-1]	c 35	N76-14429	Composite sandwich lattice structure [NASA-CASE-LAR-11898-1]	c 24	N78-10214	Displacement probes with self-contained exciting medium [NASA-CASE-LAR-11690-1]	c 35	N80-14371
Horn antenna having V-shaped corrugated slots [NASA-CASE-LAR-11112-1]	c 32	N76-15330	Differential sound level meter [NASA-CASE-LAR-12106-1]	c 71	N78-14867	Crystalline polyimides [NASA-CASE-LAR-12099-1]	c 27	N80-16158
Ultrasonic calibration device [NASA-CASE-LAR-11435-1]	c 35	N76-15432	Thermoluminescent aerosol analysis [NASA-CASE-LAR-12046-1]	c 25	N78-15210	Laser Doppler velocity simulator [NASA-CASE-LAR-12176-1]	c 36	N80-16321
Deploy/release system [NASA-CASE-LAR-11575-1]	c 02	N76-16014	CW ultrasonic bolt tensioning monitor [NASA-CASE-LAR-12016-1]	c 39	N78-15512	Static pressure orifice system testing method and apparatus [NASA-CASE-LAR-12269-1]	c 35	N80-18358
Clock setter [NASA-CASE-LAR-11458-1]	c 35	N76-16392	Solar heating system [NASA-CASE-LAR-12009-1]	c 44	N78-15560	Improved tire/wheel concept [NASA-CASE-LAR-11695-2]	c 37	N80-18402
Heat exchanger system and method [NASA-CASE-LAR-10799-2]	c 34	N76-17317	Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3]	c 74	N78-15879	Radar target for remotely sensing hydrological phenomena [NASA-CASE-LAR-12344-1]	c 43	N80-18498
Stack plume visualization system [NASA-CASE-LAR-11675-1]	c 45	N76-17656	TV fatigue crack monitoring system [NASA-CASE-LAR-11490-1]	c 39	N78-16387	Solar cell angular position transducer [NASA-CASE-LAR-11999-1]	c 44	N80-18552
Cascade plug nozzle [NASA-CASE-LAR-11674-1]	c 07	N76-18117	Method of making a composite sandwich lattice structure [NASA-CASE-LAR-11898-2]	c 24	N78-17149	Detection of the transitional layer between laminar and turbulent flow areas on a wing surface [NASA-CASE-LAR-12261-1]	c 02	N80-20224
Exhaust flow deflector [NASA-CASE-LAR-11570-1]	c 34	N76-18364	Composite lamination method [NASA-CASE-LAR-12019-1]	c 24	N78-17150	CDS solid state phase insensitive ultrasonic transducer [NASA-CASE-LAR-12304-1]	c 35	N80-20559
Method and apparatus for tensile testing of metal foil [NASA-CASE-LAR-10208-1]	c 35	N76-18400	Polyimide adhesives [NASA-CASE-LAR-12181-1]	c 27	N78-17205	Combined solar collector and energy storage system [NASA-CASE-LAR-12205-1]	c 44	N80-20810
Method and apparatus for fluffing, separating, and cleaning fibers [NASA-CASE-LAR-11224-1]	c 37	N76-18456	Thermal shock and erosion resistant tantalum carbide ceramic material [NASA-CASE-LAR-11902-1]	c 27	N78-17206	Noncontacting method for measuring angular deflection [NASA-CASE-LAR-12178-1]	c 74	N80-21138
Therapeutic hand exerciser [NASA-CASE-LAR-11667-1]	c 52	N76-19785	Optical scanner [NASA-CASE-LAR-11711-1]	c 74	N78-17866	Chromatically corrected virtual image visual display [NASA-CASE-LAR-12251-1]	c 74	N80-27185
Magnetic heading reference [NASA-CASE-LAR-11387-1]	c 04	N76-20114	Molded composite pyrogen igniter for rocket motors [NASA-CASE-LAR-12018-1]	c 20	N78-24275	Heat treat fixture and method of heat treating [NASA-CASE-LAR-11821-1]	c 26	N80-28492
Apparatus for positioning modular components on a vertical or overhead surface [NASA-CASE-LAR-11465-1]	c 37	N76-21554	Non-destructive method for applying and removing instrumentation on helicopter rotor blades [NASA-CASE-LAR-11201-1]	c 35	N78-24515	Dual acting slit control mechanism [NASA-CASE-LAR-11370-1]	c 35	N80-28686
Airfoil shape for flight at subsonic speeds [NASA-CASE-LAR-10585-1]	c 02	N76-22154	Two dimensional wedge/translating shroud nozzle [NASA-CASE-LAR-11919-1]	c 07	N78-27121	Visible and infrared polarization ratio spectrophotometer [NASA-CASE-LAR-12285-1]	c 35	N80-28687
Particulate and aerosol detector [NASA-CASE-LAR-11434-1]	c 35	N76-22509	Remote water monitoring system [NASA-CASE-LAR-11973-1]	c 35	N78-27384	Collapsible corrugated horn antenna [NASA-CASE-LAR-11745-1]	c 32	N80-29539
High temperature strain gage calibration fixture [NASA-CASE-LAR-11500-1]	c 35	N76-24523	Magnetic suspension and pointing system [NASA-CASE-LAR-11889-2]	c 37	N78-27424	Natural turbulence electrical power generator [NASA-CASE-LAR-11551-1]	c 44	N80-29834
Vacuum pressure molding technique [NASA-CASE-LAR-10073-1]	c 37	N76-24575	Device for measuring the contour of a surface [NASA-CASE-LAR-11869-1]	c 74	N78-27904	Partial interlamina separation system for composites [NASA-CASE-LAR-12065-1]	c 24	N81-14000
Instrumentation for measuring aircraft noise and sonic boom [NASA-CASE-LAR-11476-1]	c 07	N76-27232	Supersonic transport [NASA-CASE-LAR-11932-1]	c 05	N78-32086	Method for preparing addition type polyimide prepreps [NASA-CASE-LAR-12054-2]	c 27	N81-14078
Connector [NASA-CASE-LAR-11709-1]	c 37	N76-27567	Hypersonic airbreathing missile [NASA-CASE-LAR-12264-1]	c 15	N78-32168	Method and tool for machining a transverse slot about a bore [NASA-CASE-LAR-11855-1]	c 37	N81-14319
Capillary flow weld-bonding [NASA-CASE-LAR-11726-1]	c 37	N76-27568	Process for preparing thermoplastic aromatic polyimides [NASA-CASE-LAR-11828-1]	c 27	N78-32261	Aerodynamic side-force alleviator means [NASA-CASE-LAR-12326-1]	c 02	N81-14968
Detector absorptivity measuring method and apparatus [NASA-CASE-LAR-10907-1]	c 35	N76-29551	Magnetometer with a miniature transducer and automatic scanning [NASA-CASE-LAR-11617-2]	c 35	N78-32397	Leading edge vortex flaps for drag reduction [NASA-CASE-LAR-12750-1]	c 02	N81-19016
Method for detecting pollutants [NASA-CASE-LAR-11405-1]	c 45	N76-31714	Independent power generator [NASA-CASE-LAR-11208-1]	c 44	N78-32539	Compensating linkage for main rotor control [NASA-CASE-LAR-11797-1]	c 05	N81-19087
Wingtip vortex dissipator for aircraft [NASA-CASE-LAR-11645-1]	c 02	N77-10001	Pseudo continuous wave instrument [NASA-CASE-LAR-12260-1]	c 35	N79-10390			
Casting propellant in rocket engine [NASA-CASE-LAR-11995-1]	c 28	N77-10213						

Thrust augmented spin recovery device [NASA-CASE-LAR-11970-2]	c 08	N81-19130	Acoustic tooth cleaner [NASA-CASE-LAR-12471-1]	c 52	N82-29862	Self-correcting electronically scanned pressure sensor [NASA-CASE-LAR-12686-1]	c 35	N84-14491
Velocity vector control system augmented with direct lift control [NASA-CASE-LAR-12268-1]	c 08	N81-24106	Pyroelectric detector arrays [NASA-CASE-LAR-12363-1]	c 35	N82-31659	Apparatus and method for jet noise suppression [NASA-CASE-LAR-11903-2]	c 71	N84-14873
Direction sensitive laser velocimeter [NASA-CASE-LAR-12177-1]	c 36	N81-24422	Decoupler pylon: wing/store flutter suppressor [NASA-CASE-LAR-12468-1]	c 08	N82-32373	Missile rolling tail brake torque system [NASA-CASE-LAR-12751-1]	c 15	N84-16231
Tire/wheel concept [NASA-CASE-LAR-11695-2]	c 37	N81-24443	Multwall thermal protection system [NASA-CASE-LAR-12620-1]	c 24	N82-32417	Synchronously deployable truss structure [NASA-CASE-LAR-13117-1]	c 18	N84-16250
Lightweight structural columns [NASA-CASE-LAR-12095-1]	c 31	N81-25258	Scanning atocal laser velocimeter projection lens system [NASA-CASE-LAR-12328-1]	c 36	N82-32712	Rotary target V-block [NASA-CASE-LAR-12007-3]	c 35	N84-16523
Foldable beam [NASA-CASE-LAR-12077-1]	c 31	N81-25259	Mechanical end joint system for structural column elements [NASA-CASE-LAR-12482-1]	c 37	N82-32732	Solar pumped laser [NASA-CASE-LAR-12870-1]	c 36	N84-16542
Cooling system for high speed aircraft [NASA-CASE-LAR-12406-1]	c 05	N81-26114	Photocapacitive image converter [NASA-CASE-LAR-12513-1]	c 44	N82-32841	Powder fed sheared dispersal particle generator [NASA-CASE-LAR-12785-1]	c 37	N84-16561
Pitch attitude stabilization system utilizing engine pressure ratio feedback signals [NASA-CASE-LAR-12562-1]	c 08	N81-26152	Pulsed phase locked loop strain monitor [NASA-CASE-LAR-12772-1]	c 33	N83-16626	Aircraft control position indicator [NASA-CASE-LAR-12984-1]	c 06	N84-20522
Orbiter/launch system [NASA-CASE-LAR-12250-1]	c 14	N81-26161	Ampoule sealing apparatus and process [NASA-CASE-LAR-12847-1]	c 33	N83-16633	Aerospace vehicle [NASA-CASE-LAR-13155-1]	c 18	N84-20628
Adaptive polarization separation [NASA-CASE-LAR-12196-1]	c 33	N81-26358	Sound shield [NASA-CASE-LAR-12883-1]	c 71	N83-17235	Improved impact tolerant material [NASA-CASE-LAR-12887-1]	c 24	N84-20649
Wingtip vortex turbine [NASA-CASE-LAR-12544-1]	c 07	N81-27096	Modified spiral wound retaining ring [NASA-CASE-LAR-12361-1]	c 37	N83-19091	Optimized bolted joint [NASA-CASE-LAR-13250-1]	c 37	N84-20859
Telescoping columns [NASA-CASE-LAR-12195-1]	c 31	N81-27324	Pumped vortex [NASA-CASE-LAR-12625-1]	c 02	N83-19715	Ultrasonic angle beam standard reflector [NASA-CASE-LAR-13153-1]	c 71	N84-21274
Helmet weight simulator [NASA-CASE-LAR-12320-1]	c 54	N81-27806	Line hook with loop expander [NASA-CASE-LAR-12875-1]	c 37	N83-20156	Slotted variable camber flap [NASA-CASE-LAR-12541-1]	c 05	N84-22551
Indirect microbial detection [NASA-CASE-LAR-12520-1]	c 51	N81-28698	A single frequency multitransmitter telemetry system [NASA-CASE-LAR-13006-1]	c 17	N83-20995	Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups [NASA-CASE-LAR-12723-2]	c 27	N84-22746
Rim inertial measuring system [NASA-CASE-LAR-12052-1]	c 18	N81-29152	Miniature spectrally selective dosimeter [NASA-CASE-LAR-12469-1]	c 35	N83-21311	Ethynyl and substituted ethynyl-terminated polysulfones [NASA-CASE-LAR-12931-1]	c 27	N84-22747
Tackifier for addition polyimides containing monoethylphthalate [NASA-CASE-LAR-12642-1]	c 27	N81-29229	Aeroelastic instability stoppers for wind tunnel models [NASA-CASE-LAR-12458-1]	c 44	N83-21503	Polyphenylene ethers with imide linking groups [NASA-CASE-LAR-12980-1]	c 27	N84-22749
Automated syringe sampler [NASA-CASE-LAR-12308-1]	c 35	N81-29407	Aeroelastic instability stoppers for wind tunnel models [NASA-CASE-LAR-12720-1]	c 44	N83-21504	Ultrasonic transducer with Gaussian radial pressure distribution [NASA-CASE-LAR-12967-1]	c 35	N84-22932
Method of making a partial interlaminar separation composite system [NASA-CASE-LAR-12065-2]	c 24	N81-33235	Pyroelectric detector arrays [NASA-CASE-LAR-12363-2]	c 33	N83-24763	Acoustic ground impedance meter [NASA-CASE-LAR-12995-1]	c 35	N84-22933
Wind tunnel supplementary Mach number minimum section insert [NASA-CASE-LAR-12532-1]	c 09	N82-11088	Elastomer toughened polyimide adhesives [NASA-CASE-LAR-12775-1]	c 27	N83-28240	Photoelectrochemical cells including chalcogenophosphate photoelectrodes [NASA-CASE-LAR-12958-1]	c 44	N84-23019
Aluminum ion-containing polyimide adhesives [NASA-CASE-LAR-12640-1]	c 27	N82-11206	Solar driven liquid metal MHD power generator [NASA-CASE-LAR-12495-1]	c 44	N83-28573	Latching mechanism for deployable-restorable columns [NASA-CASE-LAR-13169-1]	c 37	N84-25063
Small conductive particle sensor [NASA-CASE-LAR-12552-1]	c 35	N82-11431	Stirling cycle cryogenic cooler [US-PATENT-4,389,849]	c 44	N83-28574	Chopped molecular beam multiplexing system [NASA-CASE-LAR-13174-1]	c 72	N84-25431
Large volume multiple-path nuclear pumped laser [NASA-CASE-LAR-12592-1]	c 36	N82-13415	Instrument for determining coincidence and elapse time between independent sources of random sequential events [NASA-CASE-LAR-12531-1]	c 35	N83-29651	Heads up display [NASA-CASE-LAR-12630-1]	c 06	N84-27733
Moving body velocity arresting line [NASA-CASE-LAR-12372-1]	c 37	N82-18601	Flow resistivity instrument [NASA-CASE-LAR-13053-1]	c 43	N83-29783	Shell tile thermal protection system [NASA-CASE-LAR-12862-1]	c 27	N84-27886
Variable response load limiting device [NASA-CASE-LAR-12801-1]	c 37	N82-20544	Vibration isolation and pressure compensation apparatus for sensitive instrumentation [NASA-CASE-LAR-12728-1]	c 35	N83-32026	Strain gage calibration [NASA-CASE-LAR-12743-1]	c 35	N84-28019
Air removal device [NASA-CASE-XLA-8914-2]	c 25	N82-21269	Fixture for environmental exposure of structural materials under compression load [NASA-CASE-LAR-12602-1]	c 39	N83-32081	Directional gear ratio transmissions [NASA-CASE-LAR-12644-1]	c 37	N84-28084
Metric half-span model support system [NASA-CASE-LAR-12441-1]	c 09	N82-23254	Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups [NASA-CASE-LAR-12838-1]	c 27	N83-34040	Tubing and cable cutting tool [NASA-CASE-LAR-12786-1]	c 37	N84-28085
Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands [NASA-CASE-LAR-12412-1]	c 08	N82-24205	Solvent resistant thermoplastic aromatic poly(midesulfone) and process for preparing same [NASA-CASE-LAR-12858-1]	c 27	N83-34041	Radionuclide counting technique for measuring wind velocity and direction [NASA-CASE-LAR-12971-1]	c 47	N84-28292
Image readout device with electronically variable spatial resolution [NASA-CASE-LAR-12633-1]	c 33	N82-24416	Heating and cooling system [NASA-CASE-LAR-12393-1]	c 34	N83-34221	Medical clip [NASA-CASE-LAR-12650-1]	c 52	N84-28388
Hot foil transducer skin friction sensor [NASA-CASE-LAR-12321-1]	c 35	N82-24470	Auto covariance computer [NASA-CASE-LAR-12968-1]	c 35	N83-34273	Process of making medical clip [NASA-CASE-LAR-12650-2]	c 52	N84-28389
Continuous self-locking spiral wound seal [NASA-CASE-LAR-12315-1]	c 37	N82-24490	Variable anodic thermal control coating [NASA-CASE-LAR-12719-1]	c 44	N83-34449	Shapes for rotating airfoils [NASA-CASE-LAR-12396-1]	c 02	N84-28732
Solar engine [NASA-CASE-LAR-12148-1]	c 44	N82-24640	Sequentially deployable maneuverable tetrahedral beam [NASA-CASE-LAR-13098-1]	c 31	N83-35178	Sulfone-ester polymers containing pendant ethynyl groups [NASA-CASE-LAR-13316-1]	c 27	N84-28987
Fuselage structure using advanced technology fiber reinforced composites [NASA-CASE-LAR-11688-1]	c 24	N82-26384	Explosively activated egress area [NASA-CASE-LAR-12624-1]	c 01	N83-35992	Ethynyl-terminated ester oligomers and polymers therefrom [NASA-CASE-LAR-13118-1]	c 27	N84-28988
Electrically conductive palladium containing polyimide films [NASA-CASE-LAR-12705-1]	c 25	N82-26396	Error correction method and apparatus for electronic timepieces [NASA-CASE-LAR-12654-1]	c 33	N83-36357	Aircraft liftmeter [NASA-CASE-LAR-12518-1]	c 06	N84-32383
Digital demodulator [NASA-CASE-LAR-12659-1]	c 33	N82-26570	Family of airfoil shapes for rotating blades [NASA-CASE-LAR-12843-1]	c 02	N84-11136	A system for controlling the oxygen content of a gas produced by combustion [NASA-CASE-LAR-13257-1]	c 25	N84-32447
One-step dual purpose joining technique [NASA-CASE-LAR-12595-1]	c 33	N82-26571	Metal matrix composite structural panel construction [NASA-CASE-LAR-12807-1]	c 24	N84-11214	Structural pressure sensitive silicone adhesives [NASA-CASE-LAR-13270-1]	c 27	N84-32532
Liquid-immersible electrostatic ultrasonic transducer [NASA-CASE-LAR-12465-1]	c 33	N82-26572	Geometries for roughness shapes in laminar flow [NASA-CASE-LAR-13255-1]	c 02	N84-12092	Helicopter anti-torque system using strakes [NASA-CASE-LAR-13233-1]	c 05	N84-33400
Film advance indicator [NASA-CASE-LAR-12474-1]	c 35	N82-26628	Solar powered aircraft [NASA-CASE-LAR-12615-1]	c 05	N84-12154	Curved cap corrugated sheet [NASA-CASE-LAR-12884-1]	c 18	N84-33450
Interlocking wedge joint [NASA-CASE-LAR-12729-1]	c 37	N82-26676	Low energy electron magnetometer using a monoenergetic electron beam [NASA-CASE-LAR-12706-1]	c 35	N84-12444	Model mount system for testing flutter [NASA-CASE-LAR-12950-1]	c 09	N84-34448
Means for controlling aerodynamically induced twist [NASA-CASE-LAR-12175-1]	c 05	N82-28279	Ride quality meter [NASA-CASE-LAR-12882-1]	c 35	N84-12445	Process for improving mechanical properties of epoxy resins by addition of cobalt ions [NASA-CASE-LAR-13230-1]	c 24	N84-34571
Hermetically sealable package for hybrid solid-state electronic devices and the like [NASA-CASE-MSC-20181-1]	c 33	N82-28549	Vertical shaft windmill [NASA-CASE-LAR-12923-1]	c 37	N84-12493	Melt-flow-toughness modified polyimide [NASA-CASE-LAR-13135-1]	c 27	N84-34616
Apparatus and process for microbial detection and enumeration [NASA-CASE-LAR-12709-1]	c 35	N82-28604	Magnetic heading reference [NASA-CASE-LAR-12638-1]	c 04	N84-14132	Over the wing propeller [NASA-CASE-LAR-13134-1]	c 05	N85-19980
Method for forming pyrrone molding powders and products of said method [NASA-CASE-LAR-10423-1]	c 23	N82-29358	Hot melt recharge system [NASA-CASE-LAR-12881-1]	c 27	N84-14323	Remote pivot decoupler pylon [NASA-CASE-LAR-13173-1]	c 05	N85-19981

Leading edge flap system for aircraft control augmentation [NASA-CASE-LAR-12787-2] c 08 N85-19985	Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases [NASA-CASE-XLE-00690] c 25 N69-39884	Ion rocket Patent [NASA-CASE-XLE-00376] c 28 N70-37245
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups [NASA-CASE-LAR-12723-1] c 27 N85-20123	Ion thruster cathode [NASA-CASE-XLE-07087] c 06 N69-39889	Annular supersonic decelerator or drogue Patent [NASA-CASE-XLE-00222] c 02 N70-37939
Process for preparing solvent resistant, thermoplastic aromatic poly(midesulfone) [NASA-CASE-LAR-12858-2] c 27 N85-20124	Superconducting alternator [NASA-CASE-XLE-02824] c 03 N69-39890	Rocket engine Patent [NASA-CASE-XLE-00342] c 28 N70-37980
Hot melt adhesive attachment pad [NASA-CASE-LAR-12894-1] c 27 N85-20125	Trode thermionic energy converter [NASA-CASE-XLE-01015] c 03 N69-39898	Variable sweep aircraft wing Patent [NASA-CASE-XLA-00350] c 02 N70-38011
Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines [NASA-CASE-LAR-13353-1] c 27 N85-20128	Slug flow magnetohydrodynamic generator [NASA-CASE-XLE-02083] c 03 N69-39983	Apparatus for transferring cryogenic liquids Patent [NASA-CASE-XLE-00345] c 15 N70-38020
Nebulization reflux concentrator [NASA-CASE-LAR-13254-1] c 31 N85-20154	Reduced gravity liquid configuration simulator [NASA-CASE-XLE-02624] c 12 N69-39988	Method of producing porous tungsten ionizers for ion rocket engines Patent [NASA-CASE-XLE-00455] c 28 N70-38197
Comparator with noise suppression [NASA-CASE-LAR-13151-1] c 33 N85-20247	Transpiration cooled turbine blade manufactured from wires Patent [NASA-CASE-XLE-00020] c 15 N70-33226	Method of making fiber reinforced metallic composites Patent [NASA-CASE-XLE-00231] c 17 N70-38198
Miniature electrooptical air flow sensor [NASA-CASE-LAR-13065-1] c 35 N85-20295	Rocket propellant injector Patent [NASA-CASE-XLE-00103] c 28 N70-33241	Rocket engine injector Patent [NASA-CASE-XLE-00111] c 28 N70-38199
Liquid thickness gage [NASA-CASE-LAR-13342-1] c 35 N85-20297	Modification and improvements to cooled blades Patent [NASA-CASE-XLE-00092] c 15 N70-33264	Reinforced metallic composites Patent [NASA-CASE-XLE-00228] c 17 N70-38490
Extended moment arm anti-spin device [NASA-CASE-LAR-12979-1] c 05 N85-21147	Colloid propulsion method and apparatus Patent [NASA-CASE-XLE-00817] c 28 N70-33265	Rocket motor system Patent [NASA-CASE-XLE-00323] c 28 N70-38505
Continuous laminar smoke generator [NASA-CASE-LAR-13014-1] c 09 N85-21178	High-vacuum condenser tank for ion rocket tests Patent [NASA-CASE-XLE-00168] c 11 N70-33278	Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent [NASA-CASE-XLE-00243] c 14 N70-38602
Elastomer toughened polyimide adhesives [NASA-CASE-LAR-12775-2] c 27 N85-21349	High temperature nickel-base alloy Patent [NASA-CASE-XLE-00151] c 17 N70-33283	Penshape exhaust nozzle for supersonic engine Patent [NASA-CASE-XLE-00057] c 28 N70-38711
Process for preparing highly optically transparent-colorless aromatic polyimide film [NASA-CASE-LAR-13351-1] c 27 N85-21360	Annular rocket motor and nozzle configuration Patent [NASA-CASE-XLE-00078] c 28 N70-33284	Multistage multiple-reentry turbine Patent [NASA-CASE-XLE-00085] c 28 N70-39895
Double reference pulsed phase locked loop (DRP-2L-2) [NASA-CASE-LAR-13310-1] c 32 N85-21441	Reinforced metallic composites Patent [NASA-CASE-XLE-02428] c 17 N70-33288	Gas lubricant compositions Patent [NASA-CASE-XLE-00353] c 18 N70-39897
Heat pipe cooled probe [NASA-CASE-LAR-12588-1] c 34 N85-21568	Process for applying a protective coating for salt bath brazing Patent [NASA-CASE-XLE-00046] c 15 N70-33311	Telescoping-spike supersonic inlet for aircraft engines Patent [NASA-CASE-XLE-00005] c 28 N70-39899
A two-axis, self-nulling skin friction balance [NASA-CASE-LAR-13294-1] c 35 N85-21610	Wire grid forming apparatus Patent [NASA-CASE-XLE-00023] c 15 N70-33330	High temperature spark plug Patent [NASA-CASE-XLE-00660] c 28 N70-39925
Reusable thermal cycling clamp [NASA-CASE-LAR-12868-1] c 37 N85-21651	Electro-thermal rocket Patent [NASA-CASE-XLE-00267] c 28 N70-33356	Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent [NASA-CASE-XLE-01512] c 12 N70-40124
Combined inlet and LEBU drag reduction system [NASA-CASE-LAR-13286-1] c 02 N85-28922	External liquid-spray cooling of turbine blades Patent [NASA-CASE-XLE-00037] c 28 N70-33372	Apparatus for absorbing and measuring power Patent [NASA-CASE-XLE-00720] c 14 N70-40201
Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom [NASA-CASE-LAR-13262-1] c 23 N85-28973	Apparatus for igniting solid propellants Patent [NASA-CASE-XLE-00207] c 28 N70-33375	Device for directionally controlling electromagnetic radiation Patent [NASA-CASE-XLE-01716] c 09 N70-40234
Lightweight piston [NASA-CASE-LAR-13150-1] c 24 N85-28975	Flexible seal for valves Patent [NASA-CASE-XLE-00101] c 15 N70-33376	Method for continuous variation of propellant flow and thrust in propulsive devices Patent [NASA-CASE-XLE-00177] c 28 N70-40367
Induction heating gun [NASA-CASE-LAR-13181-1] c 31 N85-29083	Apparatus for making a metal slurry product Patent [NASA-CASE-XLE-00010] c 15 N70-33382	Apparatus for increasing ion engine beam density Patent [NASA-CASE-XLE-00519] c 28 N70-41576
Vibration-free Raman Doppler velocimeter [NASA-CASE-LAR-13268-1] c 35 N85-29216	Energy conversion apparatus Patent [NASA-CASE-XLE-00212] c 03 N70-34134	Foldable conduit Patent [NASA-CASE-XLE-00620] c 32 N70-41579
Oscillating pressure device for dynamic calibration of pressure transducers [NASA-CASE-LAR-13094-1] c 35 N85-29217	Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent [NASA-CASE-XLE-00266] c 14 N70-34156	Liquid storage tank venting device for zero gravity environment Patent [NASA-CASE-XLE-01449] c 15 N70-41646
Flow through bacteria detection system [NASA-CASE-LAR-12871-1] c 35 N85-29218	Electrothermal rockets having improved heat exchangers Patent [NASA-CASE-XLE-01783] c 28 N70-34175	Method of making a regeneratively cooled combustion chamber Patent [NASA-CASE-XLE-00150] c 28 N70-41818
Daze fasteners [NASA-CASE-LAR-13009-1] c 37 N85-29285	Venting vapor apparatus Patent [NASA-CASE-XLE-00288] c 15 N70-34247	Instrument for the quantitative measurement of radiation at multiple wave lengths Patent [NASA-CASE-XLE-00011] c 14 N70-41946
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability [NASA-CASE-LAR-13040-1] c 37 N85-29286	Thrust vector control apparatus Patent [NASA-CASE-XLE-00208] c 28 N70-34294	Small rocket engine Patent [NASA-CASE-XLE-00685] c 28 N70-41992
Fully redundant mechanical release actuator [NASA-CASE-LAR-13198-1] c 37 N85-29287	High temperature heat source Patent [NASA-CASE-XLE-00490] c 33 N70-34545	Apparatus for positioning and loading a test specimen Patent [NASA-CASE-XLE-01300] c 15 N70-41993
Dual differential interferometer [NASA-CASE-LAR-12966-1] c 35 N85-30282	Inlet deflector for jet engines Patent [NASA-CASE-XLE-00388] c 28 N70-34788	Liquid flow sight assembly Patent [NASA-CASE-XLE-02998] c 14 N70-42074
Mechanical fastener [NASA-CASE-LAR-12738-2] c 37 N85-30335	Radiant heater having formed filaments Patent [NASA-CASE-XLE-00387] c 33 N70-34812	Inductive liquid level detection system Patent [NASA-CASE-XLE-01609] c 14 N71-10500
Self-locking mechanical center joint [NASA-CASE-LAR-12864-1] c 37 N85-30336	Optical torque meter Patent [NASA-CASE-XLE-00503] c 14 N70-34818	Method of forming thin window drifted silicon charged particle detector Patent [NASA-CASE-XLE-00808] c 24 N71-10560
Method for thermal monitoring subcutaneous tissue [NASA-CASE-LAR-13028-1] c 52 N85-30618	Electric propulsion engine test chamber Patent [NASA-CASE-XLE-00252] c 11 N70-34844	Electrostatic thruster with improved insulators Patent [NASA-CASE-XLE-01902] c 28 N71-10574
Method for determining the point of zero zeta potential of semiconductor [NASA-CASE-LAR-12893-1] c 76 N85-30923	Conical valve plug Patent [NASA-CASE-XLE-00715] c 15 N70-34859	Thin-walled pressure vessel Patent [NASA-CASE-XLE-04677] c 15 N71-10577
Process for improving moisture resistance of epoxy resins by addition of chromium ions [NASA-CASE-LAR-13226-1] c 27 N85-34282	Channel-type shell construction for rocket engines and the like Patent [NASA-CASE-XLE-00144] c 28 N70-34860	Method of making a silicon semiconductor device Patent [NASA-CASE-XLE-02792] c 26 N71-10607
Tensile testing apparatus [NASA-CASE-LAR-13243-1] c 35 N85-34375	Non-reusable kinetic energy absorber Patent [NASA-CASE-XLE-00810] c 15 N70-34861	Metallic film diffusion for boundary lubrication Patent [NASA-CASE-XLE-01765] c 18 N71-10772
Wingtip vortex propeller [NASA-CASE-LAR-13019-1] c 07 N85-35194	High temperature testing apparatus Patent [NASA-CASE-XLE-00335] c 14 N70-35368	Molecular beam velocity selector Patent [NASA-CASE-XLE-01533] c 11 N71-10777
Dual towline spin-recovery device [NASA-CASE-LAR-13076-1] c 08 N85-35200	Ion thruster cathode Patent Application [NASA-CASE-LEW-10814-1] c 28 N70-35422	Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent [NASA-CASE-XLE-01246] c 14 N71-10797
National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio.	Formed metal ribbon wrap Patent [NASA-CASE-XLE-00184] c 15 N70-36411	Capacitor and method of making same Patent [NASA-CASE-LEW-10364-1] c 09 N71-13522
Foil seal [NASA-CASE-XLE-05130] c 15 N69-21362	Multistage multiple-reentry turbine Patent [NASA-CASE-XLE-00170] c 15 N70-36412	Capillary radiator Patent [NASA-CASE-XLE-03307] c 33 N71-14035
Fluid jet amplifier [NASA-CASE-XLE-03512] c 12 N69-21466	Fluid coupling Patent [NASA-CASE-XLE-00397] c 15 N70-36492	Electrostatic ion engine having a permanent magnetic circuit Patent [NASA-CASE-XLE-01124] c 28 N71-14043
Electrode and insulator with shielded dielectric junction [NASA-CASE-XLE-03778] c 09 N69-21542	Injector-valve device Patent [NASA-CASE-XLE-00303] c 15 N70-36535	
Thin window, drifted silicon, charged particle detector [NASA-CASE-XLE-10529] c 14 N69-23191	Nickel-base alloy Patent [NASA-CASE-XLE-00283] c 17 N70-36616	
	Apparatus having coaxial capacitor structure for measuring fluid density Patent [NASA-CASE-XLE-00143] c 14 N70-36618	
	Rocket thrust chamber Patent [NASA-CASE-XLE-00145] c 28 N70-36806	

Split welding chamber Patent [NASA-CASE-LEW-11531]	c 15	N71-14932	High temperature ferromagnetic cobalt-base alloy Patent [NASA-CASE-XLE-03629]	c 17	N71-23248	Integrated thermoelectric generator/space antenna combination [NASA-CASE-XER-09521]	c 09	N72-12136
Method and apparatus for making curved reflectors Patent [NASA-CASE-XLE-08917]	c 15	N71-15597	Induction furnace with perforated tungsten foil shielding Patent [NASA-CASE-XLE-04026]	c 14	N71-23267	Sensing probe [NASA-CASE-LEW-10281-1]	c 14	N72-17327
Method of making a diffusion bonded refractory coating Patent [NASA-CASE-XLE-01604-2]	c 15	N71-15610	Gd or Sm doped silicon semiconductor composition Patent [NASA-CASE-XLE-10715]	c 26	N71-23292	Method of making emf cell [NASA-CASE-LEW-11359-2]	c 03	N72-20034
Black-body furnace Patent [NASA-CASE-XLE-01399]	c 33	N71-15625	Protection of serially connected solar cells against open circuits by the use of shunting diode Patent [NASA-CASE-XLE-04535]	c 03	N71-23354	Gaseous control system for nuclear reactors [NASA-CASE-XLE-04599]	c 22	N72-20597
Method of igniting solid propellants Patent [NASA-CASE-XLE-01988]	c 27	N71-15634	Superconducting alternator Patent [NASA-CASE-XLE-02823]	c 09	N71-23443	Switching regulator [NASA-CASE-LEW-11005-1]	c 09	N72-21243
Fluid dispensing apparatus and method Patent [NASA-CASE-XLE-01182]	c 27	N71-15635	Silicon solar cell with cover glass bonded to cell by metal pattern Patent [NASA-CASE-XLE-08569]	c 03	N71-23449	Saturation current protection apparatus for saturable core transformers [NASA-CASE-ERC-10075-2]	c 09	N72-22196
Automatically deploying nozzle exit cone extension Patent [NASA-CASE-XLE-01640]	c 31	N71-15637	Analytical test apparatus and method for determining oxide content of alkali metal Patent [NASA-CASE-XLE-01997]	c 06	N71-23527	Pulse coupling circuit [NASA-CASE-LEW-10433-1]	c 09	N72-22197
High temperature cobalt-base alloy Patent [NASA-CASE-XLE-00726]	c 17	N71-15644	Thermionic converter with current augmented by self induced magnetic field Patent [NASA-CASE-XLE-01903]	c 22	N71-23599	Solid state remote circuit selector switch [NASA-CASE-LEW-10387]	c 09	N72-22201
Method of making a rocket motor casing Patent [NASA-CASE-XLE-00409]	c 28	N71-15658	Semiconductor material and method of making same Patent [NASA-CASE-XLE-02798]	c 26	N71-23654	Load-insensitive electrical device [NASA-CASE-XER-11046]	c 09	N72-22203
Rocket motor casing Patent [NASA-CASE-XLE-05689]	c 28	N71-15659	Insulation system Patent [NASA-CASE-XLE-02647]	c 18	N71-23658	High speed rolling element bearing [NASA-CASE-LEW-10856-1]	c 15	N72-22490
Electrostatic ion rocket engine Patent [NASA-CASE-XLE-02066]	c 28	N71-15661	Self-lubricating fluoride metal composite materials Patent [NASA-CASE-XLE-08511]	c 18	N71-23710	Production of metal powders [NASA-CASE-XLE-06461]	c 17	N72-22530
High temperature cobalt-base alloy Patent [NASA-CASE-XLE-02991]	c 17	N71-16025	Alloys for bearings Patent [NASA-CASE-XLE-05033]	c 15	N71-23810	Nickel base alloy [NASA-CASE-LEW-10874-1]	c 17	N72-22535
Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent [NASA-CASE-XLE-02082]	c 17	N71-16026	Extrusion die for refractory metals Patent [NASA-CASE-XLE-06773]	c 15	N71-23817	Ion thruster magnetic field control [NASA-CASE-LEW-10835-1]	c 28	N72-22771
Method of improving the reliability of a rolling element system Patent [NASA-CASE-XLE-02999]	c 15	N71-16052	Combustion chamber Patent [NASA-CASE-XLE-04857]	c 28	N71-23968	Electrically conductive fluorocarbon polymer [NASA-CASE-XLE-06774-2]	c 06	N72-25150
Process of casting heavy slips Patent [NASA-CASE-XLE-00106]	c 15	N71-16076	Metallic film diffusion for boundary lubrication Patent [NASA-CASE-XLE-10337]	c 15	N71-24046	Analog Signal to Discrete Time Interval Converter (ASDTIC) [NASA-CASE-ERC-10048]	c 09	N72-25251
Boiler for generating high quality vapor Patent [NASA-CASE-XLE-00785]	c 33	N71-16104	Process for producing dispersion strengthened nickel with aluminum Patent [NASA-CASE-XLE-06969]	c 17	N71-24142	Controllable load insensitive power converters [NASA-CASE-ERC-10268]	c 09	N72-25252
Method of making self lubricating fluoride-metal composite materials Patent [NASA-CASE-XLE-08511-2]	c 18	N71-16105	Thermal radiation shielding Patent [NASA-CASE-XLE-03432]	c 33	N71-24145	Angular velocity and acceleration measuring apparatus [NASA-CASE-ERC-10292]	c 14	N72-25410
Thrust and direction control apparatus Patent [NASA-CASE-XLE-03583]	c 31	N71-17629	Method of attaching a cover glass to a silicon solar cell Patent [NASA-CASE-XLE-08569-2]	c 03	N71-24681	Electrical insulating layer process [NASA-CASE-LEW-10489-1]	c 15	N72-25447
Linear magnetic brake with two windings Patent [NASA-CASE-XLE-05079]	c 15	N71-17652	Rocket engine injector Patent [NASA-CASE-XLE-03157]	c 28	N71-24736	Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering [NASA-CASE-LEW-10450-1]	c 15	N72-25448
Method of lubricating rolling element bearings Patent [NASA-CASE-XLE-09527]	c 15	N71-17688	Multialarm summary alarm Patent [NASA-CASE-XLE-03061-1]	c 10	N71-24798	Selective nickel deposition [NASA-CASE-LEW-10965-1]	c 15	N72-25452
Hot wire liquid level detector for cryogenic fluids Patent [NASA-CASE-XLE-00454]	c 23	N71-17802	Apparatus for making curved reflectors Patent [NASA-CASE-XLE-08917-2]	c 15	N71-24836	Method of making fiber composites [NASA-CASE-LEW-10424-2-2]	c 18	N72-25539
Pulsed differential comparator circuit Patent [NASA-CASE-XLE-03804]	c 10	N71-19471	Flow angle sensor and read out system Patent [NASA-CASE-XLE-04503]	c 14	N71-24864	Electricity measurement devices employing liquid crystalline materials [NASA-CASE-ERC-10275]	c 26	N72-25680
Foil seal Patent [NASA-CASE-XLE-05130-2]	c 15	N71-19570	Shock tube powder dispersing apparatus Patent [NASA-CASE-XLE-04946]	c 17	N71-24911	Ablative system [NASA-CASE-LEW-10359]	c 33	N72-25911
Generator for a space power system Patent [NASA-CASE-XLE-04250]	c 09	N71-20446	Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1]	c 10	N71-25899	Inductance device with vacuum insulation [NASA-CASE-LEW-10330-1]	c 09	N72-27226
Method of making electrical contact on silicon solar cell and resultant product Patent [NASA-CASE-XLE-04787]	c 03	N71-20492	Heat activated cell with alkali anode and alkali salt electrolyte Patent [NASA-CASE-LEW-11358]	c 03	N71-26084	Apparatus for sensing temperature [NASA-CASE-XLE-05230]	c 14	N72-27410
Small plasma probe Patent [NASA-CASE-XLE-02578]	c 25	N71-20747	Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent [NASA-CASE-XLE-03940]	c 18	N71-26153	Apparatus for producing metal powders [NASA-CASE-XLE-06461-2]	c 17	N72-28535
Combined electrolysis device and fuel cell and method of operation Patent [NASA-CASE-XLE-01645]	c 03	N71-20904	Ion beam deflector Patent [NASA-CASE-LEW-10689-1]	c 28	N71-26173	Refractory metal base alloy composites [NASA-CASE-XLE-03940-2]	c 17	N72-28536
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent [NASA-CASE-XLE-00787]	c 14	N71-21090	Rolling element bearings Patent [NASA-CASE-XLE-09527-2]	c 15	N71-26189	Spiral groove seal [NASA-CASE-XLE-10326-2]	c 15	N72-29488
Control of transverse instability in rocket combustors Patent [NASA-CASE-XLE-04603]	c 33	N71-21507	Ion thruster accelerator system Patent [NASA-CASE-LEW-10106-1]	c 28	N71-26642	Production of high purity I-123 [NASA-CASE-LEW-10518-1]	c 24	N72-33681
High voltage divider system Patent [NASA-CASE-XLE-02008]	c 09	N71-21583	Propellant feed isolator Patent [NASA-CASE-LEW-10210-1]	c 28	N71-26781	Electrostatic collector for charged particles [NASA-CASE-LEW-11192-1]	c 09	N73-13208
Plasma device feed system Patent [NASA-CASE-XLE-02902]	c 25	N71-21694	Heat activated cell Patent [NASA-CASE-LEW-11359]	c 03	N71-28579	Method of making apparatus for sensing temperature [NASA-CASE-XLE-05230-2]	c 14	N73-13417
Burning rate control of solid propellants Patent [NASA-CASE-XLE-03494]	c 27	N71-21819	Process for glass coating an ion accelerator grid Patent [NASA-CASE-LEW-10278-1]	c 15	N71-28582	Method of forming superalloys [NASA-CASE-LEW-10805-1]	c 15	N73-13465
Protective device for machine and metalworking tools Patent [NASA-CASE-XLE-01092]	c 15	N71-22797	Fluid jet amplifier Patent [NASA-CASE-XLE-09341]	c 12	N71-28741	Rocket thrust throttling system [NASA-CASE-LEW-10374-1]	c 28	N73-13773
Cryogenic insulation system Patent [NASA-CASE-XLE-04222]	c 23	N71-22881	Gas core nuclear reactor Patent [NASA-CASE-LEW-10250-1]	c 22	N71-28759	Gas turbine engine fuel control [NASA-CASE-LEW-11187-1]	c 28	N73-19793
Method for producing fiber reinforced metallic composites Patent [NASA-CASE-XLE-03925]	c 18	N71-22894	Gas turbine combustor Patent [NASA-CASE-LEW-10286-1]	c 28	N71-28915	Thermocouple tape [NASA-CASE-LEW-11072-1]	c 14	N73-24472
Thermal shock apparatus Patent [NASA-CASE-XLE-02024]	c 14	N71-22964	Cyclic switch Patent [NASA-CASE-LEW-10155-1]	c 09	N71-29035	Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias [NASA-CASE-LEW-10920-1]	c 17	N73-24569
Arc electrode of graphite with ball tip Patent [NASA-CASE-XLE-04788]	c 09	N71-22987	Temperature reducing coating for metals subject to flame exposure Patent [NASA-CASE-XLE-00035]	c 33	N71-29151	Magneto-plasma-dynamic arc thruster [NASA-CASE-LEW-11180-1]	c 25	N73-25760
Gas purged dry box glove Patent [NASA-CASE-XLE-02531]	c 05	N71-23080	Liquid spray cooling method Patent [NASA-CASE-XLE-00027]	c 33	N71-29152	Ablative system [NASA-CASE-LEW-10359-2]	c 33	N73-25952
Automatic recording McLeod gauge Patent [NASA-CASE-XLE-03280]	c 14	N71-23093	Turbo-machine blade vibration damper Patent [NASA-CASE-XLE-00155]	c 28	N71-29154	Parasitic suppressing circuit [NASA-CASE-ERC-10403-1]	c 10	N73-26228
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent [NASA-CASE-XLE-04501]	c 09	N71-23190	Corrosion resistant beryllium Patent [NASA-CASE-LEW-10327]	c 17	N71-33408	Twisted multifilament superconductor [NASA-CASE-LEW-11726-1]	c 26	N73-26752
						Ophthalmic method and apparatus [NASA-CASE-LEW-11669-1]	c 05	N73-27062
						Single grid accelerator for an ion thruster [NASA-CASE-XLE-10453-2]	c 28	N73-27699
						Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids [NASA-CASE-LEW-11325-1]	c 06	N73-27980

Method and apparatus for measuring electromagnetic radiation [NASA-CASE-LEW-11159-1]	c 14	N73-28488	Hall effect magnetometer [NASA-CASE-LEW-11632-2]	c 35	N75-13213	Process for preparing liquid metal electrical contact device [NASA-CASE-LEW-11978-1]	c 33	N77-26385
Welding blades to rotors [NASA-CASE-LEW-10533-1]	c 15	N73-28515	Method of protecting the surface of a substrate [NASA-CASE-LEW-11696-1]	c 37	N75-13261	Blade retainer assembly [NASA-CASE-LEW-12608-1]	c 07	N77-27116
Low mass rolling element for bearings [NASA-CASE-LEW-11087-1]	c 15	N73-30458	Circuit for detecting initial systole and diastolic notch [NASA-CASE-LEW-11581-1]	c 54	N75-13531	Hybrid composite laminate structures [NASA-CASE-LEW-12118-1]	c 24	N77-27188
Swirl can primary combustor [NASA-CASE-LEW-11326-1]	c 23	N73-30665	Method of making dished ion thruster grnds [NASA-CASE-LEW-11694-1]	c 20	N75-18310	Bimetallic junctions [NASA-CASE-LEW-11573-1]	c 26	N77-28265
Enhanced diffusion welding [NASA-CASE-LEW-11388-1]	c 15	N73-32358	Duplex aluminized coatings [NASA-CASE-LEW-11696-2]	c 26	N75-19408	Sustained arc ignition system [NASA-CASE-LEW-12444-1]	c 33	N77-28385
High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series [NASA-CASE-LEW-11152-1]	c 15	N73-32359	High speed, self-acting shaft seal [NASA-CASE-LEW-11274-1]	c 37	N75-21631	Hydrostatic bearing support [NASA-CASE-LEW-11158-1]	c 37	N77-28486
Nickel aluminate coated low alloy stainless steel [NASA-CASE-LEW-11267-1]	c 17	N73-32414	High power laser apparatus and system [NASA-CASE-XLE-2529-2]	c 36	N75-27364	Corneal seal device [NASA-CASE-LEW-12258-1]	c 52	N77-28716
Cobalt-base alloy [NASA-CASE-LEW-10436-1]	c 17	N73-32415	Combination automatic-starting electrical plasma torch and gas shutoff valve [NASA-CASE-XLE-10717]	c 37	N75-29426	Solar cell shingle [NASA-CASE-LEW-12587-1]	c 44	N77-31601
Nuclear fuel elements [NASA-CASE-XLE-00209]	c 22	N73-32528	Flow measuring apparatus [NASA-CASE-LEW-12078-1]	c 35	N75-30503	Platform for a swing root turbomachinery blade [NASA-CASE-LEW-12312-1]	c 07	N77-32148
Method of fabricating a twisted composite superconductor [NASA-CASE-LEW-11015]	c 26	N73-32571	Lubricated journal bearing [NASA-CASE-LEW-11078-3]	c 37	N75-30562	Directionally solidified eutectic gamma plus beta nickel-base superalloys [NASA-CASE-LEW-12906-1]	c 26	N77-32279
Space vehicle with artificial gravity and earth-like environment [NASA-CASE-LEW-11101-1]	c 31	N73-32750	Protected isotope heat source [NASA-CASE-LEW-11227-1]	c 73	N75-30876	Nickel base alloy [NASA-CASE-LEW-12270-1]	c 26	N77-32280
Production of hollow components for rolling element bearings by diffusion welding [NASA-CASE-LEW-11026-1]	c 15	N73-33383	Drilled ball bearing with a one piece anti-tipping cage assembly [NASA-CASE-LEW-11925-1]	c 37	N75-31446	Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance [NASA-CASE-LEW-12050-1]	c 35	N77-32454
Electron beam controller [NASA-CASE-LEW-11617-1]	c 33	N74-10195	Method of making an insulation foil [NASA-CASE-LEW-11484-1]	c 24	N75-33181	Spatial filter for Q-switched lasers [NASA-CASE-LEW-12164-1]	c 36	N77-32478
Spiral groove seal [NASA-CASE-LEW-10326-3]	c 37	N74-10474	Ophthalmic liquification pump [NASA-CASE-LEW-12051-1]	c 52	N75-33640	Deformable bearing seat [NASA-CASE-LEW-12527-1]	c 37	N77-32500
Method of heat treating a formed powder product material [NASA-CASE-LEW-10805-3]	c 26	N74-10521	Controlled separation combustor [NASA-CASE-LEW-11593-1]	c 20	N76-14190	Bearing seat usable in a gas turbine engine [NASA-CASE-LEW-12477-1]	c 37	N77-32501
Apparatus for welding blades to rotors [NASA-CASE-LEW-10533-2]	c 37	N74-11300	Rocket chamber and method of making [NASA-CASE-LEW-11118-2]	c 20	N76-14191	Fuel combustor [NASA-CASE-LEW-12137-1]	c 25	N78-10224
High powered arc electrodes [NASA-CASE-LEW-11162-1]	c 33	N74-12913	Shock position sensor for supersonic inlets [NASA-CASE-LEW-11915-1]	c 35	N76-14431	Oil cooling system for a gas turbine engine [NASA-CASE-LEW-12321-1]	c 37	N78-10467
Method of forming articles of manufacture from superalloy powders [NASA-CASE-LEW-10805-2]	c 37	N74-13179	Apparatus for forming dished ion thruster grids [NASA-CASE-LEW-11694-2]	c 37	N76-14461	Impact absorbing blade mounts for variable pitch blades [NASA-CASE-LEW-12313-1]	c 37	N78-10468
Deposition of alloy films [NASA-CASE-LEW-11262-1]	c 27	N74-13270	Covered silicon solar cells and method of manufacture [NASA-CASE-LEW-11065-2]	c 44	N76-14600	Method of forming metal hydride films [NASA-CASE-LEW-12083-1]	c 37	N78-13436
Supersonic-combustion rocket [NASA-CASE-LEW-11058-1]	c 20	N74-13502	High temperature beryllium oxide capacitor [NASA-CASE-LEW-11938-1]	c 33	N76-15373	<i>In-situ</i> laser retorting of oil shale [NASA-CASE-LEW-12217-1]	c 43	N78-14452
Method of making silicon solar cell array [NASA-CASE-LEW-11069-1]	c 44	N74-14784	Thermocouple tape [NASA-CASE-LEW-11072-2]	c 35	N76-15434	Multi-cell battery protection system [NASA-CASE-LEW-12039-1]	c 44	N78-14625
Spiral groove seal [NASA-CASE-XLE-10326-4]	c 37	N74-15125	Fluid journal bearings [NASA-CASE-LEW-11076-4]	c 37	N76-15461	Tissue macerating instrument [NASA-CASE-LEW-12668-1]	c 52	N78-14773
Method of making rolling element bearings [NASA-CASE-LEW-11087-2]	c 37	N74-15128	Deuterium pass through target [NASA-CASE-LEW-11866-1]	c 72	N76-15860	Trimerization of aromatic nitriles [NASA-CASE-LEW-12053-1]	c 27	N78-15276
Gas turbine exhaust nozzle [NASA-CASE-LEW-11569-1]	c 07	N74-15453	Fused silicide coatings containing discrete particles for protecting niobium alloys [NASA-CASE-LEW-11179-1]	c 27	N76-16229	Variable thrust nozzle for quiet turbofan engine and method of operating same [NASA-CASE-LEW-12317-1]	c 07	N78-17055
Demodulator for carrier transducers [NASA-CASE-NUC-10107-1]	c 33	N74-17930	Process for making anhydrous metal halides [NASA-CASE-LEW-11860-1]	c 37	N76-18458	Gas turbine engine with convertible accessories [NASA-CASE-LEW-12390-1]	c 07	N78-17056
Diffusion welding in air [NASA-CASE-LEW-11387-1]	c 37	N74-18128	Method of constructing dished ion thruster grids to provide hole array spacing compensation [NASA-CASE-LEW-11876-1]	c 20	N76-21276	Closed loop spray cooling apparatus [NASA-CASE-LEW-11981-1]	c 31	N78-17237
Airflow control system for supersonic inlets [NASA-CASE-LEW-11188-1]	c 02	N74-20646	Bearing material [NASA-CASE-LEW-11930-1]	c 24	N76-22309	Particle parameter analyzing system [NASA-CASE-XLE-06094]	c 33	N78-17293
Rapidly pulsed, high intensity, incoherent light source [NASA-CASE-XLE-2529-3]	c 33	N74-20859	Fluid seal for rotating shafts [NASA-CASE-LEW-11676-1]	c 37	N76-22541	Magnetic heat pumping [NASA-CASE-LEW-12508-1]	c 34	N78-17335
Electromagnetic flow rate meter [NASA-CASE-LEW-10981-1]	c 35	N74-21018	Method of making an apertured casting [NASA-CASE-LEW-11169-1]	c 37	N76-23570	Variable cycle gas turbine engines [NASA-CASE-LEW-12916-1]	c 37	N78-17384
Diffusion welding [NASA-CASE-LEW-11388-2]	c 37	N74-21055	Process for fabricating SiC semiconductor devices [NASA-CASE-LEW-12094-1]	c 76	N76-25049	Integrated gas turbine engine-nacelle [NASA-CASE-LEW-12389-2]	c 07	N78-18066
Journal bearings [NASA-CASE-LEW-11076-1]	c 37	N74-21061	Method of producing I-123 [NASA-CASE-LEW-11390-2]	c 25	N76-27383	Variable mixer propulsion cycle [NASA-CASE-LEW-12917-1]	c 07	N78-18067
Glass-to-metal seals comprising relatively high expansion metals [NASA-CASE-LEW-10698-1]	c 37	N74-21063	Production of I-123 [NASA-CASE-LEW-11390-3]	c 25	N76-29379	Tantalum modified ferritic iron base alloys [NASA-CASE-LEW-12095-1]	c 26	N78-18182
Hollow rolling element bearings [NASA-CASE-LEW-11087-3]	c 37	N74-21064	Thrust bearing [NASA-CASE-LEW-11949-1]	c 37	N76-29588	Directionally solidified eutectic gamma-gamma nickel-base superalloys [NASA-CASE-LEW-12905-1]	c 26	N78-18183
Low level signal limiter [NASA-CASE-XLE-04791]	c 32	N74-22096	Ion beam thruster shield [NASA-CASE-LEW-12082-1]	c 20	N77-10148	Thermal barrier coating system [NASA-CASE-LEW-12554-1]	c 34	N78-18355
Load insensitive electrical device [NASA-CASE-XER-11046-2]	c 33	N74-22864	Dual output variable pitch turbofan actuation system [NASA-CASE-LEW-12419-1]	c 07	N77-14025	Selective coating for solar panels [NASA-CASE-LEW-12159-1]	c 44	N78-19599
Reinforced structural plastics [NASA-CASE-LEW-10199-1]	c 27	N74-23125	Silicon nitride coated, plastic covered solar cell [NASA-CASE-LEW-11496-1]	c 44	N77-14580	Atomic hydrogen storage method and apparatus [NASA-CASE-LEW-12081-1]	c 28	N78-24365
Jet exhaust noise suppressor [NASA-CASE-LEW-11286-1]	c 07	N74-27490	Electrically rechargeable REDOX flow cell [NASA-CASE-LEW-12220-1]	c 44	N77-14581	Automotive gas turbine fuel control [NASA-CASE-LEW-12785-1]	c 37	N78-24545
High current electrical lead [NASA-CASE-LEW-10950-1]	c 33	N74-27683	Reverse pitch fan with divided splitter [NASA-CASE-LEW-12760-1]	c 07	N77-17059	Gas turbine engine with recirculating bleed [NASA-CASE-LEW-12452-1]	c 07	N78-25089
Magnetocaloric pump [NASA-CASE-LEW-11672-1]	c 37	N74-27904	Electronic analog divider [NASA-CASE-LEW-11881-1]	c 33	N77-17354	Counter pumping debris excluder and separator [NASA-CASE-LEW-11855-1]	c 07	N78-25090
Supersonic fan blading [NASA-CASE-LEW-11402-1]	c 07	N74-28226	Leading edge protection for composite blades [NASA-CASE-LEW-12550-1]	c 24	N77-19170	Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field [NASA-CASE-LEW-12465-1]	c 25	N78-25148
Production of pure metals [NASA-CASE-LEW-10906-1]	c 25	N74-30502	Method of making reinforced composite structure [NASA-CASE-LEW-12619-1]	c 24	N77-19171	Flow compensating pressure regulator [NASA-CASE-LEW-12718-1]	c 34	N78-25351
Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1]	c 20	N74-31269	Solar cell assembly [NASA-CASE-LEW-11549-1]	c 44	N77-19571	Solar cell collector [NASA-CASE-LEW-12552-1]	c 44	N78-25527
Method of electroforming a rocket chamber [NASA-CASE-LEW-11118-1]	c 20	N74-32919	Anode for ion thruster [NASA-CASE-LEW-12048-1]	c 20	N77-20162	Method of making encapsulated solar cell modules [NASA-CASE-LEW-12185-1]	c 44	N78-25528
Journal Bearings [NASA-CASE-LEW-11076-2]	c 37	N74-32921	Zirconium modified nickel-copper alloy [NASA-CASE-LEW-12245-1]	c 26	N77-20201			
			Gels as battery separators for soluble electrode cells [NASA-CASE-LEW-12364-1]	c 44	N77-22606			
			Oil cooling system for a gas turbine engine [NASA-CASE-LEW-12830-1]	c 07	N77-23106			

- Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
- Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
- Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
- Heat exchanger
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
- Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
- Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- Formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-1] c 44 N79-17313
- Method of making bearing materials
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-1] c 37 N79-18318
- Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
- Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425
- Atomic hydrogen storage
[NASA-CASE-LEW-12081-2] c 28 N80-20402
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Modification of the electrical and optical properties of polymers
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
- Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- Improved refractory coatings
[NASA-CASE-LEW-23189-2] c 26 N81-16209
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
- In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Toroidal cell and battery
[NASA-CASE-LEW-12918-1] c 44 N81-24521
- Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- High thermal power density heat transfer
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
- Multistage depressed collector for dual mode operation
[NASA-CASE-LEW-13282-1] c 33 N82-24415
- Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- Method and apparatus for strengthening boron fibers
[NASA-CASE-LEW-13826-1] c 24 N82-26385
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
- Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Method of protecting a surface with a silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- Nicral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
- Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
- Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- Improved nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N83-24639
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
- Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- Silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343] c 26 N83-31795

Thermal barrier coating system having improved adhesion [NASA-CASE-LEW-133590-1]	c 27	N83-31855	Textured carbon surfaces on copper [NASA-CASE-LEW-14130-1]	c 31	N85-20156	Gimbale, partially submerged rocket nozzle Patent [NASA-CASE-XMF-01544]	c 28	N70-34162
Gyrotron transmitting tube [NASA-CASE-LEW-13429-1]	c 33	N83-31952	Precision tunable resonant microwave cavity [NASA-CASE-LEW-13935-1]	c 33	N85-20248	Recoverable rocket vehicle Patent [NASA-CASE-XMF-00389]	c 31	N70-34176
Thermionic energy converters [NASA-CASE-LEW-12443-1]	c 44	N83-32175	Variable friction secondary seal for face seals [NASA-CASE-LEW-14170-1]	c 37	N85-20377	Electrical discharge apparatus for forming Patent [NASA-CASE-XMF-00375]	c 15	N70-34249
Advanced inorganic separators for alkaline batteries and method of making the same [NASA-CASE-LEW-13171-2]	c 44	N83-32176	Screen printed interdigitated back contact solar cell [NASA-CASE-LEW-13414-1]	c 44	N85-20530	Optical inspection apparatus Patent [NASA-CASE-XMF-00462]	c 14	N70-34298
High voltage v-groove solar cell [NASA-CASE-LEW-13401-2]	c 44	N83-32177	Lithium counterdoped silicon solar cell [NASA-CASE-LEW-14177-1]	c 44	N85-20535	Relay binary circuit Patent [NASA-CASE-XMF-00421]	c 09	N70-34502
Piezoelectric composite materials [NASA-CASE-LEW-12582-1]	c 76	N83-34796	Ring-cusp ion thruster with shell anode [NASA-CASE-LEW-13881-1]	c 20	N85-21256	Attitude and propellant flow control system and method Patent [NASA-CASE-XMF-00185]	c 21	N70-34539
Covering solid, film cooled surfaces with a duplex thermal barrier coating [NASA-CASE-LEW-13450-1]	c 31	N83-35177	Thermal barrier coating system [NASA-CASE-LEW-13324-2]	c 24	N85-21266	Electrical connector for flat cables Patent [NASA-CASE-XMF-00324]	c 09	N70-34596
Joining lead wires to thin platinum alloy films [NASA-CASE-LEW-13934-1]	c 35	N83-35338	Diamondlike flakes [NASA-CASE-LEW-13837-2]	c 24	N85-21267	Externally pressurized fluid bearing Patent [NASA-CASE-XMF-00515]	c 15	N70-34664
Apparatus for improving the fuel efficiency of a gas turbine engine [NASA-CASE-LEW-13142-1]	c 07	N83-36029	Ion-beam nitriding of steels [NASA-CASE-LEW-14104-1]	c 26	N85-21324	Force measuring instrument Patent [NASA-CASE-XMF-00456]	c 14	N70-34705
Hybrid power semiconductor switch [NASA-CASE-LEW-13922-1]	c 33	N84-11389	Chemical approach for controlling nadimide cure temperature and rate with maleimide [NASA-CASE-LEW-13770-3]	c 27	N85-21350	Seismic displacement transducer Patent [NASA-CASE-XMF-00479]	c 14	N70-34794
Additive for zinc electrodes [NASA-CASE-LEW-13286-1]	c 33	N84-14422	Chemical approach for controlling nadimide cure temperature and rate with maleimide [NASA-CASE-LEW-13770-4]	c 27	N85-21351	Electric arc welding Patent [NASA-CASE-XMF-00392]	c 15	N70-34814
Micronized coal burner facility [NASA-CASE-LEW-13426-1]	c 25	N84-16276	Chemical approach for controlling nadimide cure temperature and rate [NASA-CASE-LEW-13770-5]	c 27	N85-21352	Assembly for recovering a capsule Patent [NASA-CASE-XMF-00641]	c 31	N70-36410
Ladder supported ring bar circuit [NASA-CASE-LEW-13570-1]	c 33	N84-16452	Inelastic tunnel diodes [NASA-CASE-LEW-13833-1]	c 33	N85-21492	Printed cable connector Patent [NASA-CASE-XMF-00369]	c 09	N70-36494
Real time pressure signal system for a rotary engine [NASA-CASE-LEW-13622-1]	c 07	N84-22559	Solar energy converter using surface plasma waves [NASA-CASE-LEW-13827-1]	c 44	N85-21768	Landing pad assembly for aerospace vehicles Patent [NASA-CASE-XMF-02853]	c 31	N70-36654
Tip cap for a rotor blade [NASA-CASE-LEW-13654-1]	c 07	N84-22560	Chemical control of nadimide cure temperature and rate [NASA-CASE-LEW-13770-2]	c 25	N85-28982	Electric arc driven wind tunnel Patent [NASA-CASE-XMF-00411]	c 11	N70-36913
Diamondlike flake composites [NASA-CASE-LEW-13837-1]	c 24	N84-22695	Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid [NASA-CASE-LEW-13102-1]	c 33	N85-29144	Gravity device Patent [NASA-CASE-XMF-00424]	c 11	N70-38196
Method of making a light weight battery plaque [NASA-CASE-LEW-13349-1]	c 26	N84-22734	Apparatus for mounting a field emission cathode [NASA-CASE-LEW-14108-1]	c 33	N85-29149	Injector for bipropellant rocket engines Patent [NASA-CASE-XMF-01148]	c 28	N70-38710
Multicolor printing plate joining [NASA-CASE-LEW-13598-1]	c 35	N84-22930	High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes [NASA-CASE-LEW-12950-2]	c 34	N85-29179	Electronic motor control system Patent [NASA-CASE-XMF-01129]	c 09	N70-38712
Method and apparatus for coating substrates using a laser [NASA-CASE-LEW-13526-1]	c 36	N84-22944	Arc spray fabrication of metal matrix composite monotope [NASA-CASE-LEW-13828-1]	c 24	N85-30027	Slosh suppressing device and method Patent [NASA-CASE-XMF-00658]	c 12	N70-38997
Method of fabricating an abradable gas path seal [NASA-CASE-LEW-13269-2]	c 37	N84-22957	Chemical approach for controlling nadimide cure temperature and rate [NASA-CASE-LEW-13770-6]	c 25	N85-30039	Air bearing Patent [NASA-CASE-XMF-00339]	c 15	N70-39896
Heat pipes to reduce engine exhaust emissions [NASA-CASE-LEW-12590-1]	c 37	N84-22958	Variable force, eddy-current or magnetic damper [NASA-CASE-LEW-13717-1]	c 37	N85-30333	Instrument support with precise lateral adjustment Patent [NASA-CASE-XMF-00480]	c 14	N70-39898
Improved compliant hydrodynamic fluid journal bearing [NASA-CASE-LEW-13670-1]	c 37	N84-22959	Vortex generating flow passage design for increased film cooling effectiveness [NASA-CASE-LEW-14039-1]	c 34	N85-33433	Segmented back-up bar Patent [NASA-CASE-XMF-00640]	c 15	N70-39924
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt [NASA-CASE-LEW-13107-2]	c 52	N84-23095	Multistage spent particle collector and a method for making same [NASA-CASE-LEW-13914-1]	c 37	N85-33489	Collapsible loop antenna for space vehicle Patent [NASA-CASE-XMF-00437]	c 07	N70-40202
Combustor liner construction [NASA-CASE-LEW-14035-1]	c 07	N84-24577	Dual clearance squeeze film damper [NASA-CASE-LEW-13506-1]	c 37	N85-33490	Flexible back-up bar Patent [NASA-CASE-XMF-00722]	c 15	N70-40204
Method for strengthening boron fibers [NASA-CASE-LEW-13826-2]	c 24	N84-24711	Oxidizing seal for a turbine tip gas path [NASA-CASE-LEW-14053-1]	c 37	N85-34402	Electro-optical alignment control system Patent [NASA-CASE-XMF-00908]	c 14	N70-40238
Method and apparatus for gripping uniaxial fibrous composite materials [NASA-CASE-LEW-13758-1]	c 24	N84-27829	Thermionic photovoltaic energy converter [NASA-CASE-LEW-14077-1]	c 44	N85-34441	Missile launch release system Patent [NASA-CASE-XMF-03198]	c 30	N70-40353
Coating with overlay metallic-cermet alloy systems [NASA-CASE-LEW-13639-2]	c 26	N84-27855	Flow modifying device [NASA-CASE-LEW-13562-2]	c 07	N85-35195	Double-acting shock absorber Patent [NASA-CASE-XMF-01045]	c 15	N70-40354
Chemical approach for controlling nadimide cure temperature and rate [NASA-CASE-LEW-13770-1]	c 27	N84-27885	Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Portable alignment tool Patent [NASA-CASE-XMF-01452]	c 15	N70-41371
Dielectric based submillimeter backward wave oscillator circuit [NASA-CASE-LEW-13736-1]	c 33	N84-27974	Oxidation resistant slurry coating for carbon-based materials [NASA-CASE-LEW-13923-1]	c 26	N85-35267	Device for suppressing sound and heat produced by high-velocity exhaust jets Patent [NASA-CASE-XMF-01813]	c 28	N70-41582
Chromium electrodes for REDOX cells [NASA-CASE-LEW-13653-1]	c 44	N84-28205	Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Unfired-ceramic flame-resistant insulation and method of making the same Patent [NASA-CASE-XMF-01030]	c 18	N70-41583
Ion sputter textured graphite electrode plates [NASA-CASE-LEW-12919-2]	c 70	N84-28565	Oxidation resistant slurry coating for carbon-based materials [NASA-CASE-LEW-13923-1]	c 26	N85-35267	Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent [NASA-CASE-XMF-00906]	c 09	N70-41655
Oxygen recombination in individual pressure vessel nickel-hydrogen batteries [NASA-CASE-LEW-13822-1]	c 33	N84-29084	Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Support apparatus for dynamic testing Patent [NASA-CASE-XMF-01772]	c 11	N70-41677
Improved heat exchanger for electrothermal devices [NASA-CASE-LEW-14037-1]	c 20	N84-32425	Oxidation resistant slurry coating for carbon-based materials [NASA-CASE-LEW-13923-1]	c 26	N85-35267	Locking device with rolling detents Patent [NASA-CASE-XMF-01371]	c 15	N70-41829
Piezoelectric deicing device [NASA-CASE-LEW-13773-2]	c 35	N84-32782	Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Tank construction for space vehicles Patent [NASA-CASE-XMF-01899]	c 31	N70-41948
Negative electrode catalyst for the iron-chromium REDOX energy storage system [NASA-CASE-LEW-14028-1]	c 44	N84-32909	Oxidation resistant slurry coating for carbon-based materials [NASA-CASE-LEW-13923-1]	c 26	N85-35267	Positive displacement flowmeter Patent [NASA-CASE-XMF-02822]	c 14	N70-41994
Air modulation apparatus [NASA-CASE-LEW-13524-1]	c 07	N84-33410	Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Hydraulic support for dynamic testing Patent [NASA-CASE-XMF-03248]	c 11	N71-10604
Overlay metallic-cermet alloy coating systems [NASA-CASE-LEW-13639-1]	c 26	N84-33555	Oxidation resistant slurry coating for carbon-based materials [NASA-CASE-LEW-13923-1]	c 26	N85-35267	Fiber optic vibration transducer and analyzer Patent [NASA-CASE-XMF-02433]	c 14	N71-10616
Simplified dc to dc converter [NASA-CASE-LEW-13495-1]	c 33	N84-33663	Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Method and means for damping nutation in a satellite Patent [NASA-CASE-XMF-00442]	c 31	N71-10747
Diesel engine catalytic combustor system [NASA-CASE-LEW-12995-1]	c 37	N84-33808	Oxidation resistant slurry coating for carbon-based materials [NASA-CASE-LEW-13923-1]	c 26	N85-35267	Heat pipe thermionic diode power system Patent [NASA-CASE-XMF-05843]	c 03	N71-11055
Oxidation protection coatings for polymers [NASA-CASE-LEW-14072-1]	c 27	N85-20129	Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Synthesis of siloxane-containing epoxy polymers Patent [NASA-CASE-MFS-13994-1]	c 06	N71-11240
Deposition of diamondlike carbon films [NASA-CASE-LEW-14080-1]	c 31	N85-20153	Oxidation resistant slurry coating for carbon-based materials [NASA-CASE-LEW-13923-1]	c 26	N85-35267	Bi-carrier demodulator with modulation Patent [NASA-CASE-XMF-01160]	c 07	N71-11298
Apparatus for producing diamond-like carbon flakes [NASA-CASE-LEW-13837-3]	c 31	N85-20155	Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Harness assembly Patent [NASA-CASE-MFS-14671]	c 05	N71-12341
			Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Magnetic matrix memory system Patent [NASA-CASE-XMF-05835]	c 08	N71-12504
			Thermal barrier coating system [NASA-CASE-LEW-14057-1]	c 24	N85-35233	Pulse amplitude and width detector Patent [NASA-CASE-XMF-06519]	c 09	N71-12519

Microwave power receiving antenna Patent [NASA-CASE-MFS-20333] c 09 N71-13486	Continuous detonation reaction engine Patent [NASA-CASE-XMF-06926] c 28 N71-22983	A dc motor speed control system Patent [NASA-CASE-MFS-14610] c 09 N71-28886
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent [NASA-CASE-MFS-20074] c 16 N71-15565	Adaptive tracking notch filter system Patent [NASA-CASE-XMF-01892] c 10 N71-22986	Cryogenic thermal insulation Patent [NASA-CASE-XMF-05046] c 33 N71-28892
Reactance control system Patent [NASA-CASE-XMF-01598] c 21 N71-15583	Meteorological balloon Patent [NASA-CASE-XMF-04163] c 02 N71-23007	Method of coating through-holes Patent [NASA-CASE-XMF-05999] c 15 N71-29032
Apparatus for welding torch angle and seam tracking control Patent [NASA-CASE-XMF-03287] c 15 N71-15607	Continuous turning slip ring assembly Patent [NASA-CASE-XMF-01049] c 15 N71-23049	Response analyzers for sensors Patent [NASA-CASE-MFS-11204] c 14 N71-29134
Multway vortex valve system Patent [NASA-CASE-XMF-04709] c 15 N71-15609	Automatic welding speed controller Patent [NASA-CASE-XMF-01730] c 15 N71-23050	Current regulating voltage divider [NASA-CASE-MFS-20935] c 09 N71-34212
Injector assembly for liquid fueled rocket engines Patent [NASA-CASE-XMF-00968] c 28 N71-15660	Positive dc to positive dc converter Patent [NASA-CASE-XMF-14301] c 09 N71-23188	Nuclear mass flowmeter [NASA-CASE-MFS-20485] c 14 N72-11365
Space capsule ejection assembly Patent [NASA-CASE-XMF-03169] c 31 N71-15675	Zero gravity apparatus Patent [NASA-CASE-XMF-06515] c 14 N71-23227	Fine adjustment mount [NASA-CASE-MFS-20249] c 15 N72-11386
Air cushion lift pad Patent [NASA-CASE-MFS-14685] c 31 N71-15689	Positive dc to negative dc converter Patent [NASA-CASE-XMF-08217] c 03 N71-23239	Method of making foamed materials in zero gravity [NASA-CASE-XMF-09902] c 15 N72-11387
Method of making a molded connector Patent [NASA-CASE-XMF-03498] c 15 N71-15986	Evacuation port seal Patent [NASA-CASE-XMF-03290] c 15 N71-23256	Air bearing assembly for curved surfaces [NASA-CASE-MFS-20423] c 15 N72-11388
Regenerative braking system Patent [NASA-CASE-XMF-01096] c 10 N71-16030	Azimuth laying system Patent [NASA-CASE-XMF-01669] c 21 N71-23289	Stud-bonding gun [NASA-CASE-MFS-20299] c 15 N72-11392
Condition and condition duration indicator Patent [NASA-CASE-XMF-01097] c 10 N71-16058	Electron beam instrument for measuring electric fields Patent [NASA-CASE-XMF-10289] c 14 N71-23699	Apparatus for obtaining isotropic irradiation of a specimen [NASA-CASE-MFS-20095] c 24 N72-11595
Method and apparatus for securing to a spacecraft Patent [NASA-CASE-MFS-11133] c 31 N71-16222	Anemometer with braking mechanism Patent [NASA-CASE-XMF-05224] c 14 N71-23726	Wind tunnel test section [NASA-CASE-MFS-20509] c 11 N72-17183
Method and apparatus of simulating zero gravity conditions Patent [NASA-CASE-MFS-12750] c 27 N71-16223	Apparatus for testing a pressure responsive instrument Patent [NASA-CASE-XMF-04134] c 14 N71-23755	Multiple image storing system for high speed projectile holography [NASA-CASE-MFS-20596] c 14 N72-17324
Passive optical wind and turbulence detection system Patent [NASA-CASE-XMF-14032] c 20 N71-16340	Electric welding torch Patent [NASA-CASE-XMF-02330] c 15 N71-23798	Method of manufacturing semiconductor devices using refractory dielectrics [NASA-CASE-XER-08476-1] c 26 N72-17820
Serpentuator Patent [NASA-CASE-XMF-05344] c 31 N71-16345	Swivel support for gas bearings Patent [NASA-CASE-XMF-07808] c 15 N71-23812	Underwater space suit pressure control regulator [NASA-CASE-MFS-20332] c 05 N72-20097
Gravimeter Patent [NASA-CASE-XMF-05844] c 14 N71-17587	Welding skate with computerized control Patent [NASA-CASE-XMF-07069] c 15 N71-23815	Apparatus for making diamonds [NASA-CASE-MFS-20698] c 15 N72-20446
High pressure gas filter system Patent [NASA-CASE-MFS-12806] c 14 N71-17588	Docking structure for spacecraft Patent [NASA-CASE-XMF-05941] c 31 N71-23912	An airlock [NASA-CASE-MFS-20922] c 31 N72-20840
Burst diaphragm flow initiator Patent [NASA-CASE-MFS-12915] c 11 N71-17600	High pressure helium purifier Patent [NASA-CASE-XMF-06888] c 15 N71-24044	Photoetching of metal-oxide layers [NASA-CASE-ERC-10108] c 06 N72-21094
Vacuum deposition apparatus Patent [NASA-CASE-XMF-01667] c 15 N71-17647	Horizontal cryostat for fatigue testing Patent [NASA-CASE-XMF-10968] c 14 N71-24234	Liquid aerosol dispenser [NASA-CASE-MFS-20829] c 12 N72-21310
Quick disconnect latch and handle combination Patent [NASA-CASE-MFS-11132] c 15 N71-17649	Method for leakage testing of tanks Patent [NASA-CASE-XMF-02392] c 32 N71-24285	Optical probing of supersonic flows with statistical correlation [NASA-CASE-MFS-20642] c 14 N72-21407
Method and apparatus for precision sizing and joining of large diameter tubes Patent [NASA-CASE-XMF-05114] c 15 N71-17650	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] c 14 N71-24693	Mechanically actuated triggered hand [NASA-CASE-MFS-20413] c 15 N72-21463
Low temperature flexure fatigue cryostat Patent [NASA-CASE-XMF-02964] c 14 N71-17659	Pulse rise time and amplitude detector Patent [NASA-CASE-XMF-08804] c 09 N71-24717	Hermetically sealed elbow actuator [NASA-CASE-MFS-14710] c 09 N72-22195
Precision stepping drive Patent [NASA-CASE-MFS-14772] c 15 N71-17692	System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent [NASA-CASE-XMF-06892] c 09 N71-24805	Shielded flat cable [NASA-CASE-MFS-13687-2] c 09 N72-22198
Multi-mission module Patent [NASA-CASE-XMF-01543] c 31 N71-17730	Power system with heat pipe liquid coolant lines Patent [NASA-CASE-MFS-14114-2] c 09 N71-24807	Shock wave convergence apparatus [NASA-CASE-MFS-20890] c 14 N72-22439
Ratchet mechanism Patent [NASA-CASE-MFS-12805] c 15 N71-17805	Magnetomotive metal working device Patent [NASA-CASE-XMF-03793] c 15 N71-24833	Bonding of reinforced Teflon to metals [NASA-CASE-MFS-20482] c 15 N72-22492
Method of making impurity-type semiconductor electrical contacts Patent [NASA-CASE-XMF-01016] c 26 N71-17818	Apparatus for determining the deflection of an electron beam impinging on a target Patent [NASA-CASE-XMF-06617] c 09 N71-24843	Inorganic thermal control coatings [NASA-CASE-MFS-20011] c 18 N72-22566
Apparatus for the determination of the existence or non-existence of a bonding between two members Patent [NASA-CASE-MFS-13686] c 15 N71-18132	Transistor servo system including a unique differential amplifier circuit Patent [NASA-CASE-XMF-05195] c 10 N71-24861	High temperature furnace for melting materials in space [NASA-CASE-MFS-20710] c 11 N72-23215
Static inverters which sum a plurality of waves Patent [NASA-CASE-XMF-00663] c 08 N71-18752	RC rate generator for slow speed measurement Patent [NASA-CASE-XMF-02966] c 10 N71-24863	Siloxane containing epoxide compounds [NASA-CASE-MFS-13994-2] c 06 N72-25148
Space environmental work simulator Patent [NASA-CASE-XMF-07488] c 11 N71-18773	Method and apparatus for precision sizing and joining of large diameter tubes Patent [NASA-CASE-XMF-05114-3] c 15 N71-24865	Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups [NASA-CASE-MFS-20979] c 06 N72-25151
Space manufacturing machine Patent [NASA-CASE-MFS-20410] c 15 N71-19214	Duct coupling for single-handed operation Patent [NASA-CASE-MFS-20395] c 15 N71-24903	Emergency lunar communications system [NASA-CASE-MFS-21042] c 07 N72-25171
Extensometer Patent [NASA-CASE-XMF-04680] c 15 N71-19489	Brushless direct current tachometer Patent [NASA-CASE-MFS-20385] c 09 N71-24904	Lead attachment to high temperature devices [NASA-CASE-ERC-10224] c 09 N72-25261
Mechanical simulator of low gravity conditions Patent [NASA-CASE-MFS-10555] c 11 N71-19494	Self-lubricating gears and other mechanical parts Patent [NASA-CASE-MFS-14971] c 15 N71-24984	Device for measuring bearing preload [NASA-CASE-MFS-20434] c 11 N72-25288
Weld control system using thermocouple wire Patent [NASA-CASE-MFS-06074] c 15 N71-20393	Pulse width inverter Patent [NASA-CASE-MFS-10068] c 10 N71-25139	Altitude simulation chamber for rocket engine testing [NASA-CASE-MFS-20620] c 11 N72-27262
Evaporant source for vapor deposition Patent [NASA-CASE-XMF-06065] c 15 N71-20395	Isothermal cover with thermal reservoirs Patent [NASA-CASE-MFS-20355] c 33 N71-25353	Fixture for supporting articles during vibration tests [NASA-CASE-MFS-20523] c 14 N72-27412
Satellite despun device Patent [NASA-CASE-XMF-08523] c 31 N71-20396	Storage container for electronic devices Patent [NASA-CASE-MFS-20075] c 09 N71-26133	Electrical connector [NASA-CASE-MFS-20757] c 09 N72-28225
Method of coating circuit paths on printed circuit boards with solder Patent [NASA-CASE-XMF-01599] c 09 N71-20705	Method and apparatus for precision sizing and joining of large diameter tubes Patent [NASA-CASE-XMF-05114-2] c 15 N71-26148	Remote control manipulator for zero gravity environment [NASA-CASE-MFS-14405] c 15 N72-28495
Elastomeric silazane polymers and process for preparing the same Patent [NASA-CASE-XMF-04133] c 06 N71-20717	Filter system for control of outgas contamination in vacuum Patent [NASA-CASE-MFS-14711] c 15 N71-26185	Thermal compensating structural member [NASA-CASE-MFS-20433] c 15 N72-28496
Method of producing alternating ether siloxane copolymers Patent [NASA-CASE-XMF-02584] c 06 N71-20905	Image magnification adapter for cameras Patent [NASA-CASE-XMF-03844-1] c 14 N71-26474	Semiconductor transducer device [NASA-CASE-ERC-10087-2] c 14 N72-31446
Honeycomb panel and method of making same Patent [NASA-CASE-XMF-01402] c 18 N71-21651	Thickness measuring and injection device Patent [NASA-CASE-MFS-20261] c 14 N71-27005	Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc [NASA-CASE-MFS-20589] c 25 N72-32688
Portable milling tool Patent [NASA-CASE-XMF-03511] c 15 N71-22799	Personal propulsion unit Patent [NASA-CASE-MFS-20130] c 28 N71-27585	Process for the preparation of brushite crystals [NASA-CASE-ERC-10338] c 04 N72-33072
Energy absorbing device Patent [NASA-CASE-XMF-10040] c 15 N71-22877	Power system with heat pipe liquid coolant lines Patent [NASA-CASE-MFS-14114] c 33 N71-27862	Adjustable force probe [NASA-CASE-MFS-20760] c 14 N72-33377
	Method of making shielded flat cable Patent [NASA-CASE-MFS-13687] c 09 N71-28691	Polyimide resin-fiberglass cloth laminates for printed circuit boards [NASA-CASE-MFS-20408] c 18 N73-12604
		Differential pressure control [NASA-CASE-MFS-14216] c 14 N73-13418

Redundant hydraulic control system for actuators [NASA-CASE-MFS-20944]	c 15	N73-13466	Metabolic analyzer [NASA-CASE-MFS-21415-1]	c 52	N74-20728	Hole cutter [NASA-CASE-MFS-22649-1]	c 37	N75-25186
Device and method for determining X ray reflection efficiency of optical surfaces [NASA-CASE-MFS-20243]	c 23	N73-13662	Automatic quadrature control and measuring system [NASA-CASE-MFS-21660-1]	c 35	N74-21017	Apparatus for calibrating an image dissector tube [NASA-CASE-MFS-22208-1]	c 33	N75-26244
Process for making diamonds [NASA-CASE-MFS-20698-2]	c 15	N73-19457	Thiophenyl ether disloxanes and trisloxanes useful as lubricant fluids [NASA-CASE-MFS-22411-1]	c 37	N74-21058	Method of determining bond quality of power transistors attached to substrates [NASA-CASE-MFS-21931-1]	c 37	N75-26372
Test stand system for vacuum chambers [NASA-CASE-MFS-21362]	c 11	N73-20267	Airlock [NASA-CASE-MFS-20922-1]	c 18	N74-22136	Anti-gravity device [NASA-CASE-MFS-22758-1]	c 70	N75-26789
Material fatigue testing system [NASA-CASE-MFS-20673]	c 14	N73-20476	Low distortion automatic phase control circuit [NASA-CASE-MFS-21671-1]	c 33	N74-22885	Brazing alloy binder [NASA-CASE-XMF-05868]	c 26	N75-27125
Ratemeter [NASA-CASE-MFS-20418]	c 14	N73-24473	Two speed drive system [NASA-CASE-MFS-20645-1]	c 37	N74-23070	Brazing alloy composition [NASA-CASE-XMF-06053]	c 26	N75-27126
Underwater space suit pressure control regulator [NASA-CASE-MFS-20332-2]	c 05	N73-25125	Insert facing tool [NASA-CASE-MFS-21485-1]	c 37	N74-25968	Refractory porcelain enamel passive control coating for high temperature alloys [NASA-CASE-MFS-22324-1]	c 27	N75-27160
Maxometers (peak wind speed anemometers) [NASA-CASE-MFS-20916]	c 14	N73-25460	LC-oscillator with automatic stabilized amplitude via bias current control [NASA-CASE-MFS-21698-1]	c 33	N74-26732	Real time, large volume, moving scene holographic camera system [NASA-CASE-MFS-22537-1]	c 35	N75-27328
Monitoring deposition of films [NASA-CASE-MFS-20675]	c 26	N73-26751	Device for monitoring a change in mass in varying gravimetric environments [NASA-CASE-MFS-21556-1]	c 35	N74-26945	Method and apparatus for vibration analysis utilizing the Mossbauer effect [NASA-CASE-XMF-05882]	c 35	N75-27329
Docking structure for spacecraft [NASA-CASE-MFS-20863]	c 31	N73-26876	Holography utilizing surface plasmon resonances [NASA-CASE-MFS-22040-1]	c 35	N74-26946	Method of preparing graphite reinforced aluminum composite [NASA-CASE-MFS-21077-1]	c 24	N75-28135
Wide temperature range electronic device with lead attachment [NASA-CASE-ERC-10224-2]	c 09	N73-27150	Electrophoretic sample insertion [NASA-CASE-MFS-21395-1]	c 25	N74-26948	Carbon monoxide monitor [NASA-CASE-MFS-22060-1]	c 35	N75-29380
Restraint system for ergometer [NASA-CASE-MFS-21046-1]	c 14	N73-27377	Sprag solenoid brake [NASA-CASE-MFS-21846-1]	c 37	N74-26976	Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides [NASA-CASE-MFS-22356-1]	c 23	N75-30256
Apparatus and method for skin packaging articles [NASA-CASE-MFS-20855]	c 15	N73-27405	Device for configuring multiple leads [NASA-CASE-MFS-22133-1]	c 33	N74-26977	Integrable power gyrator [NASA-CASE-MFS-22342-1]	c 33	N75-30428
Ergometer [NASA-CASE-MFS-21109-1]	c 05	N73-27941	Thrust-isolating mounting [NASA-CASE-MFS-21680-1]	c 18	N74-27397	Isolated output system for a class D switching-mode amplifier [NASA-CASE-MFS-21616-1]	c 33	N75-30429
Tilting table for ergometer and for other biomedical devices [NASA-CASE-MFS-21010-1]	c 05	N73-30078	Battery testing device [NASA-CASE-MFS-20761-1]	c 44	N74-27519	Solar energy power system [NASA-CASE-MFS-21628-1]	c 44	N75-32581
Measurement system [NASA-CASE-MFS-20658-1]	c 14	N73-30386	Apparatus for establishing flow of a fluid mass having a known velocity [NASA-CASE-MFS-21424-1]	c 34	N74-27730	System for enhancing tool-exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1]	c 37	N75-33395
Collimator of multiple plates with axially aligned identical random arrays of apertures [NASA-CASE-MFS-20546-2]	c 14	N73-30389	Apparatus for conducting flow electrophoresis in the substantial absence of gravity [NASA-CASE-MFS-21394-1]	c 34	N74-27744	Externally supported internally stabilized flexible duct joint [NASA-CASE-MFS-19194-1]	c 37	N76-14460
Holographic thin film analyzer [NASA-CASE-MFS-20823-1]	c 16	N73-30476	Steady state thermal radiometers [NASA-CASE-MFS-21108-1]	c 34	N74-27861	Quick disconnect filter coupling [NASA-CASE-MFS-22323-1]	c 37	N76-14463
Semiconductor surface protection material [NASA-CASE-ERC-10339-1]	c 18	N73-30532	Conductive elastomeric extensometer [NASA-CASE-MFS-21049-1]	c 52	N74-27864	Panel for selectively absorbing solar thermal energy and the method of producing said panel [NASA-CASE-MFS-22562-1]	c 44	N76-14595
Polymenzable dislanols having in-chain perfluoroalkyl groups [NASA-CASE-MFS-20979-2]	c 06	N73-32030	Device for measuring tensile forces [NASA-CASE-MFS-21728-1]	c 35	N74-27865	Rapid activation and checkout device for batteries [NASA-CASE-MFS-22749-1]	c 44	N76-14601
Redundant speed control for brushless Hall effect motor [NASA-CASE-MFS-20207-1]	c 09	N73-32107	Three mirror glancing incidence system for X-ray telescope [NASA-CASE-MFS-21372-1]	c 74	N74-27866	Two stage light gas-plasma projectile accelerator [NASA-CASE-MFS-22287-1]	c 75	N76-14931
Induction motor control system with voltage controlled oscillator circuit [NASA-CASE-MFS-21465-1]	c 10	N73-32145	Flare detector operable in presence of proton radiation [NASA-CASE-MFS-21577-1]	c 19	N74-29410	Polymides of ether-linked aryl tetracarboxylic dianhydrides [NASA-CASE-MFS-22355-1]	c 23	N76-15268
Synthesis of superconducting compounds by explosive compaction of powders [NASA-CASE-MFS-20861-1]	c 18	N73-32437	Integrated P-channel MOS gyrator [NASA-CASE-MFS-22343-1]	c 33	N74-34638	Remotely operable articulated manipulator [NASA-CASE-MFS-22707-1]	c 37	N76-15457
Ultrasonic scanner for radial and flat panels [NASA-CASE-MFS-20335-1]	c 35	N74-10415	System for depositing thin films [NASA-CASE-MFS-20775-1]	c 31	N75-12161	Remote manipulator system [NASA-CASE-MFS-22022-1]	c 37	N76-15460
Digital computing cardiometer [NASA-CASE-MFS-20284-1]	c 52	N74-12778	Ultrasonic bone densitometer [NASA-CASE-MFS-20994-1]	c 35	N75-12271	Thermoelectric power system [NASA-CASE-MFS-22002-1]	c 44	N76-16612
Integrated circuit package with lead structure and method of preparing the same [NASA-CASE-MFS-21374-1]	c 33	N74-12951	Strain gauge ambiguity sensor for segmented mirror active optical system [NASA-CASE-MFS-20506-1]	c 35	N75-12273	Self-energized plasma compressor [NASA-CASE-MFS-22145-2]	c 75	N76-17951
Vee-notching device [NASA-CASE-MFS-20730-1]	c 39	N74-13131	Orthotic arm joint [NASA-CASE-MFS-21611-1]	c 54	N75-12616	Device for measuring the ferrite content in an austenitic stainless-steel weld [NASA-CASE-MFS-22907-1]	c 26	N76-18257
Ultrasonic scanning system for in-place inspection of brazed tube joints [NASA-CASE-MFS-20767-1]	c 38	N74-15130	Automatically operable self-leveling load table [NASA-CASE-MFS-22039-1]	c 09	N75-12968	Heat transfer device [NASA-CASE-MFS-22938-1]	c 34	N76-18374
Method and apparatus for checking the stability of a setup for making reflection type holograms [NASA-CASE-MFS-21455-1]	c 35	N74-15146	Phase-locked servo system [NASA-CASE-MFS-22073-1]	c 33	N75-13139	Holographic motion picture camera with Doppler shift compensation [NASA-CASE-MFS-22517-1]	c 35	N76-18402
Method and apparatus for nondestructive testing [NASA-CASE-MFS-21233-1]	c 38	N74-15395	Self-energized plasma compressor [NASA-CASE-MFS-22145-1]	c 75	N75-13625	Method of peening and portable peening gun [NASA-CASE-MFS-23047-1]	c 37	N76-18454
Real time moving scene holographic camera system [NASA-CASE-MFS-21087-1]	c 35	N74-17153	Clear air turbulence detector [NASA-CASE-MFS-21244-1]	c 36	N75-15028	Mixing insert for foam dispensing apparatus [NASA-CASE-MFS-20607-1]	c 37	N76-19436
Nonflammable coating compositions [NASA-CASE-MFS-20486-2]	c 27	N74-17283	Variable frequency inverter for ac induction motors with torque, speed and braking control [NASA-CASE-MFS-22088-1]	c 33	N75-15874	Traffic survey system [NASA-CASE-MFS-22631-1]	c 66	N76-19888
Metering gun for dispensing precisely measured charges of fluid [NASA-CASE-MFS-21163-1]	c 54	N74-17853	Leak detector [NASA-CASE-MFS-21761-1]	c 35	N75-15931	Electronic optical transfer function analyzer [NASA-CASE-MFS-21672-1]	c 74	N76-19935
Omnidirectional wheel [NASA-CASE-MFS-21309-1]	c 37	N74-18125	Ergometer calibrator [NASA-CASE-MFS-21045-1]	c 35	N75-15932	System for imposing directional stability on a rocket-propelled vehicle [NASA-CASE-MFS-21311-1]	c 20	N76-21275
Reinforced polyquinoxaline gasket and method of preparing the same [NASA-CASE-MFS-21364-1]	c 37	N74-18126	Space vehicle [NASA-CASE-MFS-22734-1]	c 18	N75-19329	Filtering device [NASA-CASE-MFS-22729-1]	c 32	N76-21366
Manual actuator [NASA-CASE-MFS-21481-1]	c 37	N74-18127	Meter for use in detecting tension in straps having predetermined elastic characteristics [NASA-CASE-MFS-22189-1]	c 35	N75-19615	Translatory shock absorber for attitude sensors [NASA-CASE-MFS-22905-1]	c 19	N76-22284
Cryogenic gyroscope housing [NASA-CASE-MFS-21136-1]	c 35	N74-18323	Multiplate focusing collimator [NASA-CASE-MFS-20932-1]	c 35	N75-19616	Device for installing rocket engines [NASA-CASE-MFS-19220-1]	c 20	N76-22296
Automatic frequency control for FM transmitter [NASA-CASE-MFS-21540-1]	c 32	N74-19790	Latching device [NASA-CASE-MFS-21606-1]	c 37	N75-19685	Deployable flexible tunnel [NASA-CASE-MFS-22636-1]	c 37	N76-22540
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver [NASA-CASE-MFS-21470-1]	c 44	N74-19870	Internally supported flexible duct joint [NASA-CASE-MFS-19193-1]	c 37	N75-19686	Solar energy absorber [NASA-CASE-MFS-22743-1]	c 44	N76-22657
Reduced gravity fecal collector seat and urnal [NASA-CASE-MFS-22102-1]	c 54	N74-20725	Pseudo-noise test set for communication system evaluation [NASA-CASE-MFS-22671-1]	c 35	N75-21582	Apparatus for reducing aerodynamic noise in a wind tunnel [NASA-CASE-MFS-23099-1]	c 09	N76-23273

Solar energy power system [NASA-CASE-MFS-21628-2]	c 44	N76-23675	Tetherline system for orbiting satellites [NASA-CASE-MFS-23564-1]	c 15	N78-25119	Aluminum or copper substrate panel for selective absorption of solar energy [NASA-CASE-MFS-23518-3]	c 44	N80-16452
Solar energy trap [NASA-CASE-MFS-22744-1]	c 44	N76-24696	Method and apparatus for conditioning of nickel-cadmium batteries [NASA-CASE-MFS-23270-1]	c 44	N78-25531	Method for separating biological cells [NASA-CASE-MFS-23883-1]	c 51	N80-16715
Failure detection and control means for improved drift performance of a gimbal platform system [NASA-CASE-MFS-23551-1]	c 04	N76-26175	Passive propellant system [NASA-CASE-MFS-23642-2]	c 20	N78-27176	Oceanic wave measurement system [NASA-CASE-MFS-23862-1]	c 48	N80-18667
Lead-oxygen dc power supply system having a closed loop oxygen and water system [NASA-CASE-MFS-23059-1]	c 44	N76-27664	Field effect transistor and method of construction thereof [NASA-CASE-MFS-23312-1]	c 33	N78-27326	Wind wheel electric power generator [NASA-CASE-MFS-23515-1]	c 44	N80-21828
Thermal energy storage system [NASA-CASE-MFS-23167-1]	c 44	N76-31667	Plasma cleaning device [NASA-CASE-MFS-22906-1]	c 75	N78-27913	Preparation of monotelect alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown [NASA-CASE-MFS-23816-1]	c 26	N80-23419
Aircraft-mounted crash-activated transmitter device [NASA-CASE-MFS-16609-3]	c 03	N76-32140	Process for spinning flame retardant elastomeric compositions [NASA-CASE-MSC-14331-3]	c 27	N78-32262	Coal-shale interface detector [NASA-CASE-MFS-23720-1]	c 43	N80-23711
Multiple in-line docking capability for rotating space stations [NASA-CASE-MFS-20855-1]	c 15	N77-10112	Velocity measurement system [NASA-CASE-MFS-23363-1]	c 35	N78-32396	Cork-resin ablative insulation for complex surfaces and method for applying the same [NASA-CASE-MFS-23626-1]	c 24	N80-26388
Attitude control system [NASA-CASE-MFS-22787-1]	c 15	N77-10113	Hybrid holographic non-destructive test system [NASA-CASE-MFS-23114-1]	c 38	N78-32447	Redundant motor drive system [NASA-CASE-MFS-23777-1]	c 37	N80-32716
Heat exchanger [NASA-CASE-MFS-22991-1]	c 34	N77-10463	FM/CW radar system [NASA-CASE-MFS-22234-1]	c 32	N79-10264	Three phase power factor controller [NASA-CASE-MFS-25535-1]	c 33	N81-12330
Focused laser Doppler velocimeter [NASA-CASE-MFS-23178-1]	c 35	N77-10493	Method of obtaining intensified image from developed photographic films and plates [NASA-CASE-MFS-23461-1]	c 35	N79-10389	Method and apparatus for shaping and enhancing acoustical levitation forces [NASA-CASE-MFS-25050-1]	c 71	N81-15767
Photovoltaic cell array [NASA-CASE-MFS-22458-1]	c 44	N77-10635	Computerized system for translating a torch head [NASA-CASE-MFS-23620-1]	c 37	N79-10421	Microwave integrated circuit for Josephson voltage standards [NASA-CASE-MFS-23845-1]	c 33	N81-17348
Wind measurement system [NASA-CASE-MFS-23362-1]	c 47	N77-10753	Rotatable mass for a flywheel [NASA-CASE-MFS-23051-1]	c 37	N79-10422	Process for preparation of large-particle-size monodisperse latexes [NASA-CASE-MFS-25000-1]	c 25	N81-19242
Mechanical thermal motor [NASA-CASE-MFS-23062-1]	c 37	N77-12402	Water system virus detection [NASA-CASE-MSC-16098-1]	c 51	N79-10693	Containerless high temperature calorimeter apparatus [NASA-CASE-MFS-23923-1]	c 35	N81-19426
Solid-state current transformer [NASA-CASE-MFS-22560-1]	c 33	N77-14335	Anastigmatic three-mirror telescope [NASA-CASE-MFS-23675-1]	c 89	N79-10969	Electrical power generating system [NASA-CASE-MFS-24368-3]	c 33	N81-22280
Actuator device for artificial leg [NASA-CASE-MFS-23225-1]	c 52	N77-14735	Apparatus for assembling space structure [NASA-CASE-MFS-23579-1]	c 18	N79-11108	Solar tracking system [NASA-CASE-MFS-23999-1]	c 44	N81-24520
Frequency modulated oscillator [NASA-CASE-MFS-23181-1]	c 33	N77-17351	Spherical bearing [NASA-CASE-MFS-23447-1]	c 37	N79-11404	Prosthetic urinary sphincter [NASA-CASE-MFS-23717-1]	c 52	N81-25660
Method of and means for testing a tape record/playback system [NASA-CASE-MFS-22671-2]	c 35	N77-17426	Method for making an aluminum or copper substrate panel for selective absorption of solar energy [NASA-CASE-MFS-23518-1]	c 44	N79-11469	Pneumatic inflatable end effector [NASA-CASE-MFS-23696-1]	c 54	N81-26718
Notch filter [NASA-CASE-MFS-23303-1]	c 32	N77-18307	System for the measurement of ultra-low stray light levels [NASA-CASE-MFS-23513-1]	c 74	N79-11865	Power factor control system for ac induction motors [NASA-CASE-MFS-23988-1]	c 33	N81-27395
Guide for a typewriter [NASA-CASE-MFS-15218-1]	c 37	N77-19457	Simulator method and apparatus for practicing the mating of an observer-controlled object with a target [NASA-CASE-MFS-23052-2]	c 74	N79-13855	Method of manufacture of bonded fiber flywheel [NASA-CASE-MFS-23674-1]	c 24	N81-29163
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking [NASA-CASE-MFS-23267-1]	c 35	N77-20401	Multilevel metallization method for fabricating a metal oxide semiconductor device [NASA-CASE-MFS-23541-1]	c 76	N79-14906	Biocentrifuge system capable of exchanging specimen cages while in operational mode [NASA-CASE-MFS-23825-1]	c 51	N81-32829
Emergency descent device [NASA-CASE-MFS-23074-1]	c 54	N77-21844	Direct current transformer [NASA-CASE-MFS-23659-1]	c 33	N79-17133	Motor power factor controller with a reduced voltage starter [NASA-CASE-MFS-25586-1]	c 33	N82-11360
Device for tensioning test specimens within an hermetically sealed chamber [NASA-CASE-MFS-23281-1]	c 35	N77-22450	Method of making a rocket nozzle [NASA-CASE-MFS-06884-1]	c 20	N79-21123	Method for retarding dye fading during archival storage of developed color photographic film [NASA-CASE-MFS-23250-1]	c 35	N82-11432
Combined docking and grasping device [NASA-CASE-MFS-23088-1]	c 37	N77-23483	Fluid thrust control system [NASA-CASE-MFS-05964-1]	c 20	N79-21124	Liquid immersion apparatus for minute articles [NASA-CASE-MFS-25363-1]	c 37	N82-12441
Method of growing composites of the type exhibiting the Soret effect [NASA-CASE-MFS-22926-1]	c 24	N77-27187	Rocket injector head [NASA-CASE-MFS-04592-1]	c 20	N79-21125	Controlled overspray spray nozzle [NASA-CASE-MFS-25139-1]	c 34	N82-13376
Method for measuring biaxial stress in a body subjected to stress inducing loads [NASA-CASE-MFS-23299-1]	c 39	N77-28511	Infusible silazane polymer and process for producing same [NASA-CASE-MFS-02526-1]	c 27	N79-21190	Multi-channel temperature measurement amplification system [NASA-CASE-MFS-23775-1]	c 44	N82-16474
Method for attaching a fused-quartz mirror to a conductive metal substrate [NASA-CASE-MFS-23405-1]	c 26	N77-29260	Fluorine-containing polyformals [NASA-CASE-MFS-06900-1]	c 27	N79-21191	Solar energy control system [NASA-CASE-MFS-25287-1]	c 44	N82-18686
Method of prepanning zinc orthotitanate pigment [NASA-CASE-MFS-23345-1]	c 27	N77-30237	Method and apparatus for prepanning multiconductor cable with flat conductors [NASA-CASE-MFS-10946-1]	c 31	N79-21226	Method of bonding plasticized elastomer to metal and articles produced thereby [NASA-CASE-MFS-25181-1]	c 27	N82-24340
Accumulator [NASA-CASE-MFS-19287-1]	c 34	N77-30399	Edge coating of flat wires [NASA-CASE-MFS-05757-1]	c 31	N79-21227	Amplified wind turbine apparatus [NASA-CASE-MFS-23830-1]	c 44	N82-24639
Tachometer [NASA-CASE-MFS-23175-1]	c 35	N77-30436	Stable superconducting magnet [NASA-CASE-MFS-05373-1]	c 33	N79-21264	Magnetic field control [NASA-CASE-MFS-23828-1]	c 33	N82-26569
Real time reflectometer [NASA-CASE-MFS-23118-1]	c 35	N77-31465	Retractable environmental seal [NASA-CASE-MFS-23646-1]	c 37	N79-22474	Exothermic furnace module [NASA-CASE-MFS-25707-1]	c 35	N82-26631
Method of crystallization [NASA-CASE-MFS-23001-1]	c 76	N77-32919	Horizontally mounted solar collector [NASA-CASE-MFS-23349-1]	c 44	N79-23481	Photoelectric detection system [NASA-CASE-MFS-23776-1]	c 33	N82-28545
Power factor control system for AC induction motors [NASA-CASE-MFS-23280-1]	c 33	N78-10376	Coal-shale interface detection [NASA-CASE-MFS-23720-3]	c 43	N79-25443	Apparatus for sequentially transporting containers [NASA-CASE-MFS-23846-1]	c 37	N82-32731
Germanium coated microbridge and method [NASA-CASE-MFS-23274-1]	c 33	N78-13320	General purpose rocket furnace [NASA-CASE-MFS-23460-1]	c 12	N79-26075	Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber [NASA-CASE-MFS-15670-1]	c 33	N82-33634
Laser extensometer [NASA-CASE-MFS-19259-1]	c 36	N78-14380	Contour measurement system [NASA-CASE-MFS-23726-1]	c 43	N79-26439	Electrophoresis device [NASA-CASE-MFS-25426-1]	c 25	N83-10126
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope [NASA-CASE-MFS-22409-2]	c 74	N78-15880	Method of construction of a multi-cell solar array [NASA-CASE-MFS-23540-1]	c 44	N79-26475	Combinational logic for generating gate drive signals for phase control rectifiers [NASA-CASE-MFS-25208-1]	c 33	N83-10345
Projection system for display of parallax and perspective [NASA-CASE-MFS-23194-1]	c 35	N78-17357	Thickness measurement system [NASA-CASE-MFS-23721-1]	c 31	N79-28370	Static continuous electrophoresis device [NASA-CASE-MFS-25306-1]	c 25	N83-13187
Gas ion laser construction for electrically isolating the pressure gauge thereof [NASA-CASE-MFS-22597]	c 36	N78-17366	Coal-rock interface detector [NASA-CASE-MFS-23725-1]	c 43	N79-31706	Collimated beam manifold with the number of output beams variable at a given output angle [NASA-CASE-MFS-25312-1]	c 74	N83-17305
Wrist joint assembly [NASA-CASE-MFS-23311-1]	c 54	N78-17676	Calibrating pressure switch [NASA-CASE-MFS-04494-1]	c 33	N79-33392	Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems [NASA-CASE-MFS-25843-1]	c 20	N83-17588
Semiconductor projectile impact detector [NASA-CASE-MFS-23008-1]	c 35	N78-18390	Passive propellant system [NASA-CASE-MFS-23642-1]	c 20	N80-10278	Method of preparing radially homogeneous mercury cadmium telluride crystals [NASA-CASE-MFS-25786-1]	c 76	N83-18533
Sprayable low density ablator and application process [NASA-CASE-MFS-23506-1]	c 24	N78-24290	Electrophoretic fractional elution apparatus employing a rotational seal fraction collector [NASA-CASE-MFS-23284-1]	c 37	N80-14397			
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction [NASA-CASE-MFS-23315-1]	c 76	N78-24950	Coal-shale interface detection system [NASA-CASE-MFS-23720-2]	c 43	N80-14423			
			Solar concentrator [NASA-CASE-MFS-23727-1]	c 44	N80-14473			

Extended range X-ray telescope [NASA-CASE-MFS-25282-1]	c 34	N83-19015	Diffuser/ejector system for a very high vacuum environment [NASA-CASE-MRS-25791-1]	c 09	N84-27749	Radiation and particle detector and amplifier [NASA-CASE-NPO-12128-1]	c 14	N73-32317
Automatic weld torch guidance control system [NASA-CASE-MFS-25807]	c 37	N83-20154	Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank [NASA-CASE-MFS-25853-1]	c 16	N84-27784	Expandable space frames [NASA-CASE-ERC-10365-1]	c 31	N73-32749
Electrical rotary joint apparatus for large space structures [NASA-CASE-MFS-23981-1]	c 07	N83-20944	Three stage rocket vehicle with parallel staging [NASA-CASE-MFS-25878-1]	c 18	N84-27787	Use of thin film light detector [NASA-CASE-NPO-11432-2]	c 35	N74-15090
Apparatus and method for inspecting a bearing ball [NASA-CASE-MFS-25833-1]	c 35	N83-21316	Phase detector for three-phase power factor controller [NASA-CASE-MFS-25854-1]	c 33	N84-27975	Temperature compensated digital inertial sensor [NASA-CASE-NPO-13044-1]	c 35	N74-15094
Optical stereo video signal processor [NASA-CASE-MFS-25752-1]	c 74	N83-21950	Device for determining frost depth and density [NASA-CASE-MFS-25754-1]	c 35	N84-28018	Compact hydrogenator [NASA-CASE-NPO-11682-1]	c 35	N74-15127
Gas levitator having fixed levitation node for containerless processing [NASA-CASE-MFS-25509-1]	c 35	N83-24828	Sonic levitation apparatus [NASA-CASE-MFS-25828-1]	c 71	N84-28568	Short range laser obstacle detector [NASA-CASE-NPO-11856-1]	c 36	N74-15145
Electrical power generating system [NASA-CASE-MFS-25302-1]	c 33	N83-28319	Apparatus for measuring charged particle beam [NASA-CASE-MFS-25641-1]	c 72	N84-28575	System for stabilizing cable phase delay utilizing a coaxial cable under pressure [NASA-CASE-NPO-13138-1]	c 33	N74-17927
Satellite retrieval system [NASA-CASE-MFS-25403-1]	c 18	N83-29303	Warm fog dissipation using large volume water sprays [NASA-CASE-MFS-25962-1]	c 09	N84-32398	Banded transformer cores [NASA-CASE-NPO-11966-1]	c 33	N74-17928
Method and apparatus for supercooling and solidifying substances [NASA-CASE-MFS-25242-1]	c 35	N83-29650	Measurement amplifier [NASA-CASE-MFS-25668-1]	c 33	N84-32680	Inverter ratio failure detector [NASA-CASE-NPO-13160-1]	c 35	N74-18090
Dual laser optical system and method for studying fluid flow [NASA-CASE-MFS-25315-1]	c 36	N83-29680	Bi-directional control system for energy flow in a solar powered flywheel [NASA-CASE-MFS-25978-1]	c 44	N84-32913	Heat transfer device [NASA-CASE-NPO-11120-1]	c 34	N74-18552
Beam connector apparatus and assembly [NASA-CASE-MFS-25134-1]	c 31	N83-31895	Coupling an induction motor type generator to ac power lines [NASA-CASE-MFS-25302-2]	c 33	N84-33660	Storage battery comprising negative plates of a wedge shaped configuration [NASA-CASE-NPO-11806-1]	c 44	N74-19693
Adaptive reference voltage generator for firing angle control of line-commutated inverters [NASA-CASE-MFS-25215-1]	c 33	N83-31953	Three-phase power factor controller with induced EMF sensing [NASA-CASE-MFS-25852-1]	c 33	N84-33661	Gated compressor, distortionless signal limiter [NASA-CASE-NPO-11820-1]	c 32	N74-19788
Trac failure detector [NASA-CASE-MFS-25607-1]	c 33	N83-34190	Longwall shearer tracking system [NASA-CASE-MFS-25717-1]	c 35	N84-33768	Apparatus for scanning the surface of a cylindrical body [NASA-CASE-NPO-11861-1]	c 36	N74-20009
Adaptive control system for line-commutated inverters [NASA-CASE-MFS-25209-1]	c 33	N83-35227	Impacting device for testing insulation [NASA-CASE-MFS-25862-2]	c 37	N84-33807	Decision feedback loop for tracking a polyphase modulated carrier [NASA-CASE-NPO-13103-1]	c 32	N74-20811
Wide dynamic range video camera [NASA-CASE-MFS-25750-1]	c 33	N83-35229	Magnetic spin reduction system for free spinning objects [NASA-CASE-MFS-25966-1]	c 15	N85-11122	Optically actuated two position mechanical motor [NASA-CASE-NPO-13105-1]	c 37	N74-21060
Apparatus and method for heating a material in a transparent ampoule [NASA-CASE-MFS-25436-1]	c 27	N83-36220	Low loss injector for liquid propellant rocket engines [NASA-CASE-MFG-25989-1]	c 20	N85-20008	Flow control valve [NASA-CASE-NPO-11951-1]	c 37	N74-21065
Cryogenic insulation strength and bond tester [NASA-CASE-MFS-25910-1]	c 27	N84-11297	Insulation bonding test system [NASA-CASE-MFS-25862-1]	c 27	N85-20126	Thin film gauge [NASA-CASE-NPO-10617-1]	c 35	N74-22095
Resilient seal ring assembly with spring means applying force to wedge member [NASA-CASE-MFS-25678-1]	c 37	N84-11497	Angular measurement system [NASA-CASE-MFS-25825-1]	c 35	N85-20298	High isolation RF signal selection switches [NASA-CASE-NPO-13081-1]	c 33	N74-22814
Apparatus for adapting an end effector device remotely controlled manipulator arm [NASA-CASE-MFS-25949-1]	c 37	N84-11501	Emitted vibration measurement device and method [NASA-CASE-MFS-25981-1]	c 35	N85-20299	Single reflector interference spectrometer and drive system therefor [NASA-CASE-NPO-11932-1]	c 35	N74-23040
Prosthetic occlusive device for an internal passageway [NASA-CASE-MFS-25740-1]	c 52	N84-11744	Adjustable indicating device for load position [NASA-CASE-MFS-28008-1]	c 35	N85-20300	Scanning nozzle plating system [NASA-CASE-NPO-11758-1]	c 31	N74-23065
Self-locking telescoping manipulator arm [NASA-CASE-MFS-25906-1]	c 54	N84-11761	Tube coupling device [NASA-CASE-MFS-25964-1]	c 37	N85-20378	Rock sampling [NASA-CASE-NXP-10007-1]	c 46	N74-23068
Constant-output atomizer [NASA-CASE-MFS-25631-1]	c 34	N84-12406	Photorefractor ocular screening system [NASA-CASE-MFS-26011-1SB]	c 52	N85-20639	Rock sampling [NASA-CASE-NXP-09755]	c 46	N74-23069
Heat sealable, flame and abrasion resistant coated fabric [NASA-CASE-MSC-18382-2]	c 27	N84-14324	Process for producing tris (n-methylamino) methylsilane [NASA-CASE-MFS-25721-1]	c 25	N85-21280	Miniature multichannel biotelemetry system [NASA-CASE-NPO-13065-1]	c 52	N74-26625
Electrical self-aligning connector [NASA-CASE-MFS-25211-2]	c 33	N84-14423	Solar powered actuator with continuously variable auxiliary power control [NASA-CASE-MFS-25637-1]	c 44	N85-21769	Dispensing targets for ion beam particle generators [NASA-CASE-NPO-13112-1]	c 73	N74-26767
Control system for an induction motor with energy recovery [NASA-CASE-MFS-25477-1]	c 33	N84-14424	Power control for ac motor [NASA-CASE-MFS-25861-1]	c 33	N85-22877	Optically detonated explosive device [NASA-CASE-NPO-11743-1]	c 28	N74-27425
Propulsion apparatus and method using boil-off gas from a cryogenic liquid [NASA-CASE-MFS-25946-1]	c 20	N84-15183	Double window viewing chamber assembly [NASA-CASE-MFS-28057-1]	c 09	N85-28951	Coherent receiver employing nonlinear coherence detection for carrier tracking [NASA-CASE-NPO-11921-1]	c 32	N74-30523
A dc to dc converter [NASA-CASE-MFS-25430-1]	c 33	N84-16453	Remotely operable peristaltic pump [NASA-CASE-MFS-28059-1]	c 37	N85-29288	Digital servo control of random sound test excitation [NASA-CASE-NPO-11623-1]	c 71	N74-31148
Pulsed thyristor trigger control circuit [NASA-CASE-MFS-25616-1]	c 33	N84-16455	Alignment and assembly tool for very large diameter cylinders [NASA-CASE-MFS-28001-1]	c 37	N85-29289	Capacitance multiplier and filter synthesizing network [NASA-CASE-NPO-11948-1]	c 33	N74-32712
High gradient directional solidification furnace [NASA-CASE-MFS-25963-1]	c 35	N84-16531	Non-backdrivable free wheeling coupling [NASA-CASE-MSC-20475-1]	c 37	N85-29290	Apparatus for forming drive belts [NASA-CASE-NPO-13205-1]	c 31	N74-32917
Clamp-mount device [NASA-CASE-MFS-25510-1]	c 37	N84-16560	Hemispherical latching apparatus [NASA-CASE-MFS-25837-1]	c 18	N85-29991	Tool for use in lifting pin supported objects [NASA-CASE-NPO-13157-1]	c 37	N74-32918
High-temperature, high-pressure optical cell [NASA-CASE-MFS-26000-1]	c 74	N84-16986	Improved fluid flow meter for measuring the rate of fluid flow in a conduit [NASA-CASE-MFS-28030-1]	c 35	N85-30286	Preparing oxidizer coated metal fuel particles [NASA-CASE-NPO-11975-1]	c 28	N74-33209
Spectral slicing X-ray telescope with variable magnification [NASA-CASE-MFS-25942-1]	c 89	N84-17084	Damping seal for turbomachinery [NASA-CASE-MFS-25842-2]	c 37	N85-30341	Geneva mechanism [NASA-CASE-NPO-13281-1]	c 37	N75-13266
Self-indexing latch system [NASA-CASE-MFS-25956-1]	c 37	N84-20860	Laser Schlieren crystal monitor [NASA-CASE-MFS-28060-1]	c 76	N85-30932	Amino acid analysis [NASA-CASE-NPO-12130-1]	c 25	N75-14844
Space probe/satellite ejection apparatus for spacecraft [NASA-CASE-MFS-15429-1]	c 18	N84-22609	Method of and apparatus for generating an interstitial point in a data stream having an even number of data points [NASA-CASE-MFS-25319-1]	c 60	N85-33701	Method of producing a storage bulb for an atomic hydrogen maser [NASA-CASE-NPO-13050-1]	c 36	N75-15029
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber [NASA-CASE-MFS-256704-1]	c 33	N84-22884	Variable length strut with longitudinal compliance and locking capability [NASA-CASE-MFS-25907-1]	c 37	N85-34401	Combined pressure regulator and shutoff valve [NASA-CASE-NPO-13201-1]	c 37	N75-15050
Three phase power factor controller [NASA-CASE-MFS-25535-2]	c 33	N84-22885	Method for treating wastewater using microorganisms and vascular aquatic plants [NASA-CASE-NSTL-10]	c 45	N84-12654	Reduction of blood serum cholesterol [NASA-CASE-NPO-12119-1]	c 52	N75-15270
Motor power control circuit for ac induction motors [NASA-CASE-MFS-25323-1]	c 33	N84-22886	National Aeronautics and Space Administration. National Space Technology Labs., Bay Saint Louis, Miss. Method for generating timing and control signals [NASA-CASE-NPO-13125-1]	c 33	N85-19519	Simultaneous acquisition of tracking data from two stations [NASA-CASE-NPO-13292-1]	c 32	N75-15854
Two-dimensional scanner apparatus [NASA-CASE-MFS-25687-1]	c 35	N84-22928	Method of forming diffractive polystyrene [NASA-CASE-NPO-10893]	c 27	N73-22710	Shock absorbing mount for electrical components [NASA-CASE-NPO-13253-1]	c 37	N75-18573
Method of and apparatus for double-exposure holographic interferometry [NASA-CASE-MFS-25405-1]	c 35	N84-22929	Phase control circuits using frequency multiplications for phased array antennas [NASA-CASE-ERC-10285]	c 10	N73-16206	System for generating timing and control signals [NASA-CASE-NPO-13125-1]	c 33	N75-19519
			Method of forming diffractive polystyrene [NASA-CASE-NPO-10893]	c 27	N73-22710	Motor run-up system [NASA-CASE-NPO-13374-1]	c 33	N75-19524
						Deep trap, laser activated image converting system [NASA-CASE-NPO-13131-1]	c 36	N75-19652
						Multitarget sequential sputtering apparatus [NASA-CASE-NPO-13345-1]	c 37	N75-19684
						Wide angle sun sensor [NASA-CASE-NPO-13327-1]	c 35	N75-23910

Maternal suspension within an acoustically excited resonant chamber	[NASA-CASE-NPO-13263-1]	c 12	N75-24774	System for minimizing internal combustion engine pollution emission	[NASA-CASE-NPO-13402-1]	c 37	N76-18457	Thermocouple installation	[NASA-CASE-NPO-13540-1]	c 35	N77-14409
Heat operated cryogenic electrical generator	[NASA-CASE-NPO-13303-1]	c 20	N75-24837	Hydrogen-bromine secondary battery	[NASA-CASE-NPO-13237-1]	c 44	N76-18641	Method and apparatus for background signal reduction in opto-acoustic absorption measurement	[NASA-CASE-NPO-13683-1]	c 35	N77-14411
System for interference signal nulling by polarization adjustment	[NASA-CASE-NPO-13140-1]	c 32	N75-24982	Hydrogen-rich gas generator	[NASA-CASE-NPO-13464-1]	c 44	N76-18642	Nuclear thermionic converter	[NASA-CASE-NPO-13121-1]	c 73	N77-18891
Heat detection and compositions and devices therefor	[NASA-CASE-NPO-10764-2]	c 35	N75-25122	Zinc-halide battery with molten electrolyte	[NASA-CASE-NPO-11961-1]	c 44	N76-18643	Continuous plasma laser	[NASA-CASE-XNP-04167-3]	c 36	N77-19416
Servo-controlled intravital microscope system	[NASA-CASE-NPO-13214-1]	c 35	N75-25123	Prontly interrupt system	[NASA-CASE-NPO-13067-1]	c 60	N76-18800	Multiple rate digital command detection system with range clean-up capability	[NASA-CASE-NPO-13753-1]	c 32	N77-20289
Ultrasonically bonded wave assembly	[NASA-CASE-NPO-13360-1]	c 37	N75-25185	Miniature muscle displacement transducer	[NASA-CASE-NPO-13519-1]	c 33	N76-19338	Charge storage diode modulators and demodulators	[NASA-CASE-NPO-10189-1]	c 33	N77-21314
Vehicle locating system utilizing AM broadcasting station cameras	[NASA-CASE-NPO-13217-1]	c 32	N75-26194	Zero torque gear head wrench	[NASA-CASE-NPO-13059-1]	c 37	N76-20480	Compact, high intensity arc lamp with internal magnetic field producing means	[NASA-CASE-NPO-11510-1]	c 33	N77-21315
Asynchronous, multiplexing, single line transmission and recovery data system	[NASA-CASE-NPO-13321-1]	c 32	N75-26195	Method and apparatus for measurement of trap density and energy distribution in dielectric films	[NASA-CASE-NPO-13443-1]	c 76	N76-20994	Depressurization of arc lamps	[NASA-CASE-NPO-10790-1]	c 33	N77-21316
Brazing alloy	[NASA-CASE-XNP-03878]	c 26	N75-27127	Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector	[NASA-CASE-NPO-13568-1]	c 32	N76-21365	Electromagnetic transducer recording head having a laminated core section and tapered gap	[NASA-CASE-NPO-10711-1]	c 35	N77-21392
Very high intensity light source using a cathode ray tube	[NASA-CASE-XNP-01296]	c 33	N75-27250	Indicator providing continuous indication of the presence of a specific pollutant in air	[NASA-CASE-NPO-13474-1]	c 45	N76-21742	Cryogenic liquid sensor	[NASA-CASE-NPO-10619-1]	c 35	N77-21393
Fluorescence detector for monitoring atmospheric pollutants	[NASA-CASE-NPO-13231-1]	c 45	N75-27585	Shared memory for a fault-tolerant computer	[NASA-CASE-NPO-13139-1]	c 60	N76-21914	Uniform variable light source	[NASA-CASE-NPO-11429-1]	c 74	N77-21941
Cooperative multiaxis sensor for teleoperation of article manipulating apparatus	[NASA-CASE-NPO-13386-1]	c 54	N75-27758	Wind sensor	[NASA-CASE-NPO-13462-1]	c 35	N76-24524	Arc control in compact arc lamps	[NASA-CASE-NPO-10870-1]	c 33	N77-22386
Heat sterilizable patient ventilator	[NASA-CASE-NPO-13313-1]	c 54	N75-27761	Fiber distributed feedback laser	[NASA-CASE-NPO-13531-1]	c 36	N76-24553	Hydraulic drain means for servo-systems	[NASA-CASE-NPO-10316-1]	c 37	N77-22479
Method of heat treating age-hardenable alloys	[NASA-CASE-XNP-01311]	c 26	N75-29236	Method of forming a wick for a heat pipe	[NASA-CASE-NPO-13391-1]	c 34	N76-27515	Automated multi-level vehicle parking system	[NASA-CASE-NPO-13058-1]	c 37	N77-22480
Satellite aided vehicle avoidance system	[NASA-CASE-ERC-10419-1]	c 03	N75-30132	Method and apparatus for nondestructive testing of pressure vessels	[NASA-CASE-NPO-12142-1]	c 38	N76-28563	Solar hydrogen generator	[NASA-CASE-LAR-11361-1]	c 44	N77-22607
Refrigerated coaxial coupling	[NASA-CASE-NPO-13504-1]	c 33	N75-30430	Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback	[NASA-CASE-NPO-13346-1]	c 36	N76-29575	Sun direction detection system	[NASA-CASE-NPO-13722-1]	c 74	N77-22951
Electric power generation system directory from laser power	[NASA-CASE-NPO-13308-1]	c 36	N75-30524	Stirling cycle engine and refrigeration systems	[NASA-CASE-NPO-13613-1]	c 37	N76-29590	Compact pulsed laser having improved heat conduction	[NASA-CASE-NPO-13147-1]	c 36	N77-25502
Subminiature insertable force transducer	[NASA-CASE-NPO-13423-1]	c 33	N75-31329	Hydrogen rich gas generator	[NASA-CASE-NPO-13342-2]	c 44	N76-29700	Isotope separation using metallic vapor lasers	[NASA-CASE-NPO-13550-1]	c 36	N77-26477
Symmetrical odd-modulus frequency divider	[NASA-CASE-NPO-13426-1]	c 33	N75-31330	Solar-powered pump	[NASA-CASE-NPO-13567-1]	c 44	N76-29701	Distributed feedback acoustic surface wave oscillator	[NASA-CASE-NPO-13673-1]	c 71	N77-26919
Stored charge transistor	[NASA-CASE-NPO-11156-2]	c 33	N75-31331	Hydrogen rich gas generator	[NASA-CASE-NPO-13464-2]	c 44	N76-29704	Penetrometer	[NASA-CASE-NPO-11103-1]	c 35	N77-27367
Doped Josephson tunneling junction for use in a sensitive IR detector	[NASA-CASE-NPO-13348-1]	c 33	N75-31332	Myocardium wall thickness transducer and measuring method	[NASA-CASE-NPO-13644-1]	c 52	N76-29895	Lightweight reflector assembly	[NASA-CASE-NPO-13707-1]	c 74	N77-28933
Acoustically controlled distributed feedback laser	[NASA-CASE-NPO-13175-1]	c 36	N75-31427	Catheter tip force transducer for cardiovascular research	[NASA-CASE-NPO-13643-1]	c 52	N76-29896	Aldehyde-containing urea-absorbing polysaccharides	[NASA-CASE-NPO-13620-1]	c 27	N77-30236
Inert gas metallic vapor laser	[NASA-CASE-NPO-13449-1]	c 36	N75-32441	Real time analysis of voiced sounds	[NASA-CASE-NPO-13465-1]	c 32	N76-31372	Phase substitution of spare converter for a failed one of parallel phase staggered converters	[NASA-CASE-NPO-13812-1]	c 33	N77-30365
Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions	[NASA-CASE-NPO-12122-1]	c 24	N76-14203	III-V photocathode with nitrogen doping for increased quantum efficiency	[NASA-CASE-NPO-12134-1]	c 33	N76-31409	Oil and fat absorbing polymers	[NASA-CASE-NPO-11609-2]	c 27	N77-31308
Helium refrigerator	[NASA-CASE-NPO-13435-1]	c 31	N76-14284	High resolution Fourier interferometer-spectrophotopolarimeter	[NASA-CASE-NPO-13604-1]	c 35	N76-31490	Combustion engine	[NASA-CASE-NPO-13671-1]	c 37	N77-31497
Nonlinear nonsingular feedback shift registers	[NASA-CASE-NPO-13451-1]	c 33	N76-14373	Reflected-wave maser	[NASA-CASE-NPO-13490-1]	c 36	N76-31512	Apparatus for photon excited catalysis	[NASA-CASE-NPO-13566-1]	c 25	N77-32255
Strain gage mounting assembly	[NASA-CASE-NPO-13170-1]	c 35	N76-14430	Method of making hollow elastomeric bodies	[NASA-CASE-NPO-13535-1]	c 37	N76-31524	Charge-coupled device data processor for an airborne imaging radar system	[NASA-CASE-NPO-13587-1]	c 32	N77-32342
Thermostatically controlled non-tracking type solar energy concentrator	[NASA-CASE-NPO-13497-1]	c 44	N76-14602	Solar cell grid patterns	[NASA-CASE-NPO-13087-2]	c 44	N76-31666	Direct reading inductance meter	[NASA-CASE-NPO-13792-1]	c 35	N77-32455
Multi-computer multiple data path hardware exchange system	[NASA-CASE-NPO-13422-1]	c 60	N76-14818	Furlable antenna	[NASA-CASE-NPO-13553-1]	c 33	N76-32457	Solar photolysis of water	[NASA-CASE-NPO-13675-1]	c 44	N77-32580
Cermet composition and method of fabrication	[NASA-CASE-NPO-13120-1]	c 27	N76-15311	Annular arc accelerator shock tube	[NASA-CASE-NPO-13528-1]	c 09	N77-10071	Low to high temperature energy conversion system	[NASA-CASE-NPO-13510-1]	c 44	N77-32581
Dichroic plate	[NASA-CASE-NPO-13506-1]	c 35	N76-15435	Cryostat system for temperatures on the order of 2 deg K or less	[NASA-CASE-NPO-13459-1]	c 31	N77-10229	Solar energy collection system	[NASA-CASE-NPO-13810-1]	c 44	N77-32582
Utilization of oxygen difluoride for syntheses of fluoropolymers	[NASA-CASE-NPO-12061-1]	c 27	N76-16228	The dc-to-dc converters employing staggered-phase power switches with two-loop control	[NASA-CASE-NPO-13512-1]	c 33	N77-10428	Three-dimensional tracking solar energy concentrator and method for making same	[NASA-CASE-NPO-13736-1]	c 44	N77-32583
Magnetometer using superconducting rotating body	[NASA-CASE-NPO-13388-1]	c 35	N76-16390	Ion and electron detector for use in an ICR spectrometer	[NASA-CASE-NPO-13479-1]	c 35	N77-10492	Overload protection system for power inverter	[NASA-CASE-NPO-13872-1]	c 33	N78-10377
Scan converting video tape recorder	[NASA-CASE-NPO-10166-2]	c 35	N76-16391	Hydrogen-rich gas generator	[NASA-CASE-NPO-13560-1]	c 44	N77-10636	Photoelectron spectrometer with means for stabilizing sample surface potential	[NASA-CASE-NPO-13772-1]	c 35	N78-10429
Hydrogen rich gas generator	[NASA-CASE-NPO-13342-1]	c 37	N76-16446	Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel	[NASA-CASE-NPO-13545-1]	c 32	N77-12240	Machine for use in monitoring fatigue life for a plurality of elastomeric specimens	[NASA-CASE-NPO-13731-1]	c 39	N78-10493
Automated system for identifying traces of organic chemical compounds in aqueous solutions	[NASA-CASE-NPO-13063-1]	c 25	N76-18245	Computer interface system	[NASA-CASE-NPO-13428-1]	c 60	N77-12721	Portable linear-focused solar thermal energy collecting system	[NASA-CASE-NPO-13734-1]	c 44	N78-10554
Analogue to digital converter	[NASA-CASE-NPO-13385-1]	c 33	N76-18345	High temperature oxidation resistant cermet compositions	[NASA-CASE-NPO-13666-1]	c 27	N77-13217	Acoustic energy shaping	[NASA-CASE-NPO-13802-1]	c 71	N78-10837
Sampler of gas borne particles	[NASA-CASE-NPO-13396-1]	c 35	N76-18401	Frequency discriminator and phase detector circuit	[NASA-CASE-NPO-11515-1]	c 33	N77-13315	High voltage, high current Schottky barrier solar cell	[NASA-CASE-NPO-13482-1]	c 44	N78-13526
Stark-effect modulation of CO2 laser with NH2D	[NASA-CASE-NPO-11945-1]	c 36	N76-18427	Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump	[NASA-CASE-NPO-13663-1]	c 35	N77-14406	Durable antistatic coating for polymethylmethacrylate	[NASA-CASE-NPO-13867-1]	c 27	N78-14164
Diffused waveguiding capillary tube with distributed feedback for a gas laser	[NASA-CASE-NPO-13544-1]	c 36	N76-18428					Ultra stable frequency distribution system	[NASA-CASE-NPO-13836-1]	c 32	N78-15323
								Selective image area control of X-ray film exposure density	[NASA-CASE-NPO-13808-1]	c 35	N78-15461
								Motion restraining device	[NASA-CASE-NPO-13619-1]	c 37	N78-16369

Ruler for making navigational computations [NASA-CASE-XNP-01458] c 04 N78-17031	Surfactant-assisted liquefaction of particulate carbonaceous substances [NASA-CASE-NPO-13904-1] c 25 N79-11152	Resolution enhanced sound detecting apparatus [NASA-CASE-NPO-14134-1] c 71 N79-23753
Nuclear alkylated pyridine aldehyde polymers and conductive composites thereof [NASA-CASE-NPO-10557] c 27 N78-17214	Electroexplosive device [NASA-CASE-NPO-13858-1] c 28 N79-11231	Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt [NASA-CASE-NPO-13969-1] c 76 N79-23798
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement [NASA-CASE-NPO-13764-1] c 27 N78-17215	Space-charge-limited solid-state diode [NASA-CASE-NPO-13064-1] c 33 N79-11314	Phase conjugation method and apparatus for an active retrodirective antenna array [NASA-CASE-NPO-13641-1] c 32 N79-24210
Purging means and method for Xenon arc lamps [NASA-CASE-NPO-11978] c 31 N78-17238	Plasma igniter for internal combustion engine [NASA-CASE-NPO-13828-1] c 37 N79-11405	Module failure isolation circuit for paralleled inverters [NASA-CASE-NPO-14000-1] c 33 N79-24254
Pressure transducer [NASA-CASE-NPO-11150] c 35 N78-17359	Solar photolysis of water [NASA-CASE-NPO-14126-1] c 44 N79-11470	Circuit for automatic load sharing in parallel converter modules [NASA-CASE-NPO-14056-1] c 33 N79-24257
Wobble gear drive mechanism [NASA-CASE-WOO-00625] c 37 N78-17385	Non-tracking solar energy collector system [NASA-CASE-NPO-13817-1] c 44 N79-11471	Bonding machine for forming a solar array strip [NASA-CASE-NPO-13652-2] c 44 N79-24431
Apparatus for handling micron size range particulate material [NASA-CASE-NPO-10151] c 37 N78-17386	Method of controlling defect orientation in silicon crystal ribbon growth [NASA-CASE-NPO-13918-1] c 76 N79-11920	Primary reflector for solar energy collection systems and method of making same [NASA-CASE-NPO-13579-3] c 44 N79-24432
Cross correlation anomaly detection system [NASA-CASE-NPO-13283] c 38 N78-17395	Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells [NASA-CASE-NPO-14100-1] c 44 N79-12541	Solar energy collection system [NASA-CASE-NPO-13579-2] c 44 N79-24433
Automatic visual inspection system for microelectronics [NASA-CASE-NPO-13282] c 38 N78-17396	Automated clinical system for chromosome analysis [NASA-CASE-NPO-13913-1] c 52 N79-12694	Compact artificial hand [NASA-CASE-NPO-13906-1] c 54 N79-24652
Low cost solar energy collection system [NASA-CASE-NPO-13579-1] c 44 N78-17460	Conical scan tracking system employing a large antenna [NASA-CASE-NPO-14009-1] c 32 N79-13214	Double-sided solar cell package [NASA-CASE-NPO-14199-1] c 44 N79-25482
Differential optoacoustic absorption detector [NASA-CASE-NPO-13759-1] c 74 N78-17867	Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6 [NASA-CASE-NPO-13993-1] c 72 N79-13826	Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means [NASA-CASE-NPO-13910-1] c 52 N79-27836
Interferometer mirror tilt correcting system [NASA-CASE-NPO-13687-1] c 35 N78-18391	High temperature resistant cermet and ceramic compositions [NASA-CASE-NPO-13690-2] c 27 N79-14213	Chemical vapor deposition reactor [NASA-CASE-NPO-13650-1] c 25 N79-28253
Over-under double-pass interferometer [NASA-CASE-NPO-13999-1] c 35 N78-18395	Inhibited solid propellant composition containing beryllium hydride [NASA-CASE-NPO-10866-1] c 28 N79-14228	High performance ammonium nitrate propellant [NASA-CASE-NPO-14260-1] c 28 N79-28342
Independent gain and bandwidth control of a traveling wave maser [NASA-CASE-NPO-13801-1] c 36 N78-18410	Digital demodulator-correlator [NASA-CASE-NPO-13982-1] c 32 N79-14267	Biocontamination and particulate detection system [NASA-CASE-NPO-13953-1] c 35 N79-28527
High temperature resistant cermet and ceramic compositions [NASA-CASE-NPO-13690-1] c 27 N78-19302	Azimuth correlator for real-time synthetic aperture radar image processing [NASA-CASE-NPO-14019-1] c 32 N79-14268	Solar cell with improved N-region contact and method of forming the same [NASA-CASE-NPO-14205-1] c 44 N79-31752
Underground mineral extraction [NASA-CASE-NPO-14140-1] c 31 N78-24387	Apparatus for providing a servo drive signal in a high-speed stepping interferometer [NASA-CASE-NPO-13569-2] c 35 N79-14348	Solar cell module [NASA-CASE-NPO-14467-1] c 44 N79-31753
Thin conformal antenna array for microwave power conversions [NASA-CASE-NPO-13886-1] c 32 N78-24391	High-torque open-end wrench [NASA-CASE-NPO-13541-1] c 37 N79-14383	Multi-channel rotating optical interface for data transmission [NASA-CASE-NPO-14066-1] c 74 N79-34011
Multistation refrigeration system [NASA-CASE-NPO-13839-1] c 31 N78-25256	Sun tracking solar energy collector [NASA-CASE-NPO-13921-1] c 44 N79-14526	Start up system for hydrogen generator used with an internal combustion engine [NASA-CASE-NPO-13849-1] c 28 N80-10374
Swept group delay measurement [NASA-CASE-NPO-13909-1] c 33 N78-25319	Primary reflector for solar energy collection systems [NASA-CASE-NPO-13579-4] c 44 N79-14529	Sodium storage and injection system [NASA-CASE-NPO-14384-1] c 37 N80-10494
Polymenc electrolytic hygrometer [NASA-CASE-NPO-13948-1] c 35 N78-25391	Gas diffusion liquid storage bag and method of use for storing blood [NASA-CASE-NPO-13930-1] c 52 N79-14749	System for detecting substructure microfractures and method therefore [NASA-CASE-NPO-14192-1] c 39 N80-10507
Charge transfer reaction laser with preionization means [NASA-CASE-NPO-13945-1] c 36 N78-27402	Coupling apparatus for ultrasonic medical diagnostic system [NASA-CASE-NPO-13935-1] c 52 N79-14751	Borehole geological assessment [NASA-CASE-NPO-14231-1] c 46 N80-10709
Hexagon solar power panel [NASA-CASE-NPO-12148-1] c 44 N78-27515	Thermomagnetic recording and magnetic-optic playback system [NASA-CASE-NPO-10872-1] c 35 N79-16246	Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control [NASA-CASE-NPO-14474-1] c 26 N80-14229
RF beam center location method and apparatus for power transmission system [NASA-CASE-NPO-13821-1] c 44 N78-28594	Manganese bismuth films with narrow transfer characteristics for Curie-point switching [NASA-CASE-NPO-11336-1] c 76 N79-16678	Electromagnetic power absorber [NASA-CASE-NPO-13830-1] c 32 N80-14281
Control for nuclear thermionic power source [NASA-CASE-NPO-13114-2] c 73 N78-28913	CCD correlated quadruple sampling processor [NASA-CASE-NPO-14426-1] c 33 N79-17134	Multiple anode arc lamp system [NASA-CASE-NPO-10857-1] c 33 N80-14330
Magneto-optic detection system with noise cancellation [NASA-CASE-NPO-11954-1] c 35 N78-29421	Multispectral imaging and analysis system [NASA-CASE-NPO-13691-1] c 43 N79-17288	Method for analyzing radiation sensitivity of integrated circuits [NASA-CASE-NPO-14350-1] c 33 N80-14332
Nitramine propellants [NASA-CASE-NPO-14103-1] c 28 N78-31255	Solar array strip and a method for forming the same [NASA-CASE-NPO-13652-1] c 44 N79-17314	Apparatus for electrolytically tapered or contoured cavities [NASA-CASE-XNP-08835-1] c 37 N80-14395
Reflex feed system for dual frequency antenna with frequency cutoff means [NASA-CASE-NPO-14022-1] c 32 N78-31321	Process for purification of waste water produced by a Kraft process pulp and paper mill [NASA-CASE-NPO-13847-2] c 85 N79-17747	Method for forming a solar array strip [NASA-CASE-NPO-13652-3] c 44 N80-14474
Solar pond [NASA-CASE-NPO-13581-2] c 44 N78-31525	Thermal energy transformer [NASA-CASE-NPO-14058-1] c 44 N79-18443	Ozonation of cooling tower waters [NASA-CASE-NPO-14340-1] c 45 N80-14579
Non-tracking solar energy collector system [NASA-CASE-NPO-13813-1] c 44 N78-31526	Electromagnetic radiation energy arrangement [NASA-CASE-WOO-00428-1] c 32 N79-19186	System for real-time crystal deformation monitoring [NASA-CASE-NPO-14124-1] c 46 N80-14603
Coal desulfurization process [NASA-CASE-NPO-13937-1] c 44 N78-31527	Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-1] c 72 N79-19195	Dialysis system [NASA-CASE-NPO-14101-1] c 52 N80-14687
Solid propellant motor [NASA-CASE-NPO-11458A] c 20 N78-32179	Method and turbine for extracting kinetic energy from a stream of two-phase fluid [NASA-CASE-NPO-14130-1] c 34 N79-20335	High resolution threshold photoelectron spectroscopy by electron attachment [NASA-CASE-NPO-14078-1] c 72 N80-14877
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil [NASA-CASE-NPO-08835-1] c 27 N78-33228	Terminal guidance sensor system [NASA-CASE-NPO-14521-1] c 54 N79-20746	Strong thin membrane structure [NASA-CASE-NPO-14021-2] c 27 N80-16163
Hydrogen-fueled engine [NASA-CASE-NPO-13763-1] c 44 N78-33526	Digital data reformatter/deserializer [NASA-CASE-NPO-13676-1] c 60 N79-20751	Antenna feed system for receiving circular polarization and transmitting linear polarization [NASA-CASE-NPO-14362-1] c 32 N80-16261
Plural output optometric sample cell and analysis system [NASA-CASE-NPO-10233-1] c 74 N78-33913	Acoustic driving of rotor [NASA-CASE-NPO-14005-1] c 71 N79-20827	Apparatus for endoscopic examination [NASA-CASE-NPO-14092-1] c 52 N80-16725
Portable electrophoresis apparatus using minimum electrolyte [NASA-CASE-NPO-13274-1] c 25 N79-10163	System and method for obtaining wide screen Schlieren photographs [NASA-CASE-NPO-14174-1] c 74 N79-20856	Method of producing silicon [NASA-CASE-NPO-14382-1] c 31 N80-18231
Automatic communication signal monitoring system [NASA-CASE-NPO-13941-1] c 32 N79-10262	Dynamic capacitor having a peripherally driven element and system incorporating the same [NASA-CASE-XNP-02899-1] c 33 N79-21265	High-speed data link for moderate distances and noisy environments [NASA-CASE-NPO-14152-1] c 32 N80-18252
Surface roughness measuring system [NASA-CASE-NPO-13862-1] c 35 N79-10391	Seismic vibration source [NASA-CASE-NPO-14112-1] c 46 N79-22679	Radio frequency arraying method for receivers [NASA-CASE-NPO-14328-1] c 32 N80-18253
Vehicular impact absorption system [NASA-CASE-NPO-14014-1] c 37 N79-10420	Underwater seismic source [NASA-CASE-NPO-14255-1] c 46 N79-23555	High power RF coaxial switch [NASA-CASE-NPO-14229-1] c 33 N80-18285
Dual membrane hollow fiber fuel cell and method of operating same [NASA-CASE-NPO-13732-1] c 44 N79-10513		Microwave power transmission beam safety system [NASA-CASE-NPO-14224-1] c 33 N80-18287
Combuster [NASA-CASE-NPO-13958-1] c 25 N79-11151		Viscosity measuring instrument [NASA-CASE-NPO-14501-1] c 35 N80-18357

Frequency-scanning particle size spectrometer [NASA-CASE-NPO-13606-2]	c 35	N80-18364	Recovery of aluminum from composite propellants [NASA-CASE-NPO-14110-1]	c 28	N81-15119	Optical gyroscope system [NASA-CASE-NPO-14258-1]	c 35	N81-33448
Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures [NASA-CASE-NPO-14254-1]	c 36	N80-18372	Continuous coal processing method [NASA-CASE-NPO-13758-2]	c 31	N81-15154	Head for high speed spinner having a vacuum chuck [NASA-CASE-NPO-15227-1]	c 37	N81-33482
Method of fabricating a photovoltaic module of a substantially transparent construction [NASA-CASE-NPO-14303-1]	c 44	N80-18550	Method and apparatus for quadrupole-shift-key and linear phase modulation [NASA-CASE-NPO-14444-1]	c 33	N81-15192	Fluidized bed coal combustion reactor [NASA-CASE-NPO-14273-1]	c 25	N82-11144
Driver for solar cell I-V characteristic plots [NASA-CASE-NPO-14096-1]	c 44	N80-18551	An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data [NASA-CASE-NPO-14998-1]	c 33	N81-15194	Scrubber for silicon wafers [NASA-CASE-NPO-15539-1]	c 37	N82-11469
Method and means for helium/hydrogen ratio measurement by alpha scattering [NASA-CASE-NPO-14079-1]	c 25	N80-20334	Speed control device for a heavy duty shaft [NASA-CASE-NPO-14170-1]	c 37	N81-15364	Sewage sludge additive [NASA-CASE-NPO-13877-1]	c 45	N82-11634
Satellite personal communications system [NASA-CASE-NPO-14480-1]	c 32	N80-20448	Redundant operation of counter modules [NASA-CASE-NPO-14162-1]	c 60	N81-15706	Real-time multiple-lock synthetic aperture radar processor for spacecraft applications [NASA-CASE-NPO-14054-1]	c 32	N82-12297
Velocity servo for continuous scan Fourier interference spectrometer [NASA-CASE-NPO-14093-1]	c 35	N80-20563	Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith [NASA-CASE-NPO-13530-1]	c 25	N81-17187	Microwave limb sounder [NASA-CASE-NPO-14544-1]	c 46	N82-12685
Portable heatable container [NASA-CASE-NPO-14237-1]	c 44	N80-20808	Molten salt pyrolysis of latex [NASA-CASE-NPO-14315-1]	c 27	N81-17261	Faraday rotation measurement method and apparatus [NASA-CASE-NPO-14839-1]	c 35	N82-15381
Process for the leaching of AP from propellant [NASA-CASE-NPO-14109-1]	c 28	N80-23471	Phase-angle controller for Stirling engines [NASA-CASE-NPO-14388-1]	c 37	N81-17432	Solar heated fluidized bed gasification system [NASA-CASE-NPO-15071-1]	c 44	N82-16475
Dual band combiner for horn antenna [NASA-CASE-NPO-14519-1]	c 32	N80-23524	Solar energy receiver for a Stirling engine [NASA-CASE-NPO-14619-1]	c 44	N81-17518	Method for shaping and aiming narrow beams [NASA-CASE-NPO-14632-1]	c 32	N82-18443
Passive intrusion detection system [NASA-CASE-NPO-13804-1]	c 33	N80-23559	System for forming a quadrified image comprising angularly related fields of view of a three dimensional object [NASA-CASE-NPO-14219-1]	c 74	N81-17886	Fiber optic transmission line stabilization apparatus and method [NASA-CASE-NPO-15036-1]	c 74	N82-19029
Quartz ball valve [NASA-CASE-NPO-14473-1]	c 37	N80-23654	Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect [NASA-CASE-NPO-14657-1]	c 74	N81-17887	Suspension system for a wheel rolling on a flat track [NASA-CASE-NPO-14395-1]	c 37	N82-21587
Method and apparatus for Doppler frequency modulation of radiation [NASA-CASE-NPO-14524-1]	c 32	N80-24510	Interferometer [NASA-CASE-NPO-14502-1]	c 74	N81-17888	Crude oil desulfurization [NASA-CASE-NPO-14542-1]	c 25	N82-23282
Method of mitigating titanium impurities effects in p-type silicon material for solar cells [NASA-CASE-NPO-14635-1]	c 44	N80-24741	Ion-exchange hollow fibers [NASA-CASE-NPO-13309-1]	c 25	N81-19244	Echo tracker/range finder for radars and sonars [NASA-CASE-NPO-14361-1]	c 32	N82-23376
Geological assessment probe [NASA-CASE-NPO-14558-1]	c 46	N80-24906	Apparatus for use in the production of ribbon-shaped crystals from a silicon melt [NASA-CASE-NPO-14297-1]	c 33	N81-19389	Constant magnification optical tracking system [NASA-CASE-NPO-14813-1]	c 74	N82-24072
Cooled echelle grating spectrometer [NASA-CASE-NPO-14372-1]	c 35	N80-26635	Elimination of current spikes in buck power converters [NASA-CASE-NPO-14505-1]	c 33	N81-19393	Pulse switching for high energy lasers [NASA-CASE-NPO-14556-1]	c 33	N82-24418
Simultaneous muscle force and displacement transducer [NASA-CASE-NPO-14212-1]	c 52	N80-27072	Copper doped polycrystalline silicon solar cell [NASA-CASE-NPO-14670-1]	c 44	N81-19558	Hermetic seal for a shaft [NASA-CASE-NPO-15115-1]	c 37	N82-24493
Miniature cyclotron resonance ion source using small permanent magnet [NASA-CASE-NPO-14324-1]	c 72	N80-27163	System and method for character recognition [NASA-CASE-NPO-11337-1]	c 74	N81-19896	Instrumentation for sensing moisture content of material using a transient thermal pulse [NASA-CASE-NPO-15494-1]	c 35	N82-25484
Silicone containing solid propellant [NASA-CASE-NPO-14477-1]	c 28	N80-28536	X-ray position detector [NASA-CASE-NPO-12087-1]	c 74	N81-19898	Automotive absorption air conditioner utilizing solar and motor waste heat [NASA-CASE-NPO-15183-1]	c 44	N82-26776
System for slicing silicon wafers [NASA-CASE-NPO-14406-1]	c 37	N80-29703	Controller for computer control of brushless dc motors [NASA-CASE-NPO-13970-1]	c 33	N81-20352	Efficiency of silicon solar cells containing chromium [NASA-CASE-NPO-15179-1]	c 44	N82-26777
Induced junction solar cell and method of fabrication [NASA-CASE-NPO-13786-1]	c 44	N80-29835	Multifunctional transducer [NASA-CASE-NPO-14329-1]	c 52	N81-20703	Acoustic levitation methods and apparatus [NASA-CASE-NPO-15562-1]	c 71	N82-27086
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains [NASA-CASE-NPO-14298-1]	c 76	N80-32244	Polymers compositions and their method of manufacture [NASA-CASE-NPO-10424-1]	c 27	N81-24258	Thermochemical generation of hydrogen [NASA-CASE-NPO-15015-1]	c 25	N82-28368
Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width [NASA-CASE-NPO-14295-1]	c 76	N80-32245	Low current linearization of magnetic amplifier for dc transducer [NASA-CASE-NPO-14617-1]	c 33	N81-24338	Method of forming frozen spheres in a force-free drop tower [NASA-CASE-NPO-14845-1]	c 27	N82-28442
Interferometric locating system [NASA-CASE-NPO-14173-1]	c 04	N80-32359	Stark effect spectrophone for continuous absorption spectra monitoring [NASA-CASE-NPO-15102-1]	c 25	N81-25159	High power metallic halide laser [NASA-CASE-NPO-14782-1]	c 36	N82-28616
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same [NASA-CASE-NPO-13137-1]	c 27	N80-32514	Multifrequency broadband polarized horn antenna [NASA-CASE-NPO-14588-1]	c 32	N81-25278	Method of fabricating Schottky Barrier solar cell [NASA-CASE-NPO-13689-4]	c 44	N82-28780
Prepolymer dianhydrides [NASA-CASE-NPO-13899-1]	c 27	N80-32515	Hot gas engine with dual crankshafts [NASA-CASE-NPO-14221-1]	c 37	N81-25370	Coal desulfurization by aqueous chlorination [NASA-CASE-NPO-14902-1]	c 25	N82-29371
System for plotting subsoil structure and method therefor [NASA-CASE-NPO-14191-1]	c 31	N80-32584	Sandblasting nozzle [NASA-CASE-NPO-13823-1]	c 37	N81-25371	Control means for a solid state crossbar switch [NASA-CASE-NPO-15066-1]	c 33	N82-29538
Support assembly for cryogenically coolable low-noise choke waveguide [NASA-CASE-NPO-14253-1]	c 32	N80-32605	Photomechanical transducer [NASA-CASE-NPO-14363-1]	c 39	N81-25400	Discriminator aided phase lock acquisition for suppressed carrier signals [NASA-CASE-NPO-14311-1]	c 33	N82-29539
Apparatus for measuring semiconductor device resistance [NASA-CASE-NPO-14424-1]	c 33	N80-32650	Underground mineral extraction [NASA-CASE-NPO-14140-1]	c 43	N81-26509	Coherently pulsed laser source [NASA-CASE-NPO-15111-1]	c 36	N82-29589
Stark cell optoacoustic detection of constituent gases in sample [NASA-CASE-NPO-14143-1]	c 25	N81-14015	CCD correlated quadruple sampling processor [NASA-CASE-NPO-14426-1]	c 33	N81-27396	Solid electrolyte cell [NASA-CASE-NPO-15269-1]	c 44	N82-29710
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer [NASA-CASE-NPO-14001-1]	c 27	N81-14076	Terminal guidance sensor system [NASA-CASE-NPO-14521-1]	c 37	N81-27519	Electromigration process for the purification of molten silicon during crystal growth [NASA-CASE-NPO-14831-1]	c 76	N82-30105
Frequency translating phase conjugation circuit for active retrodirective antenna array [NASA-CASE-NPO-14536-1]	c 32	N81-14185	Medical diagnosis system and method with multispectral imaging [NASA-CASE-NPO-14402-1]	c 52	N81-27783	Low noise lead screw positioner [NASA-CASE-NPO-15617-1]	c 35	N82-33681
Precise RF timing signal distribution to remote stations [NASA-CASE-NPO-14749-1]	c 32	N81-14186	High-speed multiplexing of keyboard data inputs [NASA-CASE-NPO-14554-1]	c 60	N81-27814	Hyperthermia heating apparatus [NASA-CASE-NPO-14549-2]	c 52	N82-33996
Base drive for paralleled inverter systems [NASA-CASE-NPO-14163-1]	c 33	N81-14220	Baseband signal combiner for large aperture antenna array [NASA-CASE-NPO-14641-1]	c 32	N81-29308	CAT altitude avoidance system [NASA-CASE-NPO-15351-1]	c 06	N83-10040
Low cost cryostat [NASA-CASE-NPO-14513-1]	c 35	N81-14287	Schottky barrier solar cell [NASA-CASE-NPO-13689-2]	c 44	N81-29525	Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser [NASA-CASE-NPO-15021-1]	c 36	N83-10417
Power control for hot gas engines [NASA-CASE-NPO-14220-1]	c 37	N81-14318	Interferometer [NASA-CASE-NPO-14448-1]	c 74	N81-29963	Thermal reactor [NASA-CASE-NPO-14369-1]	c 44	N83-10501
Method and apparatus for fabricating improved solar cell modules [NASA-CASE-NPO-14416-1]	c 44	N81-14389	Coal desulfurization [NASA-CASE-NPO-14272-1]	c 25	N81-33246	Submillimeter wave Schottky barrier diode with low series resistance and low noise [NASA-CASE-NPO-15935-1]	c 33	N83-12334
Viscoelastic cationic polymers containing the urethane linkage [NASA-CASE-NPO-10830-1]	c 27	N81-15104	Method and apparatus for producing concentric hollow spheres [NASA-CASE-NPO-14596-1]	c 31	N81-33319	Integrated optics in an electrically scanned imaging Fourier transform spectrometer [NASA-CASE-NPO-15844-1]	c 74	N83-12992
			Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress [NASA-CASE-NPO-14316-1]	c 33	N81-33404	Enhancement of in vitro guayule propagation [NASA-CASE-NPO-15213-1]	c 51	N83-17045
			PN lock indicator for dithered PN code tracking loop [NASA-CASE-NPO-14435-1]	c 33	N81-33405	Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar [NASA-CASE-NPO-14998-1]	c 32	N83-18975
						Synchronized voltage contrast display system [NASA-CASE-NPO-14567-1]	c 33	N83-18996
						Broadband optical radiation detector [US-PATENT-4,262,198]	c 74	N83-19597

Combustion engine system [NASA-CASE-NPO-14565-2]	c 25	N83-19826	Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis			Method of examining microcircuit patterns [NASA-CASE-NPO-16299-1]	c 33	N85-20250
Production of ultrapure amorphous metals utilizing acoustic cooling [NASA-CASE-NPO-15658-1]	c 26	N83-19890	[NASA-CASE-NPO-16271-1]	c 36	N84-15537	Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor [NASA-CASE-NPO-16337-1]	c 33	N85-20251
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent [NASA-CASE-NPO-14857-1]	c 27	N83-19900	Supercritical multicomponent solvent coal extraction [NASA-CASE-NPO-15767-1]	c 23	N84-16255	Reed-Solomon decoder [NASA-CASE-NPO-15982-1]	c 60	N85-20680
Thin wire pointing method [NASA-CASE-NPO-15789-1]	c 31	N83-19947	Electrodes for solid state devices [NASA-CASE-NPO-15161-1]	c 33	N84-16456	Low stress semiconductor-insulator interface for cryogenic device applications [NASA-CASE-NPO-16394-1]	c 76	N85-20906
Clutter free synthetic aperture radar correlator [NASA-CASE-NPO-14035-1]	c 32	N83-19968	Contactless pellet fabrication [NASA-CASE-NPO-15592-1]	c 71	N84-16940	A process to produce fine line metallic collection patterns on semiconductor devices [NASA-CASE-NPO-16413-1]	c 26	N85-21325
Articulated joint for deployable structures [NASA-CASE-NPO-16038-1]	c 37	N83-20157	Vibrating-chamber levitation systems [NASA-CASE-NPO-16142-1]	c 71	N84-16948	Improved silicon grinding method and apparatus [NASA-CASE-NPO-16336-1-CU]	c 31	N85-21407
Method and apparatus for contour mapping using synthetic aperture radar [NASA-CASE-NPO-15939-1]	c 43	N83-20324	Ion beam accelerator system [NASA-CASE-NPO-15547-1]	c 72	N84-16959	Multicomputer communication system [NASA-CASE-NPO-15433-1]	c 32	N85-21428
Controlled in situ etch-back [NASA-CASE-NPO-15625-1]	c 76	N83-20789	Apparatus and method for destructive removal of particles contained in flowing fluid [NASA-CASE-NPO-15426-1]	c 35	N84-17555	Hollow cathode apparatus [NASA-CASE-NPO-15560-1]	c 33	N85-21491
Method of making macrocrystalline or single crystal semiconductive material and products produced thereby [NASA-CASE-NPO-15904-1]	c 76	N83-21993	Supercritical solvent coal extraction [NASA-CASE-NPO-15210-1]	c 25	N84-22709	Method and apparatus for self-calibration and phasing of array antenna [NASA-CASE-NPO-15920-1]	c 33	N85-21493
Stabilized lanthanum sulphur compounds [NASA-CASE-NPO-16135-1]	c 25	N83-24572	Absorbable-susceptor joining of ceramic surfaces [NASA-CASE-NPO-15640-1]	c 27	N84-22748	State-of-charge coulometer [NASA-CASE-NPO-15759-1]	c 35	N85-21596
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases [NASA-CASE-NPO-15220-1]	c 45	N83-25217	Radiative cooler [NASA-CASE-NPO-15465-1]	c 34	N84-22903	Carbon granule probe microphone for leak detection [NASA-CASE-NPO-16027-1]	c 35	N85-21597
System and method for moving a probe to follow movements of tissue [NASA-CASE-NPO-15197-1]	c 52	N83-25346	Method and apparatus for precision control of radiometer [NASA-CASE-NPO-15398-1]	c 35	N84-22931	Portable remote laser sensor for methane leak detection [NASA-CASE-NPO-15790-1]	c 36	N85-21631
Waveguide cooling system [NASA-CASE-NPO-15401-1]	c 32	N83-27085	Spectrophone stabilized laser with line center offset frequency control [NASA-CASE-NPO-15516-1]	c 36	N84-22943	Ingot slicing machine and method [NASA-CASE-NPO-15483-1]	c 37	N85-21650
Electronic system for high power load control [NASA-CASE-NPO-15358-1]	c 33	N83-27126	Oil shale extraction using super-critical extraction [NASA-CASE-NPO-15656-1]	c 43	N84-23012	Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials [NASA-CASE-NPO-15851-1]	c 37	N85-21652
Particle analyzing method and apparatus [NASA-CASE-NPO-15292-1]	c 35	N83-27184	Wind and solar powered turbine [NASA-CASE-NPO-15496-1]	c 44	N84-23018	Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver [NASA-CASE-NPO-15651-1]	c 43	N85-21723
X-ray imaging mirror system and method of producing the same [NASA-CASE-NPO-15828-1]	c 74	N83-30222	Acoustic rotation control [NASA-CASE-NPO-15689-1]	c 71	N84-23233	Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events [NASA-CASE-NPO-15430-1]	c 46	N85-21846
Hydrodesulfurization of chlorinized coal [NASA-CASE-NPO-15304-1]	c 25	N83-31743	Programmable scan/read circuitry for charge coupled device imaging detectors [NASA-CASE-NPO-15345-1]	c 74	N84-23247	Automatic multi-banking of memory for microprocessors [NASA-CASE-NPO-15295-1]	c 60	N85-21992
Method and apparatus for producing gas-filled hollow spheres [NASA-CASE-NPO-14596-3]	c 31	N83-31896	Laser pulse detection method and apparatus [NASA-CASE-NPO-16030-1]	c 36	N84-25037	Acoustic agglomeration methods and apparatus [NASA-CASE-NPO-15466-1]	c 71	N85-22104
Cycling Joule Thomson refrigerator [NASA-CASE-NPO-15251-1]	c 31	N83-31897	Protective telescoping shield for solar concentrator [NASA-CASE-NPO-16236-1]	c 44	N84-25164	High temperature acoustic levitator [NASA-CASE-NPO-16022-1]	c 71	N85-22105
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-2]	c 32	N83-31918	Nanosequencer digital logic controller [NASA-CASE-NPO-16116-1]	c 60	N84-25306	Focal plane array optical proximity sensor [NASA-CASE-NPO-15155-1]	c 74	N85-22139
Method and device for detection of a substance [NASA-CASE-NPO-14940-1]	c 33	N83-31954	Low-frequency radio navigation system [NASA-CASE-NPO-15264-1]	c 04	N84-27713	Total immersion crystal growth [NASA-CASE-NPO-15800-2]	c 76	N85-22178
System for monitoring physical characteristics of fluids [NASA-CASE-NPO-15400-1]	c 34	N83-31993	Synthetic aperture radar target simulator [NASA-CASE-NPO-15024-1]	c 32	N84-27951	Optical system [NASA-CASE-NPO-15801-1]	c 74	N85-23396
Cloud cover sensor [NASA-CASE-NPO-14936-1]	c 47	N83-32232	Ion mass spectrometer [NASA-CASE-NPO-15423-1]	c 35	N84-28016	Corrosion resistant coating [NASA-CASE-NPO-15928-1]	c 26	N85-29005
Distributed multiport memory architecture [NASA-CASE-NPO-15342-1]	c 60	N83-32342	Shaft transducer having dc output proportional to angular velocity [NASA-CASE-NPO-15706-1]	c 35	N84-28017	Stabilized unsaturated polyesters [NASA-CASE-NPO-16103-1]	c 27	N85-29043
Acoustic system for material transport [NASA-CASE-NPO-15453-1]	c 71	N83-32515	Centrifugal-reciprocating compressor [NASA-CASE-NPO-14597-2]	c 37	N84-28081	Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer [NASA-CASE-NPO-16257-1]	c 31	N85-29082
System for controlled acoustic rotation of objects [NASA-CASE-NPO-15522-1]	c 71	N83-32516	Solar energy modulator [NASA-CASE-NPO-15388-1]	c 44	N84-28203	Ten degree Kelvin hydride refrigerator [NASA-CASE-NPO-16393-1-CU]	c 31	N85-29084
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers [NASA-CASE-NPO-14987-1]	c 24	N83-33950	Solar concentrator protective system [NASA-CASE-NPO-15662-1]	c 44	N84-28204	Retinally stabilized differential resolution television display [NASA-CASE-NPO-15432-1]	c 32	N85-29117
Antenna grout replacement system [NASA-CASE-NPO-15202-1]	c 27	N83-34043	Integrating IR detector imaging systems [NASA-CASE-NPO-15805-1]	c 74	N84-28590	Beam forming network [NASA-CASE-NPO-15743-1]	c 32	N85-29118
Sphere forming method and apparatus [NASA-CASE-NPO-15070-1]	c 31	N83-35176	Synchronization tracking in pulse position modulation receiver [NASA-CASE-NPO-16256-1]	c 32	N84-32620	Tone calibrated digital radio communication system [NASA-CASE-NPO-16414-1-CU]	c 32	N85-29121
Resonant isolator for maser amplifier [NASA-CASE-NPO-15201-1]	c 36	N83-35350	Solar-heated oil shale retort [NASA-CASE-NPO-16392-1]	c 44	N84-32912	Closed loop electrostatic levitation system [NASA-CASE-NPO-15553-1]	c 33	N85-29142
Acoustic bubble removal method [NASA-CASE-NPO-15334-1]	c 71	N83-35781	Low loss splicing method for single-mode optical fiber [NASA-CASE-NPO-16294-1]	c 74	N84-33179	Maser cavity servo-tuning system [NASA-CASE-NPO-15890-1-CU]	c 33	N85-29143
Method of increasing minority carrier lifetime in silicon web or the like [NASA-CASE-NPO-15530-1]	c 76	N83-35888	FET charge sensor and voltage probe [NASA-CASE-NPO-16045-1]	c 76	N84-33211	Method for ultrasonic bonding to soft microelectronic substrates [NASA-CASE-NPO-16087-1]	c 33	N85-29151
Rotary stepping device with memory metal actuator [NASA-CASE-NPO-15482-1]	c 37	N83-36484	Glass heating panels and method for preparing the same from architectural reflective glass [NASA-CASE-NPO-15753-1]	c 27	N84-33589	Jet pump-drive system for heat removal [NASA-CASE-NPO-16494-1-CU]	c 34	N85-29182
Memory metal actuator [NASA-CASE-NPO-15960-1]	c 37	N83-36485	Portable reflectance spectrometer [NASA-CASE-NPO-13556-1]	c 35	N84-33766	Trace water sensor [NASA-CASE-NPO-15722-1]	c 35	N85-29212
Acoustic suspension system [NASA-CASE-NPO-15435-1]	c 71	N83-36846	Means and method for calibrating a photon detector utilizing electron-photon coincidence [NASA-CASE-NPO-15644-1]	c 35	N84-33767	Fluidic angular velocity sensor [NASA-CASE-NPO-16479-1-CU]	c 35	N85-29219
Optical fiber tactile sensor [NASA-CASE-NPO-15375-1]	c 74	N84-11921	Phase sensitive guidance sensor for wire-following vehicles [NASA-CASE-NPO-15341-1]	c 35	N84-33769	Digital control of diode laser for atmospheric spectroscopy [NASA-CASE-NPO-16000-1]	c 36	N85-29264
High dynamic global positioning system receiver [NASA-CASE-NPO-16171-1-CU]	c 04	N84-12151	System for indicating fuel-efficient aircraft altitude [NASA-CASE-NPO-15351-2]	c 06	N84-34443	Magnetically switched power supply systems for lasers [NASA-CASE-NPO-16402-1]	c 36	N85-29265
Photoelectrochemical electrodes [NASA-CASE-NPO-15458-1]	c 25	N84-12262	Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter [NASA-CASE-NPO-15519-1]	c 32	N84-34651	Method for driving two-phase turbines with enhanced efficiency [NASA-CASE-NPO-15037-2]	c 37	N85-29282
Laser activated MTOS microwave device [NASA-CASE-NPO-16112-1]	c 36	N84-12463	Correlation spectrometer having high resolution and multiplexing capability [NASA-CASE-NPO-15558-1]	c 35	N84-34705	Gravity enhanced acoustic levitation method and apparatus [NASA-CASE-NPO-16147-1-CU]	c 71	N85-29693
Method and apparatus for minimizing convection during crystal growth from solution [NASA-CASE-NPO-15811-1]	c 76	N84-12968	Saltless solar pond [NASA-CASE-NPO-15808-1]	c 44	N84-34792	Generation of intense negative ion beams [NASA-CASE-NPO-16061-1-CU]	c 72	N85-29701
Pressure letdown method and device for coal conversion systems [NASA-CASE-NPO-15100-1]	c 44	N84-14583	Epitaxial thinning process [NASA-CASE-NPO-15786-1]	c 76	N84-35112			
			Process and apparatus for growing a crystal ribbon [NASA-CASE-NPO-15629-1]	c 76	N84-35113			

- Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
Acoustic particle separation
[NASA-CASE-NPO-155559-1] c 71 N85-30765
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N85-30779
Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934
Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1 71 NPO-15494-2] c 35 N85-34373
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- National Aeronautics and Space Administration.**
Wallops Flight Center, Wallops Island, Va.
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Thin film strain transducer
[NASA-CASE-WLP-10055-2] c 35 N85-21598
- National Aeronautics and Space Administration.**
Western Operations Office, Santa Monica, Calif.
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- National Bureau of Standards, Boulder, Colo.**
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- National Oceanic and Atmospheric Administration, Boulder, Colo.**
Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- National Research Corp., Cambridge, Mass.**
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
Rock sampling
[NASA-CASE-XNP-10007-1] c 46 N74-23068
Rock sampling
[NASA-CASE-XNP-09755] c 46 N74-23069
- National Science Foundation, Washington, D.C.**
Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Nevada Univ System, Reno.**
Constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- New England Medical Center Hospitals, Boston, Mass.**
Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- North American Aviation, Inc., Canoga Park, Calif.**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173
- North American Aviation, Inc., Downey, Calif.**
Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- North American Aviation, Inc., El Segundo, Calif.**
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346
Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
- North American Aviation, Inc., Los Angeles, Calif.**
Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- North American Aviation, Inc., Torrance, Calif.**
Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- North American Aviation, Inc., Woodland Hills, Calif.**
Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469
- North American Phillips Co., Inc., Briarcliff Manor, N. Y.**
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337
- North American Phillips Co., Inc., Tarrytown, N. Y.**
Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
- North American Rockwell Corp., Canoga Park, Calif.**
Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- North American Rockwell Corp., Downey, Calif.**
Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488
Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
- Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- North American Rockwell Corp., El Segundo, Calif.**
Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
- North American Rockwell Corp., Los Angeles, Calif.**
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- North Carolina State Univ., Raleigh.**
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- Northeastern Univ., Boston, Mass.**
Pulse-width modulation multiplier Patent
[NASA-CASE-XER-02143] c 07 N71-12390
- Northrop Corp., Hawthorne, Calif.**
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- Northrop Nortronics, Palos Verdes Peninsula, Calif.**
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
- Northrop Services, Inc., Los Angeles, Calif.**
Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N85-20301
- Northrop Space Labs., Hawthorne, Calif.**
Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- Nortronics, Palos Verdes Peninsula, Calif.**
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
- Notre Dame Univ., Ind.**
Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
- Oakland Univ., Rochester, Mich.**
Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584
Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297
- Occidental Research Corp., La Verne, Calif.**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Ohio State Univ., Columbus.**
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359
- Old Dominion Univ., Norfolk, Va.**
Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
High-temperature microphone system
[NASA-CASE-LAR-12375-1] c 32 N79-24203

R

- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
Leading edge vortex flaps for drag reduction
[NASA-CASE-LAR-12750-1] c 02 N81-19016
Leading edge flap system for aircraft control
augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985

Oregon Univ., Portland.

- Method for separating biological cells
[NASA-CASE-MFS-23883-1] c 51 N80-16715

Organon Diagnostics, El Monte, Calif.

- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693

P

Packard-Bell Electronics Corp., Newbury Park, Calif.

- Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955

Panaura Corp., Pennsauken, N. J.

- Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

PCR, Inc., Gainesville, Fla.

- Perfluoroalkyl polytriazines containing pendent
iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016

Peninsular ChemResearch, Inc., Gainesville, Fla.

- Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254

- Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121

- Polyurethane resins from hydroxy terminated perfluoro
ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144

- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151

- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076

Pennsylvania State Univ., University Park.

- Process for the preparation of
polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271

- Carboranylphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389

- Carboranylethylene-substituted phosphazenes and
polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

Philco-Ford Corp., Houston, Tex.

- Frequency modulation demodulator threshold extension
device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696

- Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

Philco-Ford Corp., Palo Alto, Calif.

- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013

- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860

Phoenix Corp., McLean, Va.

- External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362

- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065

Pittsburgh Univ., Pa.

- Method and device for the detection of phenol and
related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235

Planning Research Corp., McLean, Va.

- Telephone multiline signaling using common signal
pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

Pratt and Whitney Aircraft, East Hartford, Conn.

- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062

- Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741

- Sealing member and combination thereof and method
of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022

Proteon Associates, Inc., Waltham, Mass.

- Improved legislated emergency locating transmitters and
emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226

Q

Quantum Dynamics, Tarzana, Calif.

- Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015

Radiation, Inc., Melbourne, Fla.

- Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

Radiation Instrument Development Lab, Inc., Melrose
Park, Ill.

- High speed binary to decimal conversion system
Patent
[NASA-CASE-XGS-01230] c 08 N71-19544

Radiation Systems, Inc., McLean, Va.

- Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483

Radio Corp. of America, Lancaster, Pa.

- Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

Radio Corp. of America, New York.

- Water cooled contactor for anode in carbon arc
mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266

- Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318

- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323

- Radiation resistant silicon semiconductor devices
Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

- GaAs solar detector using manganese as a doping agent
Patent
[NASA-CASE-XNP-01328] c 26 N71-18064

- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039

- Method of erasing target material of a vidicon tube or
the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189

- Transient augmentation circuit for pulse amplifiers
Patent
[NASA-CASE-XNP-01068] c 10 N71-28739

Radio Corp. of America, Princeton, N. J.

- Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539

- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049

- Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658

- Simple method of making photovoltaic junctions
Patent
[NASA-CASE-XNP-01960] c 09 N71-23027

- Method of electrolytically binding a layer of
semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043

- Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184

- Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

- Method of changing the conductivity of vapor deposited
gallium arsenide by the introduction of water into the vapor
deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156

- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948

- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235

- Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469

- Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606

- Rotary solenoid shutter drive assembly and rotary inertia
damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861

- Frequency measurement by coincidence detection with
standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331

- Means for growing ribbon crystals without subjecting the
crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244

- Apparatus for use in the production of ribbon-shaped
crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389

- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

RAND Corp., Santa Monica, Calif.

- Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900

- Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448

Raytheon Co., Sudbury, Mass.

- Laser Doppler system for measuring three dimensional
vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212

- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

RCA Labs., Princeton, N. J.

- Solar cell with improved N-region contact and method
of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752

RCA Service Co., Inc., Camden, N. J.

- Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788

Rensselaer Polytechnic Inst., Troy, N. Y.

- Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

Research Triangle Inst., Durham, N. C.

- Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422

Rochester General Hospital, N. Y.

- Prosthetic occlusive device for an internal
passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744

Rochester Univ., N. Y.

- Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003

Rocketdyne, Canoga Park, Calif.

- Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500

- Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356

- Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631

- Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213

- Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442

- Technique of elbow bending small jacketed transfer lines
Patent
[NASA-CASE-XNP-10475] c 15 N71-24679

- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

- Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928

- Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410

- Hydrazinium nitroformate propellant stabilized with
nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

- Hydrazinium nitroformate propellant with saturated
polymenc hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764

- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

- Internally supported flexible duct joint
[NASA-CASE-MFS-19193-1] c 37 N75-19686

- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236

- Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382

- Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296

- Hermetically sealable package for hybrid solid-state
electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

- Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125

- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126

- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

- Method and apparatus for vibration analysis utilizing the
Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329

- Externally supported internally stabilized flexible duct
joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460

- Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399

- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380

- Stable superconducting magnet
[NASA-CASE-XMF-05373-1] c 33 N79-21264

- Apparatus for positioning modular components on a
vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

- Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562

- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

- Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

- Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482

Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499

Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383

Method of producing complex aluminum alloy parts of high temper. and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333

Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350

Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423

Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377

System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415

Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187

Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317

Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363

Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

Attachment system for silica tiles
[NASA-CASE-MSC-18741-1] c 27 N82-29456

Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520

Degassifying and mixing apparatus for liquids
[NASA-CASE-MSC-18936-1] c 35 N83-29652

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262

Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084

Rockwell International Corp., Houston, Tex.
Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

Rockwell International Corp., Los Angeles, Calif.
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398

Rockwell International Corp., Pittsburgh, Pa.
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707

Roph Corp., Chula Vista, Calif.
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522

Royal Aircraft Establishment, Farnborough (England).
Garments for controlling the temperature of the body
Patent
[NASA-CASE-XMS-10269] c 05 N71-24147

Ryan Aeronautical Co., San Diego, Calif.
Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630

Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033

S

San Jose State Univ., Calif.
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338

Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213

Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744

Sanders Associates, Inc., Nashua, N. H.
Increasing efficiency of switching type regulator circuits
Patent
[NASA-CASE-XMS-09352] c 09 N71-23316

Santa Barbara Research Center, Goleta, Calif.
Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465

Santa Clara Univ., Calif.
Reversed cowl flap inlet thrust augmentor
[NASA-CASE-ARC-10754-1] c 07 N75-24736

System for measuring Reynolds in a turbulently flowing fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517

System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345

Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

Schjeldahl (G. T.) Co., Northfield, Minn.
Rotating mandrel for assembly of inflatable devices
Patent
[NASA-CASE-XLA-04143] c 15 N71-17687

Traveling sealer for contoured table
Patent
[NASA-CASE-XLA-01494] c 15 N71-24164

Science Applications, Inc., La Jolla, Calif.
Ultra-violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446

Scott Aviation Corp., Lancaster, N. Y.
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900

Serv-Air, Inc., Edwards, Calif.
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

Serv-Air, Inc., Houston, Tex.
Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544

Sheldahl Co., Northfield, Minn.
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226

Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

Sikorsky Aircraft, Stratford, Conn.
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382

Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947

Singer Co., Binghamton, N.Y.
Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492

Singer-General Precision, Inc., Binghamton, N. Y.
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273

Smith Electronics, Inc., Cleveland, Ohio.
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272

Smithsonian Astrophysical Observatory, Cambridge, Mass.
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489

Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313

Solid State Radiations, Inc., Los Angeles, Calif.
Biomedical radiation detecting probe
Patent
[NASA-CASE-XMS-01177] c 05 N71-19440

Southern Methodist Univ., Dallas, Tex.
Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

Southern Research Inst., Birmingham, Ala.
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190

Southwest Research Inst., San Antonio, Tex.
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015

Thin film strain transducer
[NASA-CASE-WLP-10055-2] c 35 N85-21598

Space Sciences, Inc., Waltham, Mass.
Doppler shift system
[NASA-CASE-HQN-10740-1] c 72 N74-19310

Space Technology Labs., Inc., Redondo Beach, Calif.
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910

Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014

Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078

Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

Solar cell mounting Patent
[NASA-CASE-NXP-00826] c 03 N71-20895

Prestressed refractory structure Patent
[NASA-CASE-NXP-02888] c 18 N71-21068

Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962

Fluid lubricant system Patent
[NASA-CASE-NXP-03972] c 15 N71-23048

Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-NXP-01107] c 10 N71-28859

Spacelabs, Inc., Van Nuys, Calif.
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329

Spaco, Inc., Huntsville, Ala.
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

Spectra-Physics, Inc., Mountain View, Calif.
Optically pumped resonance magnetometer for determining vectoral components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428

Spectrolab, Inc., Sylmar, Calif.
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332

Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531

Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019

Sperry Corp., Phoenix, Ariz.
Emitting vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299

Sperry Gyroscope Co., Great Neck, N. Y.
Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330

Sperry Rand Corp., Blue Bell, Pa.
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547

Sperry Rand Corp., Huntsville, Ala.
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191

Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176

Device for configuring multiple leads
[NASA-CASE-MFS-22133-1] c 33 N74-26977

System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395

Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457

Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635

Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264

Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969

Sperry Rand Corp., Phoenix, Ariz.
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482

Stanford Research Inst., Menlo Park, Calif.
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843

Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896

Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803

Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094

Stanford Univ., Calif.

- Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448

Stanford Univ., Palo Alto, Calif.

- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171

State Univ. of Iowa, Iowa City.

- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742

Sylvania Electronic Systems-Central, Williamsville, N. Y.

- Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326

T

Taag Designs, Inc., College Park, Md.

- Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062

- Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443

Taft Broadcasting Corp., Houston, Tex.

- Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485

Tamarack Scientific Co., Inc., Orange, Calif.

- Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551

Technicolor, Inc., Paramus, N.J.

- Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319

Technidyne, Inc., West Chester, Pa.

- Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686

Technion - Israel Inst. of Tech., Haifa.

- Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442

Technion Research and Development Foundation Ltd., Haifa (Israel).

- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442

Technology, Inc., Houston, Tex.

- Apparatus and method for processing Korotkov sounds
[NASA-CASE-MS-C-13999-1] c 52 N74-26626

Technology, Inc., San Antonio, Tex.

- Contourograph system for monitoring electrocardiograms
[NASA-CASE-MS-C-13407-1] c 10 N72-20225

Teledyne Brown Engineering, Huntsville, Ala.

- Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420

Temple Univ. Research Inst., Philadelphia, Pa.

- Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097

Tennessee Univ., Knoxville.

- Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N83-35228

Texas A&M Univ., College Station.

- Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

Texas Instruments, Inc., Dallas.

- Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205

- Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650

Texas Technological Univ., Lubbock.

- Insulated electrocardiographic electrodes
[NASA-CASE-MS-C-14339-1] c 05 N75-24716

Thiokol Chemical Corp., Bristol, Pa.

- Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213

Thiokol Corp., Brigham City, Utah.

- Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471

- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

Thompson Ramo Wooldridge, Inc., Cleveland, Ohio.

- Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-2] c 32 N79-19186

Tisdale (Henry F., Sr.), Treasure Island, Fla.

- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

Trans-Sonics, Inc., Lexington, Mass.

- Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442

TransTechnology Corp., Canyon Country, Calif.

- Slide release mechanism
[NASA-CASE-MS-C-20080-1] c 37 N85-30334

Trident Engineering Associates, Inc., Annapolis, Md.

- Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206

TRW Defense and Space Systems Group, Redondo Beach, Calif.

- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MS-C-18627-1] c 74 N82-30071

TRW Equipment Labs., Cleveland, Ohio.

- Pulsed energy power system Patent
[NASA-CASE-MS-C-13112] c 03 N71-11057

TRW, Inc., Redondo Beach, Calif.

- Method of and device for determining the characteristics and flux distribution of micrometeorites
[NASA-CASE-NPO-12127-1] c 91 N74-13130

- Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125

- Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568

- Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031

- Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293

- Temperature compensated current source
[NASA-CASE-MS-C-11235] c 33 N78-17294

- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296

- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336

- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337

- Microbalance
[NASA-CASE-MS-C-11242] c 35 N78-17358

- Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366

- Wobble gear drive mechanism
[NASA-CASE-WOO-00625] c 37 N78-17385

- Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386

- Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

- Apparatus for fiber optic liquid level sensing
[NASA-CASE-MS-C-18674-1] c 74 N81-24907

- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

- Moisture content and gas sampling device
[NASA-CASE-MS-C-18866-1] c 35 N85-29213

TRW Systems, Redondo Beach, Calif.

- Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

- Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654

- Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580

- Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

- Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332

TRW Systems Group, Redondo Beach, Calif.

- Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

- Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694

- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414

- Booster tank system Patent
[NASA-CASE-MS-C-12390] c 27 N71-29155

- Resonant infrasonic gauging apparatus
[NASA-CASE-MS-C-11847-1] c 14 N72-11363

- Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200

- System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772

- Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262

- Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226

- Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

- Cosmic dust analyzer
[NASA-CASE-MS-C-13802-2] c 35 N76-15431

- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397

- Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413

- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478

- Digital numerically controlled oscillator
[NASA-CASE-MS-C-16747-1] c 33 N81-17349

- Self-calibrating threshold detector
[NASA-CASE-MS-C-16370-1] c 35 N81-19427

Tycos Labs., Inc., Waltham, Mass.

- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786

- Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037

- Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138

U

Ultrasystems, Inc., Irvine, Calif.

- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-C-14903-1] c 27 N78-32256

- Compound oxidized styrylphosphine
[NASA-CASE-MS-C-14903-2] c 27 N80-10358

- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-C-14903-3] c 27 N80-24438

Unified Science Associates, Inc., Pasadena, Calif.

- Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466

Union Carbide Corp., New York.

- Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400

United Aircraft Corp., East Hartford, Conn.

- Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383

- Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007

- Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623

- Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730

- Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153

- Restraint torso for a pressurized suit
[NASA-CASE-MS-C-12397-1] c 05 N72-25119

- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295

- Restraining mechanism
[NASA-CASE-MS-C-13054] c 54 N78-17677

- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678

- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679

- Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680

- Emergency space-suit helmet
[NASA-CASE-MS-C-10954-1] c 54 N78-18761

- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468

- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

- Glass compositions with a high modulus of elasticity
[NASA-CASE-HQN-10274-1] c 27 N82-29451

- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452

- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454

United Aircraft Corp., Stratford, Conn.
Bonded joint and method
[NASA-CASE-LAR-10900-1] c 37 N74-23064
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087

United Aircraft Corp., Sunnyvale, Calif.
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

United Aircraft Corp., West Palm Beach, Fla.
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935

United Aircraft Corp., Windsor Locks, Conn.
Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
Method of forming a root cord restrained convolute section
[NASA-CASE-MS-C-12398] c 05 N72-20098

United States Radium Corp., Parsippany, N. J.
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MS-C-18107-1] c 27 N81-25209

United Technologies Corp., East Hartford, Conn.
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
Portable breathing system
[NASA-CASE-MS-C-16182-1] c 54 N80-10799
High modulus rare earth and beryllium containing silicate glass compositions
[NASA-CASE-HQN-10595-1] c 27 N82-29455
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577

United Technologies Corp., South Windsor, Conn.
Reactant pressure differential control for fuel cell gases
[NASA-CASE-MS-C-20127-2] c 37 N85-34403

United Technologies Corp., Windsor Locks, Conn.
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

United Technology Center, Sunnyvale, Calif.
Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392

University of Southern Mississippi, Hattiesburg.
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444

V

Vanderbilt Univ., Nashville, Tenn.
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573

Vapor Corp., Chicago, Ill.
Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278

Varian Associates, Palo Alto, Calif.
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
Ill-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

Virginia Associated Research Center, Newport News.
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618

Virginia Polytechnic Inst. and State Univ., Blacksburg.
Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups
[NASA-CASE-LAR-12838-1] c 27 N83-34040
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282

Virginia Univ., Charlottesville.
Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
Active microwave inses and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172

Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465

Vivonex Corp., Mountain View, Calif.
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

Vought Corp., Hampton, Va.
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732

W

Weber Aircraft Corp., Burbank, Calif.
Articulated multiple couch assembly Patent
[NASA-CASE-MS-C-11253] c 05 N71-12343
Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
Collapsible Apollo couch
[NASA-CASE-MS-C-13140] c 05 N72-11085

Westinghouse Electric Corp., Baltimore, Md.
Broadband choke for antenna structure
[NASA-CASE-MFS-02560-1] c 07 N69-27462
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403

Westinghouse Electric Corp., Huntsville, Ala.
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

Westinghouse Electric Corp., Lima, Ohio.
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126

Westinghouse Electric Corp., Pittsburgh, Pa.
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

Westinghouse Electric Corp., Trafford, Pa.
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231

Weston Instruments, Inc., College Park, Md.
Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001

Whirlpool Corp., St. Joseph, Mich.
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435

Whittaker Corp., Los Angeles, Calif.
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
Polyurethanes from fluoroalkyl propylene glycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
Highly fluonated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191

Whittaker Corp., San Diego, Calif.
Reinforced polyquinoxaline gasket and method of preparing the same
[NASA-CASE-MFS-21364-1] c 37 N74-18126
Polymerc foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232

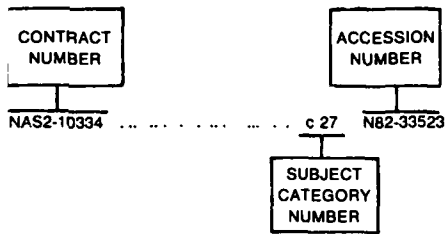
Wisconsin Univ., Madison.
Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MS-C-14276-1] c 52 N77-14737

Y

Youngstown State Univ., Ohio.
Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

CONTRACT NUMBER INDEX

Typical Contract Number Index Listing



Listings in this index are arranged alpha-numerically by contract number. Under each contract number, the accession numbers denoting documents that have been produced as a result of research done under that contract are arranged in ascending accession number order. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located.

JPL-950596	c 15	N69-23185
JPL-950850	c 09	N69-24329
JPL-951531	c 09	N69-21926
NAS 7-100	c 33	N85-29151
NASW-1233	c 06	N72-10138
NASW-4004	c 24	N85-25436
NAS1-2593	c 11	N69-24321
NAS12-2135	c 09	N72-20206
NAS12-514	c 14	N71-34389
NAS2-10334	c 27	N82-33523
NAS3-2510	c 10	N69-39888
NAS3-3232	c 14	N69-24331
NAS4-1403	c 14	N70-35587
NAS5-10260	c 06	N72-21105
NAS5-519	c 23	N69-24332
NAS7-100	c 15	N69-23185
	c 15	N69-23190
	c 15	N69-24319
	c 09	N69-24329
	c 09	N69-24333
	c 06	N69-31244
	c 07	N69-39736
	c 18	N69-39895
	c 09	N69-39929
	c 15	N69-39935
	c 06	N69-39936
	c 14	N69-39937
	c 03	N70-34646
	c 08	N70-34675
	c 14	N70-34697
	c 15	N70-34699
	c 03	N71-34044
	c 07	N72-20154
	c 09	N73-12214
	c 15	N73-12495
	c 37	N76-16446
	c 35	N78-18395
	c 31	N78-24387
	c 33	N79-17134
	c 32	N79-19195
	c 54	N79-20746
	c 27	N80-16163
	c 32	N80-16261
	c 35	N80-18364
	c 33	N81-15194
	c 37	N82-11469
	c 35	N82-25484
	c 71	N82-27086
	c 35	N82-33681
	c 33	N83-12334
	c 74	N83-12992

NAS7-150
NAS7-603

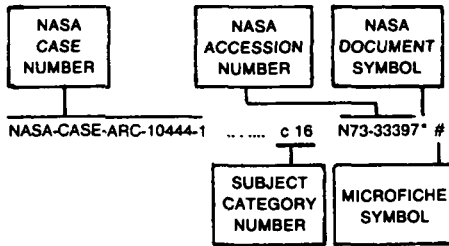
NAS7-746
NAS7-918

NAS8-11561
NAS9-10963
NAS9-14796
NAS9-15328

c 26 N83-19890
c 37 N83-20157
c 43 N83-20324
c 76 N83-21993
c 25 N83-24572
c 37 N83-36484
c 37 N83-36485
c 04 N84-12151
c 36 N84-12463
c 76 N84-12968
c 36 N84-15537
c 43 N84-23012
c 36 N84-25037
c 44 N84-25164
c 60 N84-25306
c 32 N84-32620
c 44 N84-32912
c 74 N84-33179
c 76 N84-33211
c 76 N85-20906
c 76 N85-22178
c 36 N85-29265
c 72 N85-30779
c 76 N85-30922
c 76 N85-30933
c 03 N69-21337
c 06 N70-11251
c 06 N70-11252
c 06 N72-27151
c 71 N84-16948
c 33 N85-20251
c 26 N85-21325
c 31 N85-29084
c 32 N85-29121
c 34 N85-29182
c 35 N85-29219
c 72 N85-29701
c 76 N85-30934
c 09 N69-39734
c 05 N72-15098
c 52 N78-27750
c 25 N83-29325

CONTRACT

Typical Number Index Listing



Listings in this index are arranged alphabetically by "patent" number. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

NAS 1 15 76884 NAS 1 71 ARC-11368-2 NAS 1 71 ARC-11423-1 NAS 1 71 ARC-11512-2 NAS 1 71 ARC-11533-1 NAS 1 71 ARC-11534-1 NAS 1 71 ARC-11536-1 NAS 1 71 ARC-11538-1-SB NAS 1 71 ARC-11543-1 NAS 1 71 ARC-11547-1 NAS 1 71 ARC-11610-1 NAS 1 71 ARC-11613-1 NAS 1 71 ARC-11615-1-SB NAS 1 71 ARC-11616-1 NAS 1 71 GSC-12558-1 NAS 1 71 GSC-12582-2 NAS 1 71 GSC-12682-1 NAS 1 71 GSC-12789-1 NAS 1 71 GSC-12799-1 NAS 1 71 GSC-12808-1 NAS 1 71 GSC-12825-1 NAS 1 71 GSC-12892-1 NAS 1 71 GSC-12958-1 NAS 1 71 KSC-11218-1 NAS 1 71 KSC-11285-1 NAS 1 71 LAR-12518-1 NAS 1 71 LAR-12588-1 NAS 1 71 LAR-12723-1 NAS 1 71 LAR-12775-2 NAS 1 71 LAR-12787-2 NAS 1 71 LAR-12858-2 NAS 1 71 LAR-12868-1 NAS 1 71 LAR-12871-1 NAS 1 71 LAR-12884 NAS 1 71 LAR-12894-1 NAS 1 71 LAR-12979-1 NAS 1 71 LAR-13014-1 NAS 1 71 LAR-13065-1 NAS 1 71 LAR-13094-1 NAS 1 71 LAR-13134-1 NAS 1 71 LAR-13135-1 NAS 1 71 LAR-13150-1 NAS 1 71 LAR-13151-1 NAS 1 71 LAR-13173-1 NAS 1 71 LAR-13198-1 NAS 1 71 LAR-13230-1 NAS 1 71 LAR-13233-1 NAS 1 71 LAR-13254-1 NAS 1 71 LAR-13257-1 NAS 1 71 LAR-13268-1 NAS 1 71 LAR-13270-1 NAS 1 71 LAR-13286-1 NAS 1 71 LAR-13294-1 NAS 1 71 LAR-13310-1 NAS 1 71 LAR-13342-1	c 24 N85-25436 * # c 27 N85-21347 * # c 03 N84-33394 * # c 27 N85-21362 * # c 27 N85-21364 * # c 54 N84-33021 * # c 33 N85-30202 * # c 24 N85-30033 * # c 54 N85-21986 * # c 36 N85-20320 * # c 54 N85-20666 * # c 33 N85-29150 * # c 24 N85-28976 * # c 54 N85-21987 * # c 36 N85-21639 * # c 37 N85-20337 * # c 35 N84-33765 * # c 35 N85-20294 * # c 31 N85-21404 * # c 25 N85-21279 * # c 74 N85-20868 * # c 32 N85-20226 * # c 33 N85-30201 * # c 09 N85-19990 * # c 32 N85-29120 * # c 06 N84-32383 * # c 34 N85-21568 * # c 27 N85-20123 * # c 27 N85-21349 * # c 08 N85-19985 * # c 27 N85-20124 * # c 37 N85-21651 * # c 35 N85-29218 * # c 18 N84-33450 * # c 27 N85-20125 * # c 05 N85-21147 * # c 09 N85-21178 * # c 35 N85-20295 * # c 35 N85-29217 * # c 05 N85-19980 * # c 27 N84-34616 * # c 24 N85-28975 * # c 33 N85-20247 * # c 05 N85-19981 * # c 37 N85-29287 * # c 24 N84-34571 * # c 05 N84-33400 * # c 31 N85-20154 * # c 25 N84-32447 * # c 35 N85-29216 * # c 27 N84-32532 * # c 02 N85-28922 * # c 35 N85-21610 * # c 32 N85-21441 * # c 35 N85-20297 * #	NAS 1 71 LAR-13351-1 NAS 1 71 LAR-13353-1 NAS 1 71 LEW-12995-1 NAS 1 71 LEW-13324-2 NAS 1 71 LEW-13414-1 NAS 1 71 LEW-13495-1 NAS 1 71 LEW-13524-1 NAS 1 71 LEW-13639-1 NAS 1 71 LEW-13770-3 NAS 1 71 LEW-13770-4 NAS 1 71 LEW-13770-5 NAS 1 71 LEW-13773-2 NAS 1 71 LEW-13827-1 NAS 1 71 LEW-13833-1 NAS 1 71 LEW-13837-2 NAS 1 71 LEW-13837-3 NAS 1 71 LEW-13881-1 NAS 1 71 LEW-13935-1 NAS 1 71 LEW-14028-1 NAS 1 71 LEW-14037-1 NAS 1 71 LEW-14072-1 NAS 1 71 LEW-14080-1 NAS 1 71 LEW-14104-1 NAS 1 71 LEW-14108-1 NAS 1 71 LEW-14130-1 NAS 1 71 LEW-14170-1 NAS 1 71 LEW-14177-1 NAS 1 71 MFG-25989-1 NAS 1 71 MFS-25302-2 NAS 1 71 MFS-25637-1 NAS 1 71 MFS-25717-1 NAS 1 71 MFS-25721-1 NAS 1 71 MFS-25825-1 NAS 1 71 MFS-25842-2 NAS 1 71 MFS-25852-1 NAS 1 71 MFS-25861-1 NAS 1 71 MFS-25862-1 NAS 1 71 MFS-25862-2 NAS 1 71 MFS-25868-1 NAS 1 71 MFS-25962-2 NAS 1 71 MFS-25964-1 NAS 1 71 MFS-25966-1 NAS 1 71 MFS-25978-1 NAS 1 71 MFS-25981-1 NAS 1 71 MFS-28001-1 NAS 1 71 MFS-28008-1 NAS 1 71 MFS-28030-1 NAS 1 71 MFS-28057-1 NAS 1 71 MFS-28059-1 NAS 1 71 MFS-28060-1 NAS 1 71 MSC-18578-1 NAS 1 71 MSC-20112-1 NAS 1 71 MSC-20187-1 NAS 1 71 MSC-20275-1 NAS 1 71 MSC-20319-1 NAS 1 71 MSC-20475-1 NAS 1 71 MSC-20635-1 NAS 1 71 MSC-20653-1 NAS 1 71 MSC-20812-1 NAS 1 71 NPO-13556-1 NAS 1 71 NPO-15155-1 NAS 1 71 NPO-15295-1 NAS 1 71 NPO-15341-1 NAS 1 71 NPO-15430-1 NAS 1 71 NPO-15433-1 NAS 1 71 NPO-15466-1 NAS 1 71 NPO-15483-1 NAS 1 71 NPO-15493-2 NAS 1 71 NPO-15494-2 NAS 1 71 NPO-15519-1 NAS 1 71 NPO-15558-1 NAS 1 71 NPO-15560-1 NAS 1 71 NPO-15644-1 NAS 1 71 NPO-15651-1 NAS 1 71 NPO-15753-1 NAS 1 71 NPO-15759-1 NAS 1 71 NPO-15790-1 NAS 1 71 NPO-15800-2 NAS 1 71 NPO-15801-1 NAS 1 71 NPO-15808-1 NAS 1 71 NPO-15813-2 NAS 1 71 NPO-15851-1 NAS 1 71 NPO-15920-1	c 27 N85-21360 * # c 27 N85-20128 * # c 37 N84-33808 * # c 24 N85-21266 * # c 44 N85-20530 * # c 33 N84-33663 * # c 07 N84-33410 * # c 26 N84-33555 * # c 27 N85-21350 * # c 27 N85-21351 * # c 27 N85-21352 * # c 35 N84-32782 * # c 44 N85-21768 * # c 33 N85-21492 * # c 24 N85-21267 * # c 31 N85-20155 * # c 20 N85-21256 * # c 33 N85-20248 * # c 44 N84-32909 * # c 20 N84-32425 * # c 27 N85-20129 * # c 31 N85-20153 * # c 26 N85-21324 * # c 33 N85-29149 * # c 31 N85-20156 * # c 37 N85-20377 * # c 44 N85-20535 * # c 20 N85-20008 * # c 33 N84-33660 * # c 44 N85-21769 * # c 35 N84-33768 * # c 25 N85-21280 * # c 35 N85-20298 * # c 37 N85-30341 * # c 33 N84-33661 * # c 33 N85-22877 * # c 27 N85-20126 * # c 37 N84-33807 * # c 33 N84-32680 * # c 09 N84-32398 * # c 37 N85-20378 * # c 15 N85-11122 * # c 44 N84-32913 * # c 35 N85-20299 * # c 37 N85-29289 * # c 35 N85-20300 * # c 35 N85-30286 * # c 09 N85-28951 * # c 37 N85-29288 * # c 76 N85-30932 * # c 32 N85-21427 * # c 37 N85-20338 * # c 33 N85-20249 * # c 35 N85-21595 * # c 37 N85-21649 * # c 37 N85-29290 * # c 18 N84-32424 * # c 35 N85-20301 * # c 34 N84-32748 * # c 35 N84-33766 * # c 74 N85-22139 * # c 60 N85-21992 * # c 35 N84-33769 * # c 46 N85-21846 * # c 32 N85-21428 * # c 71 N85-22104 * # c 37 N85-21650 * # c 35 N85-34373 * # c 35 N85-34373 * # c 05 N85-34651 * # c 35 N84-34705 * # c 33 N85-21491 * # c 35 N84-33767 * # c 43 N85-21723 * # c 27 N84-33589 * # c 35 N85-21596 * # c 36 N85-21631 * # c 76 N85-22178 * # c 74 N85-23396 * # c 44 N84-34792 * # c 76 N85-30933 * # c 37 N85-21652 * # c 33 N85-21493 * #	NAS 1 71 NPO-15982-1 NAS 1 71 NPO-16022-1 NAS 1 71 NPO-16027-1 NAS 1 71 NPO-16045-1 NAS 1 71 NPO-16061-1-CU NAS 1 71 NPO-16087-1 NAS 1 71 NPO-16256-1 NAS 1 71 NPO-16294-1 NAS 1 71 NPO-16299-1 NAS 1 71 NPO-16306-1-CU NAS 1 71 NPO-16321-1 NAS 1 71 NPO-16322-1 NAS 1 71 NPO-16394-1-CU NAS 1 71 NPO-16371-1 NAS 1 71 NPO-16372-1 NAS 1 71 NPO-16392-1 NAS 1 71 NPO-16393-1-CU NAS 1 71 NPO-16394-1 NAS 1 71 NPO-16402-1 NAS 1 71 NPO-16413-1 NAS 1 71 NPO-16414-1-CU NAS 1 71 NPO-16479-1-CU NAS 1 71 NPO-16494-1-CU NAS 1 71 WLP-10055-2 NASA 1 71 MFS-26011-1-SB NASA-CASE-ARC-10003-1 NASA-CASE-ARC-10009-1 NASA-CASE-ARC-10017-1 NASA-CASE-ARC-10020 NASA-CASE-ARC-10030 NASA-CASE-ARC-10042-2 NASA-CASE-ARC-10043-1 NASA-CASE-ARC-10050 NASA-CASE-ARC-10097-2 NASA-CASE-ARC-10098-1 NASA-CASE-ARC-10099-1 NASA-CASE-ARC-10100-1 NASA-CASE-ARC-10101-1 NASA-CASE-ARC-10105 NASA-CASE-ARC-10106-1 NASA-CASE-ARC-10131-1 NASA-CASE-ARC-10132-1 NASA-CASE-ARC-10134 NASA-CASE-ARC-10136-1 NASA-CASE-ARC-10137-1 NASA-CASE-ARC-10138-1 NASA-CASE-ARC-10140-1 NASA-CASE-ARC-10153 NASA-CASE-ARC-10154-1 NASA-CASE-ARC-10160-1 NASA-CASE-ARC-10176-1 NASA-CASE-ARC-10178-1 NASA-CASE-ARC-10179-1 NASA-CASE-ARC-10180-1 NASA-CASE-ARC-10180-1 NASA-CASE-ARC-10192 NASA-CASE-ARC-10194-1 NASA-CASE-ARC-10196-1 NASA-CASE-ARC-10197-1 NASA-CASE-ARC-10198 NASA-CASE-ARC-10199 NASA-CASE-ARC-10263-1 NASA-CASE-ARC-10264-1 NASA-CASE-ARC-10265-1 NASA-CASE-ARC-10266-1 NASA-CASE-ARC-10269-1 NASA-CASE-ARC-10275-1 NASA-CASE-ARC-10278-1 NASA-CASE-ARC-10302-1 NASA-CASE-ARC-10304-1 NASA-CASE-ARC-10304-2 NASA-CASE-ARC-10308-1 NASA-CASE-ARC-10322-1 NASA-CASE-ARC-10325 NASA-CASE-ARC-10329-1 NASA-CASE-ARC-10330-1 NASA-CASE-ARC-10344-2 NASA-CASE-ARC-10345-1 NASA-CASE-ARC-10348-1 NASA-CASE-ARC-10362-1 NASA-CASE-ARC-10364-2	c 60 N85-20680 * # c 71 N85-22105 * # c 35 N85-21597 * # c 76 N84-33211 * # c 72 N85-29701 * # c 33 N85-29151 * # c 32 N84-32620 * # c 74 N84-33179 * # c 33 N85-20250 * # c 76 N85-30934 * # c 37 N85-29291 * # c 37 N85-29291 * # c 31 N85-21407 * # c 33 N85-20251 * # c 72 N85-30779 * # c 44 N84-32912 * # c 31 N85-29084 * # c 76 N85-20906 * # c 36 N85-29265 * # c 26 N85-21325 * # c 32 N85-29121 * # c 35 N85-29219 * # c 34 N85-29182 * # c 35 N85-21598 * # c 52 N85-20639 * # N71-25866 * N71-17822 * N72-29464 * # N72-17172 * # N71-12521 * # N72-11256 * # N71-11193 * # N71-33409 * # N73-25160 * # N71-24739 * # N71-15469 * # N71-24738 * # N71-33109 * # N72-17153 * # N72-22769 * # N71-27754 * # N71-24597 * # N72-17873 * # N72-22202 * # N71-28468 * # N72-24477 * # N71-17653 * # N71-28619 * # N72-22440 * # N72-27278 * # N72-21464 * # N72-17152 * # N72-22619 * # N72-20767 * # N74-12814 * # N72-21245 * # N73-20741 * # N73-13562 * # N74-17929 * # N78-17336 * # N78-17337 * # N72-22438 * # N73-20231 * # N72-28240 * # N75-29318 * # N72-16172 * # N72-22092 * # N73-25463 * # N74-15778 * # N73-26572 * # N74-27037 * # N72-31141 * # N76-18403 * # N72-25147 * # N73-26072 * # N73-32112 * # N75-26334 * # N73-12488 * # N75-19518 * # N73-32326 * # N75-25041 * #
--	--	--	--	---	--

NASA

NASA-CASE-ARC-10364-3	c 33	N75-19520	* #	NASA-CASE-ARC-11031-1	c 52	N81-29763	* #	NASA-CASE-ARC-11503-1	c 35	N85-34374	* #
NASA-CASE-ARC-10370-1	c 36	N75-31426	* #	NASA-CASE-ARC-11035-1	c 52	N79-18580	* #	NASA-CASE-ARC-11504-1	c 09	N84-16221	* #
NASA-CASE-ARC-10441-1	c 35	N74-15126	* #	NASA-CASE-ARC-11036-1	c 35	N78-32395	* #	NASA-CASE-ARC-11505-1	c 18	N84-22612	* #
NASA-CASE-ARC-10442-1	c 35	N74-15093	* #	NASA-CASE-ARC-11039-1	c 74	N78-32854	* #	NASA-CASE-ARC-11510-1	c 35	N84-25015	* #
NASA-CASE-ARC-10443-1	c 14	N73-20477	* #	NASA-CASE-ARC-11040-1	c 24	N79-16915	* #	NASA-CASE-ARC-11511-1	c 23	N84-16259	* #
NASA-CASE-ARC-10444-1	c 16	N73-33397	* #	NASA-CASE-ARC-11042-1	c 24	N78-27184	* #	NASA-CASE-ARC-11512-2	c 27	N84-20702	* #
NASA-CASE-ARC-10445-1	c 31	N76-31365	* #	NASA-CASE-ARC-11043-1	c 24	N78-14096	* #	NASA-CASE-ARC-11512-2	c 27	N85-21362	* #
NASA-CASE-ARC-10447-1	c 52	N74-22771	* #	NASA-CASE-ARC-11044-1	c 24	N78-27180	* #	NASA-CASE-ARC-11522-2	c 27	N85-34280	* #
NASA-CASE-ARC-10448-2	c 74	N75-12732	* #	NASA-CASE-ARC-11045-1	c 05	N79-17847	* #	NASA-CASE-ARC-11533-1	c 27	N85-21364	* #
NASA-CASE-ARC-10448-3	c 35	N77-14408	* #	NASA-CASE-ARC-11046-1	c 35	N78-14364	* #	NASA-CASE-ARC-11534-1	c 54	N84-33021	* #
NASA-CASE-ARC-10456-1	c 05	N75-12930	* #	NASA-CASE-ARC-11051-1	c 27	N78-32260	* #	NASA-CASE-ARC-11536-1	c 33	N85-30202	* #
NASA-CASE-ARC-10461-1	c 44	N74-33379	* #	NASA-CASE-ARC-11052-1	c 37	N79-28551	* #	NASA-CASE-ARC-11538-1-SB	c 24	N85-30033	* #
NASA-CASE-ARC-10462-1	c 37	N74-27901	* #	NASA-CASE-ARC-11053-1	c 25	N79-10162	* #	NASA-CASE-ARC-11543-1	c 54	N85-21986	* #
NASA-CASE-ARC-10463-1	c 09	N73-32111	* #	NASA-CASE-ARC-11057-1	c 27	N78-31233	* #	NASA-CASE-ARC-11547-1	c 36	N85-20320	* #
NASA-CASE-ARC-10464-1	c 27	N74-12812	* #	NASA-CASE-ARC-11058-1	c 54	N78-31735	* #	NASA-CASE-ARC-11610-1	c 54	N85-20666	* #
NASA-CASE-ARC-10466-1	c 60	N75-13539	* #	NASA-CASE-ARC-11058-2	c 54	N79-24651	* #	NASA-CASE-ARC-11613-1	c 33	N85-29150	* #
NASA-CASE-ARC-10467-1	c 09	N73-14214	* #	NASA-CASE-ARC-11059-1	c 54	N78-32721	* #	NASA-CASE-ARC-11615-1-SB	c 24	N85-28978	* #
NASA-CASE-ARC-10468-1	c 14	N73-33361	* #	NASA-CASE-ARC-11060-1	c 27	N79-22300	* #	NASA-CASE-ARC-11616-1	c 54	N85-21987	* #
NASA-CASE-ARC-10469-1	c 25	N75-12086	* #	NASA-CASE-ARC-11097-1	c 25	N82-24312	* #	NASA-CASE-ARC-14408-1	c 27	N82-33523	* #
NASA-CASE-ARC-10470-1	c 02	N73-26005	* #	NASA-CASE-ARC-11100-1	c 54	N78-31736	* #				
NASA-CASE-ARC-10470-3	c 05	N76-29217	* #	NASA-CASE-ARC-11101-1	c 54	N78-17675	* #	NASA-CASE-ERC-10001	c 23	N71-24868	* #
NASA-CASE-ARC-10516-1	c 70	N74-21300	* #	NASA-CASE-ARC-11104-1	c 15	N79-26100	* #	NASA-CASE-ERC-10011	c 07	N71-29065	* #
NASA-CASE-ARC-10519-2	c 05	N75-25915	* #	NASA-CASE-ARC-11106-1	c 05	N80-14107	* #	NASA-CASE-ERC-10013	c 09	N71-26678	* #
NASA-CASE-ARC-10583-1	c 52	N76-29894	* #	NASA-CASE-ARC-11107-1	c 25	N80-16116	* #	NASA-CASE-ERC-10014	c 14	N71-28863	* #
NASA-CASE-ARC-10592-1	c 27	N74-21156	* #	NASA-CASE-ARC-11110-1	c 37	N82-24492	* #	NASA-CASE-ERC-10015-2	c 10	N72-27246	* #
NASA-CASE-ARC-10592-2	c 27	N76-32315	* #	NASA-CASE-ARC-11114-1	c 51	N81-14605	* #	NASA-CASE-ERC-10017	c 16	N71-15567	* #
NASA-CASE-ARC-10593-1	c 33	N74-27682	* #	NASA-CASE-ARC-11116-1	c 33	N82-24420	* #	NASA-CASE-ERC-10019	c 16	N71-15551	* #
NASA-CASE-ARC-10596-1	c 33	N74-21851	* #	NASA-CASE-ARC-11117-1	c 52	N81-14612	* #	NASA-CASE-ERC-10020	c 16	N71-26154	* #
NASA-CASE-ARC-10597-1	c 52	N74-20726	* #	NASA-CASE-ARC-11118-1	c 52	N81-29764	* #	NASA-CASE-ERC-10022	c 15	N71-26633	* #
NASA-CASE-ARC-10598-1	c 75	N74-30156	* #	NASA-CASE-ARC-11118-2	c 52	N81-14613	* #	NASA-CASE-ERC-10031	c 12	N71-18603	* #
NASA-CASE-ARC-10599-1	c 05	N73-26071	* #	NASA-CASE-ARC-11120-1	c 52	N80-18691	* #	NASA-CASE-ERC-10032	c 10	N71-25900	* #
NASA-CASE-ARC-10631-1	c 74	N76-20958	* #	NASA-CASE-ARC-11121-1	c 25	N79-14169	* #	NASA-CASE-ERC-10033	c 14	N71-26672	* #
NASA-CASE-ARC-10633-1	c 25	N74-26947	* #	NASA-CASE-ARC-11154-1	c 25	N80-23383	* #	NASA-CASE-ERC-10034	c 15	N71-24896	* #
NASA-CASE-ARC-10637-1	c 35	N75-16783	* #	NASA-CASE-ARC-11157-1	c 37	N80-18393	* #	NASA-CASE-ERC-10041	c 08	N71-29138	* #
NASA-CASE-ARC-10639-1	c 35	N78-13400	* #	NASA-CASE-ARC-11158-1	c 09	N82-24212	* #	NASA-CASE-ERC-10044-1	c 14	N71-27090	* #
NASA-CASE-ARC-10642-1	c 36	N76-14447	* #	NASA-CASE-ARC-11164-1	c 44	N83-34448	* #	NASA-CASE-ERC-10045	c 15	N71-24910	* #
NASA-CASE-ARC-10643-1	c 25	N75-12087	* #	NASA-CASE-ARC-11167-1	c 52	N81-25662	* #	NASA-CASE-ERC-10046	c 10	N71-18722	* #
NASA-CASE-ARC-10710-1	c 09	N75-12969	* #	NASA-CASE-ARC-11169-1	c 24	N79-24062	* #	NASA-CASE-ERC-10048	c 09	N72-25251	* #
NASA-CASE-ARC-10711-2	c 33	N76-21390	* #	NASA-CASE-ARC-11170-1	c 27	N79-11215	* #	NASA-CASE-ERC-10065	c 09	N71-27364	* #
NASA-CASE-ARC-10712-1	c 07	N74-33218	* #	NASA-CASE-ARC-11174-1	c 24	N81-13999	* #	NASA-CASE-ERC-10072	c 09	N70-11148	* #
NASA-CASE-ARC-10714-1	c 27	N76-15310	* #	NASA-CASE-ARC-11176-1	c 27	N82-18389	* #	NASA-CASE-ERC-10073-1	c 24	N74-19769	* #
NASA-CASE-ARC-10716-1	c 35	N77-20399	* #	NASA-CASE-ARC-11176-2	c 27	N81-27271	* #	NASA-CASE-ERC-10075-2	c 09	N72-22196	* #
NASA-CASE-ARC-10721-1	c 27	N76-22376	* #	NASA-CASE-ARC-11241-1	c 25	N81-14016	* #	NASA-CASE-ERC-10075	c 09	N71-24800	* #
NASA-CASE-ARC-10722-1	c 51	N75-25503	* #	NASA-CASE-ARC-11243-2	c 23	N85-33187	* #	NASA-CASE-ERC-10081	c 14	N72-28437	* #
NASA-CASE-ARC-10753-1	c 54	N75-27760	* #	NASA-CASE-ARC-11244-1	c 23	N82-16174	* #	NASA-CASE-ERC-10087-2	c 14	N72-31446	* #
NASA-CASE-ARC-10754-1	c 07	N75-24736	* #	NASA-CASE-ARC-11245-1	c 28	N82-18401	* #	NASA-CASE-ERC-10087	c 14	N71-27334	* #
NASA-CASE-ARC-10755-2	c 34	N76-27517	* #	NASA-CASE-ARC-11246-1	c 31	N83-34073	* #	NASA-CASE-ERC-10088	c 26	N71-25490	* #
NASA-CASE-ARC-10756-1	c 54	N77-32721	* #	NASA-CASE-ARC-11248-1	c 27	N81-17259	* #	NASA-CASE-ERC-10089	c 23	N72-17747	* #
NASA-CASE-ARC-10760-1	c 25	N76-22323	* #	NASA-CASE-ARC-11251-1	c 37	N81-17433	* #	NASA-CASE-ERC-10090	c 21	N71-24948	* #
NASA-CASE-ARC-10761-1	c 07	N77-18154	* #	NASA-CASE-ARC-11252-1	c 25	N83-36118	* #	NASA-CASE-ERC-10097	c 15	N71-28665	* #
NASA-CASE-ARC-10802-1	c 35	N75-30502	* #	NASA-CASE-ARC-11253-1	c 27	N81-17262	* #	NASA-CASE-ERC-10098	c 09	N71-28618	* #
NASA-CASE-ARC-10806-1	c 35	N75-29381	* #	NASA-CASE-ARC-11253-2	c 27	N82-24338	* #	NASA-CASE-ERC-10100	c 09	N71-33519	* #
NASA-CASE-ARC-10806	c 06	N74-27872	* #	NASA-CASE-ARC-11253-3	c 27	N81-24256	* #	NASA-CASE-ERC-10108	c 06	N72-21094	* #
NASA-CASE-ARC-10807-1	c 05	N77-17029	* #	NASA-CASE-ARC-11255-1	c 15	N82-24272	* #	NASA-CASE-ERC-10112	c 07	N72-21119	* #
NASA-CASE-ARC-10808-1	c 09	N76-24280	* #	NASA-CASE-ARC-11257-1	c 04	N81-21047	* #	NASA-CASE-ERC-10113	c 09	N71-27053	* #
NASA-CASE-ARC-10810-1	c 33	N76-19339	* #	NASA-CASE-ARC-11258-1	c 52	N80-33081	* #	NASA-CASE-ERC-10119	c 26	N72-21701	* #
NASA-CASE-ARC-10812-1	c 07	N83-33884	* #	NASA-CASE-ARC-11261-1	c 24	N83-25789	* #	NASA-CASE-ERC-10120	c 26	N69-33482	* #
NASA-CASE-ARC-10813-1	c 27	N76-16230	* #	NASA-CASE-ARC-11264-2	c 52	N83-29991	* #	NASA-CASE-ERC-10125	c 09	N71-24893	* #
NASA-CASE-ARC-10814-2	c 07	N80-26298	* #	NASA-CASE-ARC-11267-2	c 23	N82-28353	* #	NASA-CASE-ERC-10138	c 26	N71-14354	* #
NASA-CASE-ARC-10816-1	c 35	N76-24525	* #	NASA-CASE-ARC-11310-1	c 27	N82-24339	* #	NASA-CASE-ERC-10139	c 09	N72-17154	* #
NASA-CASE-ARC-10820-1	c 35	N78-19466	* #	NASA-CASE-ARC-11311-1	c 74	N83-13978	* #	NASA-CASE-ERC-10150	c 14	N71-28992	* #
NASA-CASE-ARC-10849-1	c 17	N76-29347	* #	NASA-CASE-ARC-11312-1	c 36	N83-34304	* #	NASA-CASE-ERC-10151	c 16	N71-29131	* #
NASA-CASE-ARC-10855-1	c 52	N77-10780	* #	NASA-CASE-ARC-11314-1	c 54	N82-26987	* #	NASA-CASE-ERC-10174	c 14	N72-25409	* #
NASA-CASE-ARC-10892-2	c 27	N79-14214	* #	NASA-CASE-ARC-11317-1	c 35	N83-34272	* #	NASA-CASE-ERC-10178	c 16	N71-24832	* #
NASA-CASE-ARC-10896-1	c 35	N78-19465	* #	NASA-CASE-ARC-11321-1	c 27	N81-27272	* #	NASA-CASE-ERC-10179	c 07	N72-20141	* #
NASA-CASE-ARC-10897-1	c 33	N77-31404	* #	NASA-CASE-ARC-11322-1	c 51	N83-28849	* #	NASA-CASE-ERC-10180-1	c 60	N74-20836	* #
NASA-CASE-ARC-10898-1	c 35	N77-18417	* #	NASA-CASE-ARC-11325-1	c 37	N82-22496	* #	NASA-CASE-ERC-10187	c 16	N69-31343	* #
NASA-CASE-ARC-10899-1	c 60	N77-19760	* #	NASA-CASE-ARC-11326-1	c 25	N83-33977	* #	NASA-CASE-ERC-10208	c 15	N70-10867	* #
NASA-CASE-ARC-10900-1	c 35	N77-24454	* #	NASA-CASE-ARC-11354-1	c 74	N83-21949	* #	NASA-CASE-ERC-10214	c 09	N72-31235	* #
NASA-CASE-ARC-10903-1	c 09	N78-18083	* #	NASA-CASE-ARC-11359-1	c 51	N84-28361	* #	NASA-CASE-ERC-10222	c 09	N72-22199	* #
NASA-CASE-ARC-10905-1	c 37	N77-13418	* #	NASA-CASE-ARC-11361-1	c 35	N84-22934	* #	NASA-CASE-ERC-10224-2	c 09	N73-27150	* #
NASA-CASE-ARC-10907-1	c 37	N75-32465	* #	NASA-CASE-ARC-11363-1	c 31	N83-28281	* #	NASA-CASE-ERC-10224	c 09	N72-25261	* #
NASA-CASE-ARC-10911-1	c 35	N77-20400	* #	NASA-CASE-ARC-11367-1	c 33	N83-21238	* #	NASA-CASE-ERC-10226-1	c 14	N73-16483	* #
NASA-CASE-ARC-10912-1	c 34	N77-19353	* #	NASA-CASE-ARC-11368-1	c 27	N83-31854	* #	NASA-CASE-ERC-10248	c 14	N72-17323	* #
NASA-CASE-ARC-10913-1	c 24	N78-15180	* #	NASA-CASE-ARC-11368-2	c 27	N85-21347	* #	NASA-CASE-ERC-10267	c 09	N72-23173	* #
NASA-CASE-ARC-10915-2	c 27	N79-18052	* #	NASA-CASE-ARC-11368-3	c 27	N84-22745	* #	NASA-CASE-ERC-10268	c 09	N72-25252	* #
NASA-CASE-ARC-10916-1	c 52	N78-10686	* #	NASA-CASE-ARC-11370-1	c 27	N84-22750	* #	NASA-CASE-ERC-10275	c 26	N72-25680	* #
NASA-CASE-ARC-10917-3	c 51	N78-27733	* #	NASA-CASE-ARC-11372-1	c 08	N83-12098	* #	NASA-CASE-ERC-10276	c 14	N73-26432	* #
NASA-CASE-ARC-10932-1	c 74	N76-22993	* #	NASA-CASE-ARC-11400-1	c 27	N84-14322	* #	NASA-CASE-ERC-10283	c 16	N72-25485	* #
NASA-CASE-ARC-10970-1	c 36	N77-25501	* #	NASA-CASE-ARC-11402-1	c 27	N84-22744	* #	NASA-CASE-ERC-10285	c 10	N73-16206	* #
NASA-CASE-ARC-10974-1	c 34	N77-27345	* #	NASA-CASE-ARC-11405-1	c 27	N84-27884	* #	NASA-CASE-ERC-10292	c 14	N72-25410	* #
NASA-CASE-ARC-10975-1	c 33	N79-15245	* #	NASA-CASE-ARC-11409-1	c 27	N82-32490	* #	NASA-CASE-ERC-10307	c 08	N72-21198	* #
NASA-CASE-ARC-10976-1	c 74	N77-22950	* #	NASA-CASE-ARC-11413-1	c 27	N85-21348	* #	NASA-CASE-ERC-10324	c 07	N72-25173	* #
NASA-CASE-ARC-10977-1	c 07	N80-32392	* #	NASA-CASE-ARC-11414-1	c 37	N83-20152	* #	NASA-CASE-ERC-10325	c 15	N72-25457	* #
NASA-CASE-ARC-10979-1	c 09	N77-19076	* #	NASA-CASE-ARC-11418-1	c 24	N84-11213	* #	NASA-CASE-ERC-10338	c 04	N72-33072	* #
NASA-CASE-ARC-10980-1	c 27	N80-23452	* #	NASA-CASE-ARC-11421-1	c 27	N84-16340	* #	NASA-CASE-ERC-10339-1	c 18	N73-30532	* #
NASA-CASE-ARC-10981-1	c 37	N78-27425	* #	NASA-CASE-ARC-11422-1	c 35	N84-20808	* #	NASA-CASE-ERC-10350	c 14	N73-20474	* #
NASA-CASE-ARC-10984-1	c 32	N77-24328	* #	NASA-CASE-ARC-11423-1	c 03	N84-33394	* #	NASA-CASE-ERC-10363	c 18	N72-25541	* #
NASA-CASE-ARC-10985-1	c 52	N79-10724	* #	NASA-CASE-ARC-11424-1	c 27	N85-34281	*				

NASA-CASE-ERC-10552	c 09	N71-12539 * #	NASA-CASE-GSC-10518-1	c 15	N72-22489 * #	NASA-CASE-GSC-11577-1	c 37	N75-15992 * #
NASA-CASE-ERC-11020	c 14	N71-26774 *	NASA-CASE-GSC-10553-1	c 07	N71-19854 *	NASA-CASE-GSC-11577-3	c 24	N79-25143 * #
NASA-CASE-FRC-10005	a 15	N71-26145 *	NASA-CASE-GSC-10554-1	c 08	N71-29033 *	NASA-CASE-GSC-11582-1	c 33	N75-19517 * #
NASA-CASE-FRC-10010	c 10	N71-24862 *	NASA-CASE-GSC-10555-1	c 21	N71-27324 *	NASA-CASE-GSC-11600-1	c 35	N74-21019 * #
NASA-CASE-FRC-10012	c 14	N72-17329 * #	NASA-CASE-GSC-10556-1	c 31	N71-26537 *	NASA-CASE-GSC-11602-1	c 33	N74-18150 * #
NASA-CASE-FRC-10019	c 15	N73-12487 * #	NASA-CASE-GSC-10557-1	c 31	N71-26537 *	NASA-CASE-GSC-11617-1	c 33	N74-32660 * #
NASA-CASE-FRC-10022	c 12	N71-26546 *	NASA-CASE-GSC-10564	c 10	N71-29135 *	NASA-CASE-GSC-11619-1	c 34	N75-12222 * #
NASA-CASE-FRC-10029-2	c 05	N72-25121 * #	NASA-CASE-GSC-10565-1	c 06	N72-25149 * #	NASA-CASE-GSC-11620-1	c 34	N74-23039 * #
NASA-CASE-FRC-10029	c 09	N71-24618 *	NASA-CASE-GSC-10566-1	c 15	N72-18477 * #	NASA-CASE-GSC-11623-1	c 33	N75-25040 * #
NASA-CASE-FRC-10036	c 09	N72-22200 * #	NASA-CASE-GSC-10590-1	c 31	N73-14853 * #	NASA-CASE-GSC-11743-1	c 32	N75-24981 * #
NASA-CASE-FRC-10038	c 15	N72-20444 * #	NASA-CASE-GSC-10607-1	c 15	N72-20442 * #	NASA-CASE-GSC-11744-1	c 33	N75-26243 * #
NASA-CASE-FRC-10038	c 04	N74-13420 * #	NASA-CASE-GSC-10614-1	c 09	N72-11224 * #	NASA-CASE-GSC-11746-1	c 36	N75-19654 * #
NASA-CASE-FRC-10049-1	c 35	N74-13129 * #	NASA-CASE-GSC-10640-1	c 28	N72-18766 * #	NASA-CASE-GSC-11752-1	c 77	N75-20140 * #
NASA-CASE-FRC-10051-1	c 14	N70-35587 * #	NASA-CASE-GSC-10656-1	c 09	N72-25249 * #	NASA-CASE-GSC-11760-1	c 33	N75-19516 * #
NASA-CASE-FRC-10053	c 14	N73-27379 * #	NASA-CASE-GSC-10667-1	c 10	N71-33129 * #	NASA-CASE-GSC-11782-1	c 74	N76-30053 * #
NASA-CASE-FRC-10060-1	c 01	N71-12217 * #	NASA-CASE-GSC-10668-1	c 07	N71-28430 * #	NASA-CASE-GSC-11783-1	c 33	N75-19516 * #
NASA-CASE-FRC-10063	c 32	N74-20813 * #	NASA-CASE-GSC-10669-1	c 03	N72-20031 * #	NASA-CASE-GSC-11786-1	c 24	N76-24363 * #
NASA-CASE-FRC-10071-1	c 33	N74-14939 * #	NASA-CASE-GSC-10695-1	c 09	N72-25259 * #	NASA-CASE-GSC-11789-1	c 33	N77-14333 * #
NASA-CASE-FRC-10072-1	c 37	N77-14477 * #	NASA-CASE-GSC-10700	c 23	N71-30027 * #	NASA-CASE-GSC-11824-1	c 33	N77-26386 * #
NASA-CASE-FRC-10081-1	c 33	N78-18308 * #	NASA-CASE-GSC-10709-1	c 28	N71-25213 * #	NASA-CASE-GSC-11829-1	c 35	N75-27331 * #
NASA-CASE-FRC-10090-1	c 05	N79-12061 * #	NASA-CASE-GSC-10710-1	c 28	N71-27094 * #	NASA-CASE-GSC-11839-1	c 60	N77-14751 * #
NASA-CASE-FRC-10092-1	c 35	N80-20560 * #	NASA-CASE-GSC-10735-1	c 10	N71-26085 * #	NASA-CASE-GSC-11839-2	c 60	N78-10709 * #
NASA-CASE-FRC-10093-1	c 37	N79-10419 * #	NASA-CASE-GSC-10780-1	c 14	N72-16283 * #	NASA-CASE-GSC-11839-3	c 60	N77-32731 * #
NASA-CASE-FRC-10111-1	c 35	N81-26431 * #	NASA-CASE-GSC-10786-1	c 10	N72-28241 * #	NASA-CASE-GSC-11844-1	c 33	N75-19522 * #
NASA-CASE-FRC-10112-1	c 33	N80-26599 * #	NASA-CASE-GSC-10791-1	c 15	N73-14469 * #	NASA-CASE-GSC-11849-1	c 33	N76-16332 * #
NASA-CASE-FRC-10113-1	c 33	N79-23345 * #	NASA-CASE-GSC-10814-1	c 03	N73-20039 * #	NASA-CASE-GSC-11862-1	c 32	N76-18295 * #
NASA-CASE-FRC-10116-1	c 06	N82-16075 * #	NASA-CASE-GSC-10835-1	c 09	N72-33205 * #	NASA-CASE-GSC-11868-1	c 17	N76-22245 * #
NASA-CASE-FRC-11007-2	c 05	N82-26277 * #	NASA-CASE-GSC-10878-1	c 10	N72-22236 * #	NASA-CASE-GSC-11877-1	c 74	N76-18913 * #
NASA-CASE-FRC-11009-1	c 06	N80-18036 * #	NASA-CASE-GSC-10879-1	c 14	N72-25413 * #	NASA-CASE-GSC-11883-1	c 37	N77-19458 * #
NASA-CASE-FRC-11012-1	c 52	N80-23969 * #	NASA-CASE-GSC-10880-1	c 08	N72-11172 * #	NASA-CASE-GSC-11883-2	c 37	N78-31426 * #
NASA-CASE-FRC-11013-1	c 43	N81-17499 * #	NASA-CASE-GSC-10890-1	c 21	N73-30640 * #	NASA-CASE-GSC-11889-1	c 35	N76-16393 * #
NASA-CASE-FRC-11014-1	c 33	N82-18494 * #	NASA-CASE-GSC-10891-1	c 10	N71-26626 * #	NASA-CASE-GSC-11892-1	c 35	N76-15433 * #
NASA-CASE-FRC-11024-1	c 02	N80-28300 * #	NASA-CASE-GSC-10903	c 14	N73-12444 * #	NASA-CASE-GSC-11893-1	c 35	N76-31489 * #
NASA-CASE-FRC-11025-1	c 33	N82-24417 * #	NASA-CASE-GSC-10913-1	c 15	N72-22491 * #	NASA-CASE-GSC-11895-1	c 35	N76-15436 * #
NASA-CASE-FRC-11026-1	c 24	N82-24296 * #	NASA-CASE-GSC-10945-1	c 21	N72-31637 * #	NASA-CASE-GSC-11898-1	c 32	N77-30309 * #
NASA-CASE-FRC-11029-1	c 06	N81-17057 * #	NASA-CASE-GSC-10949-1	c 07	N71-28965 * #	NASA-CASE-GSC-11902-1	c 38	N77-17495 * #
NASA-CASE-FRC-11041-1	c 33	N82-18493 * #	NASA-CASE-GSC-10975-1	c 08	N73-13187 * #	NASA-CASE-GSC-11909	c 32	N74-20863 * #
NASA-CASE-FRC-11042-1	c 60	N82-24839 * #	NASA-CASE-GSC-10984-1	c 37	N75-26371 * #	NASA-CASE-GSC-11917-2	c 51	N76-29891 * #
NASA-CASE-FRC-11043-1	c 06	N83-33882 * #	NASA-CASE-GSC-10990-1	c 09	N73-26195 * #	NASA-CASE-GSC-11924-1	c 33	N76-27472 * #
NASA-CASE-FRC-11044-1	c 37	N81-33483 * #	NASA-CASE-GSC-11013-1	c 09	N73-19234 * #	NASA-CASE-GSC-11925-1	c 33	N76-18353 * #
NASA-CASE-FRC-11052-1	c 04	N82-23231 * #	NASA-CASE-GSC-11018-1	c 31	N73-30829 * #	NASA-CASE-GSC-11960-1	c 37	N77-14479 * #
NASA-CASE-FRC-11055-1	c 33	N80-29583 * #	NASA-CASE-GSC-11046-1	c 07	N73-28013 * #	NASA-CASE-GSC-11963-1	c 33	N77-10429 * #
NASA-CASE-FRC-11058-1	c 85	N82-33288 * #	NASA-CASE-GSC-11063-1	c 37	N77-27400 * #	NASA-CASE-GSC-11968-1	c 32	N76-15329 * #
NASA-CASE-FRC-11062-1	c 71	N82-16800 * #	NASA-CASE-GSC-11074-1	c 14	N73-28489 * #	NASA-CASE-GSC-11974-1	c 37	N77-19458 * #
NASA-CASE-FRC-11065-1	c 05	N83-19737 * #	NASA-CASE-GSC-11077-1	c 02	N73-13008 * #	NASA-CASE-GSC-11975-1	c 37	N77-19458 * #
NASA-CASE-FRC-11068-1	c 35	N84-12443 * #	NASA-CASE-GSC-11079-1	c 37	N75-18574 * #	NASA-CASE-GSC-11976-1	c 43	N78-10529 * #
NASA-CASE-FRC-11072-1	c 05	N83-27975 * #	NASA-CASE-GSC-11092-2	c 04	N73-27052 * #	NASA-CASE-GSC-11978-1	c 37	N77-17464 * #
NASA-CASE-GSC-10007	c 18	N71-16046 * #	NASA-CASE-GSC-11095-1	c 14	N72-10375 * #	NASA-CASE-GSC-11989-1	c 74	N77-28932 * #
NASA-CASE-GSC-10017-1	c 44	N82-24643 * #	NASA-CASE-GSC-11126-1	c 09	N72-25253 * #	NASA-CASE-GSC-11998-1	c 34	N77-32413 * #
NASA-CASE-GSC-10018-1	c 44	N82-24644 * #	NASA-CASE-GSC-11127-1	c 09	N75-24758 * #	NASA-CASE-GSC-12010-1	c 74	N78-18905 * #
NASA-CASE-GSC-10019-1	c 44	N82-24644 * #	NASA-CASE-GSC-11133-1	c 23	N72-11568 * #	NASA-CASE-GSC-12017-1	c 32	N77-30308 * #
NASA-CASE-GSC-10021-1	c 09	N71-24595 * #	NASA-CASE-GSC-11139	c 09	N71-27016 * #	NASA-CASE-GSC-12018-1	c 33	N77-14334 * #
NASA-CASE-GSC-10022-1	c 10	N71-25882 * #	NASA-CASE-GSC-11149-1	c 15	N73-30457 * #	NASA-CASE-GSC-12022-1	c 44	N76-28635 * #
NASA-CASE-GSC-10041-1	c 10	N71-19418 * #	NASA-CASE-GSC-11163-1	c 15	N73-32360 * #	NASA-CASE-GSC-12022-2	c 44	N78-24609 * #
NASA-CASE-GSC-10062	c 14	N71-15605 * #	NASA-CASE-GSC-11169-2	c 05	N73-32011 * #	NASA-CASE-GSC-12023-1	c 44	N76-28635 * #
NASA-CASE-GSC-10064-1	c 10	N72-22235 * #	NASA-CASE-GSC-11182-1	c 15	N75-13007 * #	NASA-CASE-GSC-12030-1	c 44	N78-24608 * #
NASA-CASE-GSC-10065-1	c 10	N71-27136 * #	NASA-CASE-GSC-11188-1	c 14	N73-32320 * #	NASA-CASE-GSC-12032-2	c 43	N82-13465 * #
NASA-CASE-GSC-10072	c 18	N71-14014 * #	NASA-CASE-GSC-11188-2	c 21	N73-19630 * #	NASA-CASE-GSC-12039-1	c 51	N77-22794 * #
NASA-CASE-GSC-10082-1	c 10	N72-20221 * #	NASA-CASE-GSC-11188-3	c 74	N74-20008 * #	NASA-CASE-GSC-12044-1	c 60	N78-17691 * #
NASA-CASE-GSC-10083-1	c 30	N71-16090 * #	NASA-CASE-GSC-11205-1	c 15	N73-25513 * #	NASA-CASE-GSC-12046-1	c 52	N79-14750 * #
NASA-CASE-GSC-10087-1	c 02	N71-19287 * #	NASA-CASE-GSC-11211-1	c 03	N72-25020 * #	NASA-CASE-GSC-12053-1	c 32	N77-28346 * #
NASA-CASE-GSC-10087-2	c 21	N71-13958 * #	NASA-CASE-GSC-11214-1	c 06	N73-13128 * #	NASA-CASE-GSC-12058-1	c 74	N77-26942 * #
NASA-CASE-GSC-10087-3	c 07	N72-12080 * #	NASA-CASE-GSC-11215-1	c 09	N73-28083 * #	NASA-CASE-GSC-12059-1	c 35	N77-30736 * #
NASA-CASE-GSC-10087-4	c 07	N73-20174 * #	NASA-CASE-GSC-11222-1	c 16	N73-32391 * #	NASA-CASE-GSC-12075-1	c 32	N77-31350 * #
NASA-CASE-GSC-10097-1	c 08	N71-27210 * #	NASA-CASE-GSC-11239-1	c 10	N73-25241 * #	NASA-CASE-GSC-12077-1	c 35	N77-24455 * #
NASA-CASE-GSC-10114-1	c 10	N71-27366 * #	NASA-CASE-GSC-11262-1	c 36	N74-21091 * #	NASA-CASE-GSC-12081-2	c 52	N82-22875 * #
NASA-CASE-GSC-10118-1	c 07	N71-24621 * #	NASA-CASE-GSC-11291-1	c 25	N72-33696 * #	NASA-CASE-GSC-12082-1	c 54	N76-22914 * #
NASA-CASE-GSC-10131-1	c 07	N71-24624 * #	NASA-CASE-GSC-11296-1	c 23	N73-30666 * #	NASA-CASE-GSC-12082-2	c 52	N81-25661 * #
NASA-CASE-GSC-10135	c 33	N78-17296 * #	NASA-CASE-GSC-11302-1	c 14	N73-13416 * #	NASA-CASE-GSC-12083-1	c 73	N78-32848 * #
NASA-CASE-GSC-10185-1	c 07	N72-12081 * #	NASA-CASE-GSC-11304-1	c 06	N72-21105 * #	NASA-CASE-GSC-12088-1	c 74	N78-13874 * #
NASA-CASE-GSC-10186	c 08	N71-33110 * #	NASA-CASE-GSC-11340-1	c 10	N72-33230 * #	NASA-CASE-GSC-12101-1	c 27	N77-32308 * #
NASA-CASE-GSC-10188-1	c 23	N71-24725 * #	NASA-CASE-GSC-11353-1	c 74	N74-21304 * #	NASA-CASE-GSC-12111-2	c 33	N81-29342 * #
NASA-CASE-GSC-10216-1	c 23	N71-26722 * #	NASA-CASE-GSC-11358-1	c 06	N73-26100 * #	NASA-CASE-GSC-12115-1	c 62	N76-31946 * #
NASA-CASE-GSC-10218-1	c 15	N72-21465 * #	NASA-CASE-GSC-11367	c 44	N74-19692 * #	NASA-CASE-GSC-12137-1	c 33	N78-32338 * #
NASA-CASE-GSC-10220-1	c 07	N71-27233 * #	NASA-CASE-GSC-11368-1	c 10	N71-26374 * #	NASA-CASE-GSC-12138-1	c 33	N79-20314 * #
NASA-CASE-GSC-10221-1	c 09	N72-23171 * #	NASA-CASE-GSC-11394-1	c 09	N73-32108 * #	NASA-CASE-GSC-12143-1	c 35	N77-32456 * #
NASA-CASE-GSC-10225-1	c 06	N73-27086 * #	NASA-CASE-GSC-11425-1	c 09	N73-32109 * #	NASA-CASE-GSC-12145-1	c 33	N78-32339 * #
NASA-CASE-GSC-10299-1	c 09	N71-24804 * #	NASA-CASE-GSC-11425-2	c 76	N74-20329 * #	NASA-CASE-GSC-12146-1	c 33	N78-32340 * #
NASA-CASE-GSC-10303	c 15	N72-22487 * #	NASA-CASE-GSC-11426-1	c 76	N75-25730 * #	NASA-CASE-GSC-12147-1	c 32	N81-27341 * #
NASA-CASE-GSC-10306-1	c 15	N71-24694 * #	NASA-CASE-GSC-11429-1	c 32	N74-20864 * #	NASA-CASE-GSC-12148-1	c 32	N79-20296 * #
NASA-CASE-GSC-10344-1	c 03	N72-27053 * #	NASA-CASE-GSC-11434-1	c 34	N74-27859 * #	NASA-CASE-GSC-12150-1	c 32	N79-11265 * #
NASA-CASE-GSC-10349-1	c 44	N82-24645 * #	NASA-CASE-GSC-11444-1	c 14	N73-28490 * #	NASA-CASE-GSC-12158-1	c 51	N83-32583 * #
NASA-CASE-GSC-10350-1	c 44	N82-24642 * #	NASA-CASE-GSC-11445-1	c 31	N74-27902 * #	NASA-CASE-GSC-12168-1	c 31	N79-17029 * #
NASA-CASE-GSC-10361-1	c 18	N72-23581 * #	NASA-CASE-GSC-11446-1	c 33	N74-20860 * #	NASA-CASE-GSC-12171-1	c 33	N79-28416 * #
NASA-CASE-GSC-10366-1	c 10	N71-18772 * #	NASA-CASE-GSC-11479-1	c 35	N74-28097 * #	NASA-CASE-GSC-12173-1	c 51	N79-10694 * #
NASA-CASE-GSC-10373-1	c 07	N71-19773 * #	NASA-CASE-GSC-11487-1	c 14	N73-30393 * #	NASA-CASE-GSC-12190-1	c 33	N79-12321 * #
NASA-CASE-GSC-10376-1	c 14	N71-27407 * #	NASA-CASE-GSC-11492-1	c 35	N74-26949 * #	NASA-CASE-GSC-12191-1	c 31	N80-32583 * #
NASA-CASE-GSC-10390-1	c 07	N72-11149 * #	NASA-CASE-GSC-11513-1	c 33	N74-20862 * #	NASA-CASE-GSC-12194-2	c 20	N82-18314 * #
NASA-CASE-GSC-10413	c 10	N71-26531 * #	NASA-CASE-GSC-11514-1	c 03	N72-24037 * #	NASA-CASE-GSC-12207-1	c 24	N79-14156 * #
NASA-CASE-GSC-10441-1	c 14	N71-27325 * #	NASA-CASE-GSC-11531-1	c 52	N74-27566 * #	NASA-CASE-GSC-12219-1	c 35	N80-18359 * #
NASA-CASE-GSC-10452	c 07	N71-12396 * #	NASA-CASE-GSC-11533-1	c 14	N73-13435 * #	NASA-CASE-GSC-12223-1	c 60	N83-25378 * #
NASA-CASE-GSC-10487-1	c 03	N71-24719 * #	NASA-CASE-GSC-11551-1	c 37	N76-18459 * #	NASA-CASE-GSC-12225-1	c 74	N79-14891 * #
NASA-CASE-GSC-10503-1	c 14	N72-20381 * #	NASA-CASE-GSC-11553-1	c 35	N74-15831 * #	NASA-CASE-GSC-12228-1	c 33	N79-10338 * #
NASA-CASE-GSC-10514-1	c 14	N72-20379 * #	NASA-CASE-GSC-11560-1	c 33	N74-20861 * #	NASA-CASE-GSC-12237-1	c 36	N80-14384 * #
			NASA-CASE-GSC-11569-1	c 89	N74-30886 * #	NASA-CASE-GSC-12253-1	c 34	N79-31523 * #
			NASA-CASE-GSC-11571-1	c 36	N77-25499 * #	NASA-CASE-GSC-12263-1	c 74	N79-20857 * #

NASA-CASE-GSC-12273-1	c 35	N80-21719 *	#	NASA-CASE-HQN-00937	c 07	N71-28979 *	NASA-CASE-KSC-11097-1	c 27	N82-33520 *	#
NASA-CASE-GSC-12274-1	c 37	N79-28550 *	#	NASA-CASE-HQN-00938	c 33	N71-29053 *	NASA-CASE-KSC-11099-1	c 47	N82-24779 *	#
NASA-CASE-GSC-12289-1	c 37	N80-32717 *	#	NASA-CASE-HQN-10037-1	c 14	N73-27376 *	#	c 74	N83-29032 *	#
NASA-CASE-GSC-12291-1	c 76	N80-18951 *	#	NASA-CASE-HQN-10069	c 33	N75-27251 *	#	c 33	N84-15395 *	#
NASA-CASE-GSC-12297-1	c 37	N79-28549 *	#	NASA-CASE-HQN-10274-1	c 27	N82-29451 *	#	c 33	N83-36356 *	#
NASA-CASE-GSC-12303-1	c 24	N79-31347 *	#	NASA-CASE-HQN-10328-2	c 27	N82-29454 *	#	c 09	N85-19990 *	#
NASA-CASE-GSC-12318-1	c 37	N80-23655 *	#	NASA-CASE-HQN-10364	c 06	N71-27363 *	#	c 32	N85-29120 *	#
NASA-CASE-GSC-12321-1	c 36	N82-16396 *	#	NASA-CASE-HQN-10439	c 21	N72-21624 *	#	c 28	N84-29017 *	#
NASA-CASE-GSC-12322-1	c 37	N80-14398 *	#	NASA-CASE-HQN-10462	c 25	N75-29192 *	#			
NASA-CASE-GSC-12324-1	c 33	N81-33403 *	#	NASA-CASE-HQN-10537-1	c 06	N72-10138 *	#	NASA-CASE-LAR-02743	c 14	N73-32324 *
NASA-CASE-GSC-12331-1	c 18	N80-14183 *	#	NASA-CASE-HQN-10541-1	c 07	N71-26291 *	#	NASA-CASE-LAR-10000	c 14	N73-30394 *
NASA-CASE-GSC-12334-1	c 36	N79-14362 *	#	NASA-CASE-HQN-10541-2	c 15	N71-27135 *	#	NASA-CASE-LAR-10007-1	c 05	N71-11195 *
NASA-CASE-GSC-12347-1	c 33	N80-18286 *	#	NASA-CASE-HQN-10541-3	c 23	N72-23695 *	#	NASA-CASE-LAR-10031	c 15	N72-22484 *
NASA-CASE-GSC-12348-1	c 74	N80-24149 *	#	NASA-CASE-HQN-10541-4	c 16	N71-27183 *	#	NASA-CASE-LAR-10056	c 05	N71-12351 *
NASA-CASE-GSC-12354-1	c 35	N82-24471 *	#	NASA-CASE-HQN-10542-1	c 74	N75-25706 *	#	NASA-CASE-LAR-10061-1	c 15	N72-31483 *
NASA-CASE-GSC-12357-1	c 74	N80-21140 *	#	NASA-CASE-HQN-10595-1	c 27	N82-29455 *	#	NASA-CASE-LAR-10073-1	c 37	N76-24575 *
NASA-CASE-GSC-12360-1	c 33	N81-19392 *	#	NASA-CASE-HQN-10638-1	c 15	N73-30460 *	#	NASA-CASE-LAR-10076-1	c 05	N73-20137 *
NASA-CASE-GSC-12365-1	c 32	N80-28578 *	#	NASA-CASE-HQN-10654-1	c 16	N73-13489 *	#	NASA-CASE-LAR-10083-1	c 15	N71-27006 *
NASA-CASE-GSC-12399-1	c 33	N81-25299 *	#	NASA-CASE-HQN-10683	c 14	N71-34389 *	#	NASA-CASE-LAR-10089-1	c 34	N74-23066 *
NASA-CASE-GSC-12411-1	c 33	N81-14221 *	#	NASA-CASE-HQN-10703	c 21	N73-13643 *	#	NASA-CASE-LAR-10098	c 32	N71-26681 *
NASA-CASE-GSC-12415-1	c 33	N82-24419 *	#	NASA-CASE-HQN-10740-1	c 72	N74-19310 *	#	NASA-CASE-LAR-10102-1	c 05	N72-23085 *
NASA-CASE-GSC-12420-1	c 33	N82-16340 *	#	NASA-CASE-HQN-10756-1	c 14	N72-25428 *	#	NASA-CASE-LAR-10103-1	c 15	N73-14468 *
NASA-CASE-GSC-12429-1	c 37	N81-14320 *	#	NASA-CASE-HQN-10780	c 14	N71-30265 *	#	NASA-CASE-LAR-10105-1	c 34	N74-15652 *
NASA-CASE-GSC-12430-1	c 60	N82-16747 *	#	NASA-CASE-HQN-10781	c 23	N71-30292 *	#	NASA-CASE-LAR-10106-1	c 15	N71-27169 *
NASA-CASE-GSC-12447-2	c 60	N84-29491 *	#	NASA-CASE-HQN-10790-1	c 36	N74-11313 *	#	NASA-CASE-LAR-10121-1	c 15	N71-26721 *
NASA-CASE-GSC-12508-1	c 04	N84-22546 *	#	NASA-CASE-HQN-10792-1	c 33	N74-11049 *	#	NASA-CASE-LAR-10128-1	c 08	N73-20217 *
NASA-CASE-GSC-12513-1	c 31	N81-19343 *	#	NASA-CASE-HQN-10832-1	c 71	N74-21014 *	#	NASA-CASE-LAR-10129-1	c 15	N73-25512 *
NASA-CASE-GSC-12515-1	c 33	N81-26360 *	#	NASA-CASE-HQN-10841-1	c 73	N78-19920 *	#	NASA-CASE-LAR-10129-2	c 37	N74-20063 *
NASA-CASE-GSC-12517-1	c 37	N83-32067 *	#	NASA-CASE-HQN-10844-1	c 36	N75-19653 *	#	NASA-CASE-LAR-10135-1	c 09	N79-21083 *
NASA-CASE-GSC-12518-1	c 33	N82-24421 *	#	NASA-CASE-HQN-10862-1	c 09	N76-29699 *	#	NASA-CASE-LAR-10137-1	c 09	N72-22204 *
NASA-CASE-GSC-12528-2	c 74	N81-24900 *	#	NASA-CASE-HQN-10876-1	c 33	N76-27473 *	#	NASA-CASE-LAR-10163-1	c 09	N72-25247 *
NASA-CASE-GSC-12584-1	c 37	N84-28082 *	#	NASA-CASE-HQN-10880-1	c 17	N78-17140 *	#	NASA-CASE-LAR-10168-1	c 33	N74-22865 *
NASA-CASE-GSC-12587-1	c 35	N82-32659 *	#	NASA-CASE-HQN-10888-1	c 44	N79-14527 *	#	NASA-CASE-LAR-10170-1	c 37	N74-11301 *
NASA-CASE-GSC-12592-1	c 36	N84-28065 *	#	NASA-CASE-HQN-10931-2	c 27	N82-29452 *	#	NASA-CASE-LAR-10173-1	c 27	N71-14090 *
NASA-CASE-GSC-12595-1	c 33	N82-24422 *	#	NASA-CASE-KSC-10002	c 10	N71-25865 *	#	NASA-CASE-LAR-10176-1	c 14	N72-20380 *
NASA-CASE-GSC-12608-1	c 74	N83-10900 *	#	NASA-CASE-KSC-10003	c 10	N73-13235 *	#	NASA-CASE-LAR-10180-1	c 06	N71-13461 *
NASA-CASE-GSC-12609-1	c 36	N81-22344 *	#	NASA-CASE-KSC-10020	c 10	N71-27338 *	#	NASA-CASE-LAR-10184	c 14	N72-22445 *
NASA-CASE-GSC-12609-2	c 36	N83-29681 *	#	NASA-CASE-KSC-10031	c 15	N72-22486 *	#	NASA-CASE-LAR-10193-1	c 14	N71-27146 *
NASA-CASE-GSC-12614-1	c 74	N83-32577 *	#	NASA-CASE-KSC-10108	c 14	N73-25461 *	#	NASA-CASE-LAR-10194-1	c 35	N74-30608 *
NASA-CASE-GSC-12619-1	c 37	N84-12491 *	#	NASA-CASE-KSC-10126	c 11	N71-24985 *	#	NASA-CASE-LAR-10195-1	c 15	N73-19458 *
NASA-CASE-GSC-12622-1	c 37	N84-12492 *	#	NASA-CASE-KSC-10162	c 09	N72-11225 *	#	NASA-CASE-LAR-10203-1	c 15	N72-16330 *
NASA-CASE-GSC-12630-1	c 33	N83-36355 *	#	NASA-CASE-KSC-10164	c 07	N71-33108 *	#	NASA-CASE-LAR-10204	c 14	N71-27215 *
NASA-CASE-GSC-12636-1	c 31	N83-27058 *	#	NASA-CASE-KSC-10198	c 07	N71-33108 *	#	NASA-CASE-LAR-10208-1	c 35	N76-18400 *
NASA-CASE-GSC-12640-1	c 74	N84-11920 *	#	NASA-CASE-KSC-10242	c 11	N71-28629 *	#	NASA-CASE-LAR-10218-1	c 09	N70-34559 *
NASA-CASE-GSC-12643-1	c 37	N83-26078 *	#	NASA-CASE-KSC-10278	c 15	N72-23497 *	#	NASA-CASE-LAR-10226-1	c 14	N73-19419 *
NASA-CASE-GSC-12645-1	c 33	N84-16454 *	#	NASA-CASE-KSC-10294	c 05	N72-16015 *	#	NASA-CASE-LAR-10241-1	c 54	N74-14845 *
NASA-CASE-GSC-12646-1	c 33	N83-34191 *	#	NASA-CASE-KSC-10294	c 14	N72-18411 *	#	NASA-CASE-LAR-10249-1	c 02	N71-26110 *
NASA-CASE-GSC-12650-1	c 33	N84-14421 *	#	NASA-CASE-KSC-10326	c 08	N72-21197 *	#	NASA-CASE-LAR-10253-1	c 09	N72-25258 *
NASA-CASE-GSC-12652-1	c 52	N84-34913 *	#	NASA-CASE-KSC-10326	c 07	N73-26117 *	#	NASA-CASE-LAR-10256-1	c 85	N74-34672 *
NASA-CASE-GSC-12682-1	c 35	N84-33765 *	#	NASA-CASE-KSC-10392	c 08	N72-21247 *	#	NASA-CASE-LAR-10270-1	c 32	N72-25877 *
NASA-CASE-GSC-12683-1	c 74	N83-36898 *	#	NASA-CASE-KSC-10397	c 08	N72-25205 *	#	NASA-CASE-LAR-10274-1	c 14	N71-17626 *
NASA-CASE-GSC-12686-1	c 27	N83-34039 *	#	NASA-CASE-KSC-10513	c 15	N72-25453 *	#	NASA-CASE-LAR-10276-1	c 09	N75-15662 *
NASA-CASE-GSC-12697-1	c 31	N82-11312 *	#	NASA-CASE-KSC-10521	c 07	N73-20176 *	#	NASA-CASE-LAR-10294-1	c 26	N72-28762 *
NASA-CASE-GSC-12697-2	c 44	N83-28574 *	#	NASA-CASE-KSC-10565	c 09	N72-25250 *	#	NASA-CASE-LAR-10295-1	c 35	N74-21062 *
NASA-CASE-GSC-12726-1	c 37	N83-34323 *	#	NASA-CASE-KSC-10595	c 08	N73-12176 *	#	NASA-CASE-LAR-10305	c 14	N71-26137 *
NASA-CASE-GSC-12756-1	c 74	N84-23248 *	#	NASA-CASE-KSC-10615	c 15	N79-12486 *	#	NASA-CASE-LAR-10310-1	c 10	N73-20253 *
NASA-CASE-GSC-12761-1	c 74	N83-13982 *	#	NASA-CASE-KSC-10622-1	c 31	N72-21893 *	#	NASA-CASE-LAR-10311-1	c 16	N73-16536 *
NASA-CASE-GSC-12762-1	c 37	N84-28083 *	#	NASA-CASE-KSC-10626	c 14	N73-27378 *	#	NASA-CASE-LAR-10317-1	c 32	N71-16103 *
NASA-CASE-GSC-12770-1	c 25	N83-29324 *	#	NASA-CASE-KSC-10639	c 15	N73-26472 *	#	NASA-CASE-LAR-10318-1	c 31	N74-18089 *
NASA-CASE-GSC-12771-1	c 34	N84-14461 *	#	NASA-CASE-KSC-10644	c 09	N72-27227 *	#	NASA-CASE-LAR-10319-1	c 14	N73-32322 *
NASA-CASE-GSC-12773-1	c 33	N83-12332 *	#	NASA-CASE-KSC-10647-1	c 10	N72-31273 *	#	NASA-CASE-LAR-10320-1	c 09	N72-23172 *
NASA-CASE-GSC-12782-1	c 33	N83-13360 *	#	NASA-CASE-KSC-10654-1	c 07	N73-30115 *	#	NASA-CASE-LAR-10323-1	c 12	N71-17573 *
NASA-CASE-GSC-12788-1	c 33	N85-29145 *	#	NASA-CASE-KSC-10698	c 07	N73-20175 *	#	NASA-CASE-LAR-10337-1	c 24	N75-30260 *
NASA-CASE-GSC-12789-1	c 35	N85-20294 *	#	NASA-CASE-KSC-10723-1	c 37	N75-13265 *	#	NASA-CASE-LAR-10348-1	c 11	N73-12264 *
NASA-CASE-GSC-12795-1	c 35	N83-20085 *	#	NASA-CASE-KSC-10728-1	c 14	N73-32319 *	#	NASA-CASE-LAR-10365-1	c 05	N72-27102 *
NASA-CASE-GSC-12799-1	c 31	N85-21404 *	#	NASA-CASE-KSC-10729-1	c 09	N73-32110 *	#	NASA-CASE-LAR-10372	c 09	N71-18599 *
NASA-CASE-GSC-12804-1	c 33	N83-35228 *	#	NASA-CASE-KSC-10730-1	c 14	N73-32318 *	#	NASA-CASE-LAR-10373-1	c 18	N74-26155 *
NASA-CASE-GSC-12808-1	c 25	N85-21279 *	#	NASA-CASE-KSC-10736-1	c 33	N74-27862 *	#	NASA-CASE-LAR-10385-2	c 70	N74-13436 *
NASA-CASE-GSC-12812-1	c 34	N83-35307 *	#	NASA-CASE-KSC-10750-1	c 33	N75-19521 *	#	NASA-CASE-LAR-10385-3	c 74	N78-15879 *
NASA-CASE-GSC-12816-1	c 76	N83-30268 *	#	NASA-CASE-KSC-10769-1	c 35	N75-12270 *	#	NASA-CASE-LAR-10403	c 21	N71-11766 *
NASA-CASE-GSC-12817-1	c 33	N85-29146 *	#	NASA-CASE-KSC-10789-1	c 33	N74-29556 *	#	NASA-CASE-LAR-10409-1	c 31	N74-21059 *
NASA-CASE-GSC-12818-1	c 33	N85-29147 *	#	NASA-CASE-KSC-11004-1	c 53	N77-30749 *	#	NASA-CASE-LAR-10416-1	c 24	N74-30001 *
NASA-CASE-GSC-12825-1	c 74	N85-20868 *	#	NASA-CASE-KSC-11008-1	c 33	N75-26246 *	#	NASA-CASE-LAR-10423-1	c 23	N82-29358 *
NASA-CASE-GSC-12849-1	c 74	N84-15960 *	#	NASA-CASE-KSC-11010-1	c 33	N75-30431 *	#	NASA-CASE-LAR-10426-1	c 09	N74-19528 *
NASA-CASE-GSC-12851-1	c 35	N85-30281 *	#	NASA-CASE-KSC-11018-1	c 33	N75-26246 *	#	NASA-CASE-LAR-10439-1	c 33	N73-27796 *
NASA-CASE-GSC-12880-1	c 26	N84-20670 *	#	NASA-CASE-KSC-11023-1	e 52	N77-14738 *	#	NASA-CASE-LAR-10440-1	c 14	N73-32323 *
NASA-CASE-GSC-12883-1	c 27	N85-29044 *	#	NASA-CASE-KSC-11025-1	c 33	N79-18193 *	#	NASA-CASE-LAR-10450-1	c 37	N74-27905 *
NASA-CASE-GSC-12892-1	c 32	N85-20226 *	#	NASA-CASE-KSC-11030-1	c 54	N77-30749 *	#	NASA-CASE-LAR-10483-1	c 14	N73-32327 *
NASA-CASE-GSC-12897-1	c 74	N84-25450 *	#	NASA-CASE-KSC-11035-1	c 33	N79-12890 *	#	NASA-CASE-LAR-10489-1	c 31	N74-18124 *
NASA-CASE-GSC-12899-1	c 33	N84-29085 *	#	NASA-CASE-KSC-11047-1	c 33	N79-10337 *	#	NASA-CASE-LAR-10492-2	c 31	N74-32920 *
NASA-CASE-GSC-12911-1	c 35	N84-25016 *	#	NASA-CASE-KSC-11048-1	c 32	N79-23310 *	#	NASA-CASE-LAR-10496-1	c 14	N72-22437 *
NASA-CASE-GSC-12913-1	c 27	N84-24807 *	#	NASA-CASE-KSC-11051-1	c 32	N83-13323 *	#	NASA-CASE-LAR-10496-1	c 19	N72-21248 *
NASA-CASE-GSC-12958-1	c 33	N85-30201 *	#	NASA-CASE-KSC-11069-1	c 52	N77-25772 *	#	NASA-CASE-LAR-10507-1	c 11	N72-25284 *
				NASA-CASE-KSC-11069-1	c 33	N79-11315 *	#	NASA-CASE-LAR-10511-1	c 09	N72-29172 *
NASA-CASE-HQN-00573-1	c 37	N79-33468 *	#	NASA-CASE-KSC-11085-1	c 44	N78-32542 *	#	NASA-CASE-LAR-10513-1	c 07	N72-25170 *
NASA-CASE-HQN-00936	c 31	N71-29050 *	#		c 35	N78-28411 *	#	NASA-CASE-LAR-10523-1	c 14	N72-22444 *

NASA-CASE-LAR-10574-1	c 11	N73-13257 * #	NASA-CASE-LAR-11465-1	c 37	N76-21554 * #	NASA-CASE-LAR-12315-1	c 37	N82-24490 * #
NASA-CASE-LAR-10578-1	c 12	N73-25262 * #	NASA-CASE-LAR-11476-1	c 07	N76-27232 #	NASA-CASE-LAR-12320-1	c 54	N81-27806 * #
NASA-CASE-LAR-10585-1	c 02	N76-22154 * #	NASA-CASE-LAR-11490-1	c 39	N78-16387 #	NASA-CASE-LAR-12321-1	c 35	N82-24470 * #
NASA-CASE-LAR-10586-1	c 19	N74-15089 * #	NASA-CASE-LAR-11500-1	c 35	N76-24523 * #	NASA-CASE-LAR-12326-1	c 02	N81-14968 #
NASA-CASE-LAR-10590-1	c 15	N70-26819 * #	NASA-CASE-LAR-11549-1	c 37	N77-11397 #	NASA-CASE-LAR-12328-1	c 36	N82-32712 * #
NASA-CASE-LAR-10595-1	c 35	N74-16135 * #	NASA-CASE-LAR-11551-1	c 44	N80-29834 #	NASA-CASE-LAR-12344-1	c 43	N80-18498 #
NASA-CASE-LAR-10612-1	c 12	N73-28144 * #	NASA-CASE-LAR-11552-1	c 35	N76-14429 * #	NASA-CASE-LAR-12361-1	c 37	N83-19091 #
NASA-CASE-LAR-10620-1	c 09	N72-25255 * #	NASA-CASE-LAR-11563-1	c 37	N77-23482 #	NASA-CASE-LAR-12363-1	c 35	N82-31659 #
NASA-CASE-LAR-10623-1	c 14	N73-30395 * #	NASA-CASE-LAR-11570-1	c 34	N76-18364 * #	NASA-CASE-LAR-12363-2	c 33	N83-24763 * #
NASA-CASE-LAR-10626-1	c 19	N74-21015 * #	NASA-CASE-LAR-11575-1	c 02	N76-16014 #	NASA-CASE-LAR-12372-1	c 37	N82-18601 #
NASA-CASE-LAR-10629-1	c 35	N75-33367 * #	NASA-CASE-LAR-11607-1	c 32	N77-14292 #	NASA-CASE-LAR-12375-1	c 32	N79-24203 * #
NASA-CASE-LAR-10634-1	c 37	N74-18123 * #	NASA-CASE-LAR-11617-2	c 35	N78-32397 #	NASA-CASE-LAR-12393-1	c 34	N83-34221 * #
NASA-CASE-LAR-10642-1	c 07	N74-31270 * #	NASA-CASE-LAR-11645-1	c 02	N77-10001 #	NASA-CASE-LAR-12396-1	c 02	N84-28732 #
NASA-CASE-LAR-10668-1	c 06	N73-16106 * #	NASA-CASE-LAR-11648-1	c 35	N77-14407 #	NASA-CASE-LAR-12406-1	c 05	N81-26114 #
NASA-CASE-LAR-10670-1	c 06	N73-30097 * #	NASA-CASE-LAR-11649-1	c 51	N77-27677 #	NASA-CASE-LAR-12412-1	c 08	N82-24205 * #
NASA-CASE-LAR-10670-2	c 15	N74-27360 * #	NASA-CASE-LAR-11658-1	c 37	N77-14478 #	NASA-CASE-LAR-12421-1	c 09	N82-23254 * #
NASA-CASE-LAR-10682-1	c 02	N73-26004 * #	NASA-CASE-LAR-11667-1	c 52	N76-19785 * #	NASA-CASE-LAR-12458-1	c 44	N83-21503 * #
NASA-CASE-LAR-10686	c 14	N71-28935 * #	NASA-CASE-LAR-11674-1	c 07	N76-18117 #	NASA-CASE-LAR-12465-1	c 33	N82-26572 * #
NASA-CASE-LAR-10688-1	c 37	N74-21056 * #	NASA-CASE-LAR-11675-1	c 45	N76-17656 * #	NASA-CASE-LAR-12468-1	c 08	N82-32373 * #
NASA-CASE-LAR-10717-1	c 21	N73-30641 * #	NASA-CASE-LAR-11688-1	c 24	N82-26384 #	NASA-CASE-LAR-12469-1	c 35	N83-21311 #
NASA-CASE-LAR-10726-1	c 14	N73-20475 * #	NASA-CASE-LAR-11690-1	c 35	N80-14371 #	NASA-CASE-LAR-12471-1	c 52	N82-29862 * #
NASA-CASE-LAR-10728-1	c 13	N73-12445 * #	NASA-CASE-LAR-11695-2	c 37	N80-18402 #	NASA-CASE-LAR-12474-1	c 35	N82-26628 * #
NASA-CASE-LAR-10730-1	c 33	N74-10223 * #	NASA-CASE-LAR-11695-2	c 37	N81-24443 #	NASA-CASE-LAR-12482-1	c 37	N82-32732 * #
NASA-CASE-LAR-10739-1	c 14	N73-16484 * #	NASA-CASE-LAR-11709-1	c 37	N76-27567 #	NASA-CASE-LAR-12495-1	c 44	N83-28573 * #
NASA-CASE-LAR-10753-1	c 08	N74-30421 * #	NASA-CASE-LAR-11711-1	c 74	N78-17866 #	NASA-CASE-LAR-12513-1	c 44	N82-32841 * #
NASA-CASE-LAR-10756-1	c 32	N73-26910 * #	NASA-CASE-LAR-11726-1	c 37	N76-27568 #	NASA-CASE-LAR-12518-1	c 06	N84-32383 #
NASA-CASE-LAR-10765-1	c 32	N73-20740 * #	NASA-CASE-LAR-11729-1	c 34	N79-12359 #	NASA-CASE-LAR-12520-1	c 51	N81-28698 #
NASA-CASE-LAR-10773-3	c 51	N77-25769 * #	NASA-CASE-LAR-11745-1	c 32	N80-29539 #	NASA-CASE-LAR-12531-1	c 35	N83-29651 #
NASA-CASE-LAR-10774	c 10	N71-13545 * #	NASA-CASE-LAR-11782-1	c 74	N77-20882 #	NASA-CASE-LAR-12532-1	c 09	N82-11088 #
NASA-CASE-LAR-10776-1	c 02	N74-10034 * #	NASA-CASE-LAR-11797-1	c 05	N81-19087 #	NASA-CASE-LAR-12541-1	c 05	N84-22551 #
NASA-CASE-LAR-10782-1	c 31	N74-14133 * #	NASA-CASE-LAR-11821-1	c 26	N80-28492 #	NASA-CASE-LAR-12544-1	c 07	N81-27096 #
NASA-CASE-LAR-10782-2	c 31	N75-13111 * #	NASA-CASE-LAR-11825-1	c 35	N77-22449 #	NASA-CASE-LAR-12552-1	c 35	N82-11431 #
NASA-CASE-LAR-10799-2	c 34	N76-17317 * #	NASA-CASE-LAR-11827-1	c 32	N77-10392 #	NASA-CASE-LAR-12562-1	c 08	N81-26152 * #
NASA-CASE-LAR-10800-1	c 33	N72-27959 * #	NASA-CASE-LAR-11828-1	c 27	N78-32261 #	NASA-CASE-LAR-12588-1	c 34	N85-21568 #
NASA-CASE-LAR-10805-2	c 34	N77-18382 * #	NASA-CASE-LAR-11855-1	c 37	N81-14319 #	NASA-CASE-LAR-12592-1	c 36	N82-13415 * #
NASA-CASE-LAR-10806-1	c 35	N74-32877 * #	NASA-CASE-LAR-11859-1	c 35	N79-14349 #	NASA-CASE-LAR-12595-1	c 33	N82-26571 * #
NASA-CASE-LAR-10812-1	c 09	N74-17955 * #	NASA-CASE-LAR-11868-2	c 08	N79-14108 #	NASA-CASE-LAR-12602-1	c 39	N83-32081 #
NASA-CASE-LAR-10815-1	c 16	N72-22520 * #	NASA-CASE-LAR-11869-1	c 74	N78-27904 #	NASA-CASE-LAR-12615-1	c 05	N84-12154 #
NASA-CASE-LAR-10836-1	c 26	N72-27784 * #	NASA-CASE-LAR-11883-1	c 09	N77-27131 #	NASA-CASE-LAR-12620-1	c 24	N82-32417 * #
NASA-CASE-LAR-10841-1	c 31	N74-27900 * #	NASA-CASE-LAR-11889-1	c 35	N79-26372 #	NASA-CASE-LAR-12624-1	c 01	N83-35992 #
NASA-CASE-LAR-10855-1	c 14	N73-13415 * #	NASA-CASE-LAR-11889-2	c 37	N78-27424 #	NASA-CASE-LAR-12625-1	c 02	N83-19715 #
NASA-CASE-LAR-10862-1	c 35	N74-15092 * #	NASA-CASE-LAR-11898-1	c 24	N78-10214 #	NASA-CASE-LAR-12630-1	c 06	N84-27733 #
NASA-CASE-LAR-10868-1	c 33	N74-11050 * #	NASA-CASE-LAR-11898-2	c 24	N78-17149 #	NASA-CASE-LAR-12633-1	c 33	N82-24416 #
NASA-CASE-LAR-10894-1	c 18	N73-14584 * #	NASA-CASE-LAR-11900-1	c 37	N79-14382 #	NASA-CASE-LAR-12638-1	c 04	N84-14132 #
NASA-CASE-LAR-10900-1	c 37	N74-23064 * #	NASA-CASE-LAR-11902-1	c 27	N78-17206 #	NASA-CASE-LAR-12640-1	c 27	N82-11206 #
NASA-CASE-LAR-10907-1	c 35	N76-29551 * #	NASA-CASE-LAR-11903-2	c 71	N84-14873 #	NASA-CASE-LAR-12642-1	c 27	N81-29229 #
NASA-CASE-LAR-10910-1	c 35	N74-13132 * #	NASA-CASE-LAR-11919-1	c 07	N78-27121 #	NASA-CASE-LAR-12644-1	c 37	N84-28084 #
NASA-CASE-LAR-10913	c 14	N72-16282 * #	NASA-CASE-LAR-11922-1	c 25	N79-24073 #	NASA-CASE-LAR-12650-1	c 52	N84-28388 #
NASA-CASE-LAR-10941-1	c 37	N74-21057 * #	NASA-CASE-LAR-11932-1	c 05	N78-32086 #	NASA-CASE-LAR-12650-2	c 52	N84-28389 #
NASA-CASE-LAR-10941-2	c 37	N79-13364 * #	NASA-CASE-LAR-11970-2	c 08	N81-19130 #	NASA-CASE-LAR-12654-1	c 33	N83-36357 #
NASA-CASE-LAR-10953-1	c 17	N73-27446 * #	NASA-CASE-LAR-11973-1	c 35	N78-27384 #	NASA-CASE-LAR-12659-1	c 33	N82-26570 #
NASA-CASE-LAR-10970-1	c 33	N76-14372 * #	NASA-CASE-LAR-11995-1	c 28	N77-10213 #	NASA-CASE-LAR-12686-1	c 35	N84-14491 #
NASA-CASE-LAR-10994-1	c 24	N75-13032 * #	NASA-CASE-LAR-11999-1	c 44	N80-18552 #	NASA-CASE-LAR-12705-1	c 25	N82-26396 #
NASA-CASE-LAR-11021-1	c 32	N76-14321 * #	NASA-CASE-LAR-12007-3	c 35	N84-16523 #	NASA-CASE-LAR-12706-1	c 35	N84-12444 * #
NASA-CASE-LAR-11027-1	c 35	N74-18088 * #	NASA-CASE-LAR-12009-1	c 44	N78-15560 * #	NASA-CASE-LAR-12709-1	c 35	N82-28604 #
NASA-CASE-LAR-11042-1	c 33	N75-27252 * #	NASA-CASE-LAR-12016-1	c 39	N78-15512 #	NASA-CASE-LAR-12719-1	c 44	N83-34449 #
NASA-CASE-LAR-11051-1	c 15	N76-14158 * #	NASA-CASE-LAR-12018-1	c 20	N78-24275 * #	NASA-CASE-LAR-12720-1	c 44	N83-21504 * #
NASA-CASE-LAR-11053-1	c 25	N74-18551 * #	NASA-CASE-LAR-12019-1	c 24	N78-17150 #	NASA-CASE-LAR-12723-1	c 27	N85-20123 #
NASA-CASE-LAR-11059-1	c 76	N75-12810 * #	NASA-CASE-LAR-12027-1	c 39	N79-22537 #	NASA-CASE-LAR-12723-2	c 27	N84-22746 #
NASA-CASE-LAR-11069-1	c 35	N75-12272 * #	NASA-CASE-LAR-12045-1	c 34	N77-24423 #	NASA-CASE-LAR-12728-1	c 35	N83-32026 #
NASA-CASE-LAR-11071-1	c 35	N75-19611 #	NASA-CASE-LAR-12046-1	c 25	N78-15210 #	NASA-CASE-LAR-12729-1	c 37	N82-26676 #
NASA-CASE-LAR-11074-1	c 51	N75-13502 * #	NASA-CASE-LAR-12052-1	c 18	N81-29152 #	NASA-CASE-LAR-12738-2	c 37	N85-30335 #
NASA-CASE-LAR-11110-1	c 34	N75-26282 * #	NASA-CASE-LAR-12054-1	c 27	N79-33316 #	NASA-CASE-LAR-12743-1	c 35	N84-28019 #
NASA-CASE-LAR-11112-1	c 32	N76-15330 * #	NASA-CASE-LAR-12054-2	c 27	N81-14078 #	NASA-CASE-LAR-12750-1	c 02	N81-19016 #
NASA-CASE-LAR-11138	c 12	N71-20436 * #	NASA-CASE-LAR-12065-1	c 24	N81-14000 #	NASA-CASE-LAR-12751-1	c 15	N84-16231 #
NASA-CASE-LAR-11139-1	c 35	N74-32878 * #	NASA-CASE-LAR-12065-2	c 24	N81-33235 #	NASA-CASE-LAR-12772-1	c 33	N83-16626 #
NASA-CASE-LAR-11141-1	c 07	N74-32418 * #	NASA-CASE-LAR-12077-1	c 31	N81-25259 #	NASA-CASE-LAR-12775-1	c 27	N83-28240 #
NASA-CASE-LAR-11144-1	c 25	N75-26043 * #	NASA-CASE-LAR-12095-1	c 31	N81-25258 #	NASA-CASE-LAR-12775-2	c 27	N85-21349 #
NASA-CASE-LAR-11155-1	c 35	N74-15091 #	NASA-CASE-LAR-12099-1	c 27	N80-16158 #	NASA-CASE-LAR-12785-1	c 37	N84-16561 #
NASA-CASE-LAR-11173-1	c 35	N75-19614 * #	NASA-CASE-LAR-12106-1	c 71	N78-14867 #	NASA-CASE-LAR-12786-1	c 37	N84-28085 #
NASA-CASE-LAR-11201-1	c 35	N78-24515 * #	NASA-CASE-LAR-12147-1	c 31	N79-11246 #	NASA-CASE-LAR-12787-2	c 08	N85-19985 #
NASA-CASE-LAR-11207-1	c 35	N75-19613 #	NASA-CASE-LAR-12148-1	c 44	N82-24640 #	NASA-CASE-LAR-12801-1	c 37	N82-20544 #
NASA-CASE-LAR-11208-1	c 44	N78-32539 #	NASA-CASE-LAR-12149-2	c 09	N79-31228 #	NASA-CASE-LAR-12807-1	c 24	N84-11214 #
NASA-CASE-LAR-11211-1	c 37	N75-12326 * #	NASA-CASE-LAR-12175-1	c 05	N82-28279 #	NASA-CASE-LAR-12838-1	c 27	N83-34040 #
NASA-CASE-LAR-11213-1	c 35	N75-15014 #	NASA-CASE-LAR-12176-1	c 36	N80-16321 #	NASA-CASE-LAR-12843-1	c 02	N84-11136 #
NASA-CASE-LAR-11224-1	c 37	N76-18456 * #	NASA-CASE-LAR-12177-1	c 36	N81-24422 #	NASA-CASE-LAR-12847-1	c 33	N83-16633 #
NASA-CASE-LAR-11237-1	c 35	N75-19612 * #	NASA-CASE-LAR-12178-1	c 74	N80-21138 #	NASA-CASE-LAR-12858-1	c 27	N83-34041 #
NASA-CASE-LAR-11252-1	c 05	N75-25914 #	NASA-CASE-LAR-12181-1	c 27	N81-17205 #	NASA-CASE-LAR-12858-2	c 27	N85-20124 #
NASA-CASE-LAR-11263-1	c 35	N75-33369 #	NASA-CASE-LAR-12183-1	c 36	N79-18307 #	NASA-CASE-LAR-12862-1	c 27	N84-27886 #
NASA-CASE-LAR-11310-1	c 07	N77-28118 #	NASA-CASE-LAR-12195-1	c 31	N81-27324 #	NASA-CASE-LAR-12864-1	c 37	N85-30336 #
NASA-CASE-LAR-11326-1	c 35	N75-33368 #	NASA-CASE-LAR-12196-1	c 33	N81-26358 #	NASA-CASE-LAR-12868-1	c 37	N85-21651 #
NASA-CASE-LAR-11341-1	c 36	N75-19655 #	NASA-CASE-LAR-12205-1	c 44	N80-20810 #	NASA-CASE-LAR-12870-1	c 36	N84-16542 #
NASA-CASE-LAR-11352-1	c 33	N75-26245 * #	NASA-CASE-LAR-12215-1	c 08	N79-23097 #	NASA-CASE-LAR-12871-1	c 35	N85-29218 #
NASA-CASE-LAR-11354-1	c 35	N75-27330 #	NASA-CASE-LAR-12230-1	c 35	N79-14347 #	NASA-CASE-LAR-12875-1	c 37	N83-20156 #
NASA-CASE-LAR-11361-1	c 44	N77-22607 #	NASA-CASE-LAR-12250-1	c 14	N81-26161 #	NASA-CASE-LAR-12881-1	c 27	N84-14323 #
NASA-CASE-LAR-11370-1	c 35	N80-28686 #	NASA-CASE-LAR-12251-1	c 74	N79-14892 #	NASA-CASE-LAR-12882-1	c 35	N84-12445 #
NASA-CASE-LAR-11387-1	c 04	N76-20114 #	NASA-CASE-LAR-12251-1	c 74	N80-27185 #	NASA-CASE-LAR-12883-1	c 71	N83-17235 #
NASA-CASE-LAR-11387-2	c 04	N77-19056 #	NASA-CASE-LAR-12260-1	c 35	N79-10390 #	NASA-CASE-LAR-12884-1	c 18	N84-33450 #
NASA-CASE-LAR-11389-1	c 33	N77-26387 #	NASA-CASE-LAR-12261-1	c 02	N80-20224 #	NASA-CASE-LAR-12887-1	c 24	N84-20649 #
NASA-CASE-LAR-11390-1	c 32	N77-21267 #	NASA-CASE-LAR-12264-1	c 15	N78-32168 #	NASA-CASE-LAR-12893-1	c 76	N85-30923 #
NASA-CASE-LAR-11397-1	c 27	N75-29263 #	NASA-CASE-LAR-12268-1	c 08	N81-24106 #	NASA-CASE-LAR-12894-1	c 27	N85-20125 #
NASA-CASE-LAR-11405-1	c 45	N76-31714 #	NASA-CASE-LAR-12269-1	c 35	N80-18358 #	NASA-CASE-LAR-12923-1	c 37	N84-12493 #
NASA-CASE-LAR-11428-1	c 35	N74-34857 #	NASA-CASE-LAR-12275-1	c 35	N79-18296 #	NASA-CASE-LAR-12931-1	c 27	N84-22747 #
NASA-CASE-LAR-11434-1	c 35	N76-22509 #	NASA-CASE-LAR-12285-1	c 35	N80-28687 #	NASA-CASE-LAR-12950-1	c 09	N84-34448 #
NASA-CASE-LAR-11435-1	c 35	N76-15432 #	NASA-CASE-LAR-12304-1	c 35	N80-20559 #	NASA-CASE-LAR-12958-1	c 44	N84-23019 #
NASA-CASE-LAR-11458-1	c 35	N76-16392 #	NASA-CASE-LAR-12308-1	c 35	N81-29407 #	NASA-CASE-LAR-12966-1	c 35	N85-30282 #

NASA-CASE-LAR-12967-1	c 35	N84-22932 *	NASA-CASE-LEW-11015	c 26	N73-32571 *	NASA-CASE-LEW-12118-1	c 24	N77-27188 *
NASA-CASE-LAR-12968-1	c 35	N83-34273 *	NASA-CASE-LEW-11026-1	c 15	N73-33383 *	NASA-CASE-LEW-12119-1	c 37	N80-28711 *
NASA-CASE-LAR-12971-1	c 47	N84-28292 *	NASA-CASE-LEW-11058-1	c 20	N74-13502 *	NASA-CASE-LEW-12119-2	c 37	N81-26447 *
NASA-CASE-LAR-12979-1	c 05	N85-21147 *	NASA-CASE-LEW-11065-2	c 44	N76-14600 *	NASA-CASE-LEW-12131-1	c 37	N79-18318 *
NASA-CASE-LAR-12980-1	c 27	N84-22749 *	NASA-CASE-LEW-11069-1	c 44	N74-14784 *	NASA-CASE-LEW-12131-2	c 37	N80-26658 *
NASA-CASE-LAR-12984-1	c 06	N84-20522 *	NASA-CASE-LEW-11072-1	c 14	N73-24472 *	NASA-CASE-LEW-12131-3	c 37	N82-19540 *
NASA-CASE-LAR-12995-1	c 35	N84-22933 *	NASA-CASE-LEW-11072-2	c 35	N76-15434 *	NASA-CASE-LEW-12137-1	c 25	N78-10224 *
NASA-CASE-LAR-13006-1	c 17	N83-20095 *	NASA-CASE-LEW-11076-1	c 37	N74-21061 *	NASA-CASE-LEW-12159-1	c 44	N78-19599 *
NASA-CASE-LAR-13009-1	c 37	N85-29285 *	NASA-CASE-LEW-11076-2	c 37	N74-32921 *	NASA-CASE-LEW-12164-1	c 36	N77-32478 *
NASA-CASE-LAR-13014-1	c 09	N85-21178 *	NASA-CASE-LEW-11076-3	c 37	N75-30562 *	NASA-CASE-LEW-12174-2	c 35	N79-14346 *
NASA-CASE-LAR-13019-1	c 07	N85-35194 *	NASA-CASE-LEW-11076-4	c 37	N76-15461 *	NASA-CASE-LEW-12185-1	c 44	N78-25528 *
NASA-CASE-LAR-13028-1	c 52	N85-30618 *	NASA-CASE-LEW-11087-1	c 15	N73-30458 *	NASA-CASE-LEW-12217-1	c 43	N78-14452 *
NASA-CASE-LAR-13040-1	c 37	N85-29286 *	NASA-CASE-LEW-11087-2	c 37	N74-15128 *	NASA-CASE-LEW-12220-1	c 44	N77-14581 *
NASA-CASE-LAR-13053-1	c 43	N83-29783 *	NASA-CASE-LEW-11087-3	c 37	N74-21064 *	NASA-CASE-LEW-12232-1	c 07	N79-10057 *
NASA-CASE-LAR-13065-1	c 35	N85-20295 *	NASA-CASE-LEW-11101-1	c 31	N73-32750 *	NASA-CASE-LEW-12236-2	c 44	N79-14528 *
NASA-CASE-LAR-13076-1	c 08	N85-35200 *	NASA-CASE-LEW-11118-1	c 20	N74-32919 *	NASA-CASE-LEW-12245-1	c 26	N77-20201 *
NASA-CASE-LAR-13094-1	c 35	N85-29217 *	NASA-CASE-LEW-11118-2	c 20	N76-14191 *	NASA-CASE-LEW-12252-1	c 34	N79-13288 *
NASA-CASE-LAR-13098-1	c 31	N83-35178 *	NASA-CASE-LEW-11152-1	c 15	N73-32359 *	NASA-CASE-LEW-12253-1	c 74	N83-19596 *
NASA-CASE-LAR-13117-1	c 18	N84-16250 *	NASA-CASE-LEW-11158-1	c 37	N77-28486 *	NASA-CASE-LEW-12258-1	c 52	N77-28716 *
NASA-CASE-LAR-13118-1	c 27	N84-28988 *	NASA-CASE-LEW-11159-1	c 14	N73-28488 *	NASA-CASE-LEW-12270-1	c 26	N77-32280 *
NASA-CASE-LAR-13134-1	c 05	N85-19980 *	NASA-CASE-LEW-11162-1	c 33	N74-12913 *	NASA-CASE-LEW-12274-1	c 37	N80-31790 *
NASA-CASE-LAR-13135-1	c 27	N84-34616 *	NASA-CASE-LEW-11169-1	c 37	N76-23570 *	NASA-CASE-LEW-12296-1	c 33	N80-19425 *
NASA-CASE-LAR-13150-1	c 24	N85-28975 *	NASA-CASE-LEW-11179-1	c 27	N76-16229 *	NASA-CASE-LEW-12296-1	c 33	N82-26568 *
NASA-CASE-LAR-13151-1	c 33	N85-20247 *	NASA-CASE-LEW-11180-1	c 25	N73-25760 *	NASA-CASE-LEW-12312-1	c 07	N77-32148 *
NASA-CASE-LAR-13153-1	c 71	N84-21274 *	NASA-CASE-LEW-11187-1	c 28	N73-19793 *	NASA-CASE-LEW-12313-1	c 37	N78-10468 *
NASA-CASE-LAR-13155-1	c 18	N84-20628 *	NASA-CASE-LEW-11188-1	c 02	N74-20646 *	NASA-CASE-LEW-12317-1	c 07	N78-17055 *
NASA-CASE-LAR-13169-1	c 37	N84-25063 *	NASA-CASE-LEW-11192-1	c 09	N73-13208 *	NASA-CASE-LEW-12321-1	c 37	N78-10467 *
NASA-CASE-LAR-13173-1	c 05	N85-19981 *	NASA-CASE-LEW-11227-1	c 73	N75-30876 *	NASA-CASE-LEW-12358-1	c 44	N79-17313 *
NASA-CASE-LAR-13174-1	c 72	N84-25431 *	NASA-CASE-LEW-11262-1	c 27	N74-13270 *	NASA-CASE-LEW-12358-2	c 25	N82-21268 *
NASA-CASE-LAR-13181-1	c 31	N85-29083 *	NASA-CASE-LEW-11267-1	c 17	N73-32414 *	NASA-CASE-LEW-12364-1	c 44	N77-22606 *
NASA-CASE-LAR-13198-1	c 37	N85-29287 *	NASA-CASE-LEW-11274-1	c 37	N75-21631 *	NASA-CASE-LEW-12378-1	c 07	N79-14097 *
NASA-CASE-LAR-13226-1	c 27	N85-34282 *	NASA-CASE-LEW-11286-1	c 07	N74-27490 *	NASA-CASE-LEW-12389-2	c 07	N78-18066 *
NASA-CASE-LAR-13230-1	c 24	N84-34571 *	NASA-CASE-LEW-11325-1	c 06	N73-27980 *	NASA-CASE-LEW-12389-3	c 07	N79-14096 *
NASA-CASE-LAR-13233-1	c 05	N84-33400 *	NASA-CASE-LEW-11326-1	c 23	N73-30665 *	NASA-CASE-LEW-12390-1	c 07	N78-17056 *
NASA-CASE-LAR-13243-1	c 35	N85-34375 *	NASA-CASE-LEW-11358	c 03	N71-26084 *	NASA-CASE-LEW-12419-1	c 07	N77-14025 *
NASA-CASE-LAR-13250-1	c 37	N84-20859 *	NASA-CASE-LEW-11359-2	c 03	N72-20034 *	NASA-CASE-LEW-12441-1	c 34	N79-13289 *
NASA-CASE-LAR-13254-1	c 31	N85-20154 *	NASA-CASE-LEW-11359	c 03	N71-28579 *	NASA-CASE-LEW-12441-2	c 34	N80-24573 *
NASA-CASE-LAR-13255-1	c 02	N84-12092 *	NASA-CASE-LEW-11387-1	c 37	N74-18128 *	NASA-CASE-LEW-12443-1	c 44	N81-24519 *
NASA-CASE-LAR-13257-1	c 25	N84-32447 *	NASA-CASE-LEW-11388-1	c 15	N73-32358 *	NASA-CASE-LEW-12443-1	c 44	N83-32175 *
NASA-CASE-LAR-13262-1	c 23	N85-28973 *	NASA-CASE-LEW-11388-2	c 37	N74-21055 *	NASA-CASE-LEW-12444-1	c 33	N77-28385 *
NASA-CASE-LAR-13268-1	c 35	N85-29216 *	NASA-CASE-LEW-11390-2	c 25	N76-27383 *	NASA-CASE-LEW-12445-1	c 37	N81-22360 *
NASA-CASE-LAR-13270-1	c 27	N84-32532 *	NASA-CASE-LEW-11390-3	c 25	N76-29379 *	NASA-CASE-LEW-12452-1	c 07	N78-25089 *
NASA-CASE-LAR-13286-1	c 02	N85-28922 *	NASA-CASE-LEW-11402-1	c 07	N74-28226 *	NASA-CASE-LEW-12465-1	c 25	N78-25148 *
NASA-CASE-LAR-13294-1	c 35	N85-21610 *	NASA-CASE-LEW-11484-1	c 24	N75-33181 *	NASA-CASE-LEW-12477-1	c 37	N77-32501 *
NASA-CASE-LAR-13310-1	c 32	N85-21441 *	NASA-CASE-LEW-11496-1	c 44	N77-14580 *	NASA-CASE-LEW-12493-1	c 24	N81-17170 *
NASA-CASE-LAR-13316-1	c 27	N84-28987 *	NASA-CASE-LEW-11531	c 15	N71-19392 *	NASA-CASE-LEW-12493-2	c 24	N81-26179 *
NASA-CASE-LAR-13342-1	c 35	N85-20297 *	NASA-CASE-LEW-11549-1	c 44	N77-19571 *	NASA-CASE-LEW-12496-1	c 07	N78-33101 *
NASA-CASE-LAR-13351-1	c 27	N85-21360 *	NASA-CASE-LEW-11569-1	c 07	N74-15453 *	NASA-CASE-LEW-12508-1	c 34	N78-17335 *
NASA-CASE-LAR-13353-1	c 27	N85-20128 *	NASA-CASE-LEW-11573-1	c 26	N77-28265 *	NASA-CASE-LEW-12508-3	c 34	N83-29625 *
			NASA-CASE-LEW-11581-1	c 54	N75-13531 *	NASA-CASE-LEW-12513-1	c 25	N79-22235 *
NASA-CASE-LEW-10106-1	c 28	N71-26642 *	NASA-CASE-LEW-11583-1	c 35	N79-17192 *	NASA-CASE-LEW-12527-1	c 37	N77-32500 *
NASA-CASE-LEW-10155-1	c 09	N71-29035 *	NASA-CASE-LEW-11593-1	c 20	N76-14190 *	NASA-CASE-LEW-12541-1	c 44	N78-25529 *
NASA-CASE-LEW-10199-1	c 27	N74-23125 *	NASA-CASE-LEW-11617-1	c 33	N74-10195 *	NASA-CASE-LEW-12542-2	c 26	N79-22271 *
NASA-CASE-LEW-10210-1	c 28	N71-26781 *	NASA-CASE-LEW-11632-2	c 35	N75-13213 *	NASA-CASE-LEW-12542-3	c 26	N80-32484 *
NASA-CASE-LEW-10219-1	c 18	N71-28729 *	NASA-CASE-LEW-11646-1	c 20	N74-31269 *	NASA-CASE-LEW-12550-1	c 24	N77-19170 *
NASA-CASE-LEW-10233	c 10	N71-27126 *	NASA-CASE-LEW-11669-1	c 05	N73-27062 *	NASA-CASE-LEW-12552-1	c 44	N78-25527 *
NASA-CASE-LEW-10250-1	c 22	N71-28759 *	NASA-CASE-LEW-11672-1	c 37	N74-27904 *	NASA-CASE-LEW-12552-2	c 44	N79-11472 *
NASA-CASE-LEW-10278-1	c 15	N71-28582 *	NASA-CASE-LEW-11676-1	c 37	N76-22541 *	NASA-CASE-LEW-12554-1	c 34	N78-18355 *
NASA-CASE-LEW-10281-1	c 14	N72-17327 *	NASA-CASE-LEW-11694-1	c 20	N75-18310 *	NASA-CASE-LEW-12569-1	c 37	N79-10418 *
NASA-CASE-LEW-10286-1	c 28	N71-28915 *	NASA-CASE-LEW-11694-2	c 37	N76-14461 *	NASA-CASE-LEW-12582-1	c 76	N83-34796 *
NASA-CASE-LEW-10326-3	c 37	N74-10474 *	NASA-CASE-LEW-11696-1	c 37	N75-13261 *	NASA-CASE-LEW-12586-1	c 44	N80-14472 *
NASA-CASE-LEW-10327	c 17	N71-33408 *	NASA-CASE-LEW-11696-2	c 26	N75-19408 *	NASA-CASE-LEW-12587-1	c 44	N77-31601 *
NASA-CASE-LEW-10330-1	c 10	N72-27226 *	NASA-CASE-LEW-11726-1	c 26	N73-26752 *	NASA-CASE-LEW-12590-1	c 37	N84-22958 *
NASA-CASE-LEW-10345-1	c 09	N71-25899 *	NASA-CASE-LEW-11855-1	c 07	N78-25090 *	NASA-CASE-LEW-12594-2	c 07	N81-19116 *
NASA-CASE-LEW-10359-2	c 33	N73-25952 *	NASA-CASE-LEW-11860-1	c 37	N76-18458 *	NASA-CASE-LEW-12608-1	c 07	N77-27116 *
NASA-CASE-LEW-10359	c 33	N72-25911 *	NASA-CASE-LEW-11866-1	c 72	N76-15860 *	NASA-CASE-LEW-12619-1	c 24	N77-19171 *
NASA-CASE-LEW-10364-1	c 09	N71-13522 *	NASA-CASE-LEW-11873-1	c 37	N79-22475 *	NASA-CASE-LEW-12649-1	c 44	N78-25530 *
NASA-CASE-LEW-10374-1	c 28	N73-13773 *	NASA-CASE-LEW-11876-1	c 20	N76-21276 *	NASA-CASE-LEW-12658-1	c 71	N79-14871 *
NASA-CASE-LEW-10387	c 09	N72-22201 *	NASA-CASE-LEW-11877-1	c 34	N78-27357 *	NASA-CASE-LEW-12661-1	c 35	N79-14345 *
NASA-CASE-LEW-10393-1	c 17	N71-15468 *	NASA-CASE-LEW-11881-1	c 33	N77-17354 *	NASA-CASE-LEW-12668-1	c 52	N78-14773 *
NASA-CASE-LEW-10424-2-2	c 18	N72-25539 *	NASA-CASE-LEW-11890-1	c 05	N79-24976 *	NASA-CASE-LEW-12718-1	c 34	N78-25539 *
NASA-CASE-LEW-10433-1	c 09	N72-22197 *	NASA-CASE-LEW-11915-1	c 35	N76-14431 *	NASA-CASE-LEW-12723-1	c 52	N80-18690 *
NASA-CASE-LEW-10436-1	c 17	N73-32415 *	NASA-CASE-LEW-11925-1	c 37	N75-31446 *	NASA-CASE-LEW-12760-1	c 07	N77-17059 *
NASA-CASE-LEW-10450-1	c 15	N72-25448 *	NASA-CASE-LEW-11930-1	c 24	N76-22309 *	NASA-CASE-LEW-12775-1	c 44	N79-11468 *
NASA-CASE-LEW-10489-1	c 15	N72-25447 *	NASA-CASE-LEW-11930-3	c 24	N80-33482 *	NASA-CASE-LEW-12780-1	c 20	N79-20179 *
NASA-CASE-LEW-10518-1	c 24	N72-33681 *	NASA-CASE-LEW-11930-4	c 24	N79-17916 *	NASA-CASE-LEW-12785-1	c 37	N78-24545 *
NASA-CASE-LEW-10518-3	c 25	N78-27226 *	NASA-CASE-LEW-11938-1	c 33	N76-15373 *	NASA-CASE-LEW-12791-1	c 33	N78-32341 *
NASA-CASE-LEW-10533-1	c 15	N73-28515 *	NASA-CASE-LEW-11949-1	c 37	N76-29588 *	NASA-CASE-LEW-12793-1	c 37	N79-11403 *
NASA-CASE-LEW-10533-2	c 37	N74-11300 *	NASA-CASE-LEW-11978-1	c 33	N77-26385 *	NASA-CASE-LEW-12806-2	c 44	N81-12542 *
NASA-CASE-LEW-10689-1	c 28	N71-26173 *	NASA-CASE-LEW-11981-1	c 31	N78-17237 *	NASA-CASE-LEW-12819-1	c 44	N79-11467 *
NASA-CASE-LEW-10698-1	c 37	N74-21063 *	NASA-CASE-LEW-11981-2	c 34	N79-20336 *	NASA-CASE-LEW-12819-2	c 44	N79-18444 *
NASA-CASE-LEW-10770-1	c 28	N72-22770 *	NASA-CASE-LEW-12013-1	c 33	N79-10339 *	NASA-CASE-LEW-12830-1	c 07	N77-23106 *
NASA-CASE-LEW-10794-1	c 06	N72-17093 *	NASA-CASE-LEW-12039-1	c 44	N78-14625 *	NASA-CASE-LEW-12876-2	c 27	N83-29392 *
NASA-CASE-LEW-10805-1	c 15	N73-13465 *	NASA-CASE-LEW-12048-1	c 20	N77-20162 *	NASA-CASE-LEW-12892-1	c 44	N83-14692 *
NASA-CASE-LEW-10805-2	c 37	N74-13179 *	NASA-CASE-LEW-12050-1	c 35	N77-32454 *	NASA-CASE-LEW-12905-1	c 26	N78-18183 *
NASA-CASE-LEW-10805-3	c 26	N74-10521 *	NASA-CASE-LEW-12051-1	c 52	N75-33640 *	NASA-CASE-LEW-12906-1	c 26	N77-32279 *
NASA-CASE-LEW-10814-1	c 28	N70-35422 *	NASA-CASE-LEW-12053-1	c 27	N78-15276 *	NASA-CASE-LEW-12907-2	c 07	N81-19115 *
NASA-CASE-LEW-10835-1	c 28	N72-22771 *	NASA-CASE-LEW-12053-2	c 27	N79-28307 *	NASA-CASE-LEW-12916-1	c 37	N78-17384 *
NASA-CASE-LEW-10856-1	c 15	N72-22490 *	NASA-CASE-LEW-12078-1	c 35	N75-30503 *	NASA-CASE-LEW-12917-1	c 07	N78-18067 *
NASA-CASE-LEW-10874-1	c 17	N72-22535 *	NASA-CASE-LEW-12081-1	c 28	N78-24365 *	NASA-CASE-LEW-12918-1	c 44	N81-24521 *
NASA-CASE-LEW-10906-1	c 25	N74-30502 *	NASA-CASE-LEW-12081-2	c 28	N80-20402 *	NASA-CASE-LEW-12919-1		

NASA-CASE-LEW-12950-1	c 34	N82-11399 * #	NASA-CASE-LEW-13881-1	c 20	N85-21256 * #	NASA-CASE-MFS-20130	c 28	N71-27585 * #
NASA-CASE-LEW-12950-2	c 34	N85-29179 * #	NASA-CASE-LEW-13914-1	c 37	N85-33489 * #	NASA-CASE-MFS-20180	c 16	N72-12440 * #
NASA-CASE-LEW-12955-1	c 52	N80-14684 * #	NASA-CASE-LEW-13922-1	c 33	N84-11389 * #	NASA-CASE-MFS-20207-1	c 09	N73-32107 * #
NASA-CASE-LEW-12971-1	c 07	N80-18039 * #	NASA-CASE-LEW-13923-1	c 26	N85-35267 * #	NASA-CASE-MFS-20240	c 14	N71-26788 * #
NASA-CASE-LEW-12972-1	c 44	N79-25481 * #	NASA-CASE-LEW-13934-1	c 35	N83-35338 * #	NASA-CASE-MFS-20242	c 14	N73-19421 * #
NASA-CASE-LEW-12982-1	c 37	N81-19455 * #	NASA-CASE-LEW-13935-1	c 33	N85-20248 * #	NASA-CASE-MFS-20243	c 23	N73-13662 * #
NASA-CASE-LEW-12989-1	c 37	N82-12442 * #	NASA-CASE-LEW-14028-1	c 44	N84-32909 * #	NASA-CASE-MFS-20249	c 15	N71-11386 * #
NASA-CASE-LEW-12990-1	c 07	N81-29129 * #	NASA-CASE-LEW-14035-1	c 07	N84-24577 * #	NASA-CASE-MFS-20261	c 14	N71-27005 * #
NASA-CASE-LEW-12991-1	c 37	N81-24442 * #	NASA-CASE-LEW-14037-1	c 20	N84-32425 * #	NASA-CASE-MFS-20284-1	c 52	N74-12778 * #
NASA-CASE-LEW-12995-1	c 37	N84-33808 * #	NASA-CASE-LEW-14039-1	c 34	N85-33433 * #	NASA-CASE-MFS-20299	c 15	N72-11392 * #
NASA-CASE-LEW-13027-1	c 27	N80-24437 * #	NASA-CASE-LEW-14053-1	c 37	N85-34402 * #	NASA-CASE-MFS-20317	c 15	N73-13463 * #
NASA-CASE-LEW-13028-1	c 27	N82-33521 * #	NASA-CASE-LEW-14057-1	c 24	N85-35233 * #	NASA-CASE-MFS-20325	c 28	N71-27095 * #
NASA-CASE-LEW-13050-1	c 07	N79-14095 * #	NASA-CASE-LEW-14072-1	c 27	N85-20129 * #	NASA-CASE-MFS-20332-2	c 05	N73-25125 * #
NASA-CASE-LEW-13088-1	c 26	N81-25188 * #	NASA-CASE-LEW-14077-1	c 44	N85-34441 * #	NASA-CASE-MFS-20332	c 05	N72-20097 * #
NASA-CASE-LEW-13101-2	c 23	N81-29160 * #	NASA-CASE-LEW-14080-1	c 31	N85-20153 * #	NASA-CASE-MFS-20333	c 09	N71-13486 * #
NASA-CASE-LEW-13102-1	c 33	N85-29144 * #	NASA-CASE-LEW-14104-1	c 26	N85-21324 * #	NASA-CASE-MFS-20335-1	c 35	N74-10415 * #
NASA-CASE-LEW-13103-1	c 27	N80-32516 * #	NASA-CASE-LEW-14108-1	c 33	N85-29149 * #	NASA-CASE-MFS-20355	c 33	N71-25353 * #
NASA-CASE-LEW-13107-1	c 52	N83-21785 * #	NASA-CASE-LEW-14130-1	c 31	N85-20156 * #	NASA-CASE-MFS-20385	c 09	N71-24904 * #
NASA-CASE-LEW-13107-2	c 52	N84-23095 * #	NASA-CASE-LEW-14170-1	c 37	N85-20377 * #	NASA-CASE-MFS-20386	c 21	N71-19212 * #
NASA-CASE-LEW-13120-1	c 27	N82-28440 * #	NASA-CASE-LEW-14177-1	c 44	N85-20535 * #	NASA-CASE-MFS-20395	c 15	N71-24903 * #
NASA-CASE-LEW-13131-1	c 44	N83-10494 * #	NASA-CASE-LEW-14586-1	c 07	N83-31603 * #	NASA-CASE-MFS-20400	c 31	N71-18611 * #
NASA-CASE-LEW-13132-1	c 27	N83-29388 * #	NASA-CASE-LEW-23169-2	c 26	N81-16209 * #	NASA-CASE-MFS-20407	c 09	N73-19235 * #
NASA-CASE-LEW-13135-2	c 27	N81-24257 * #				NASA-CASE-MFS-20408	c 18	N73-12604 * #
NASA-CASE-LEW-13142-1	c 07	N83-36029 * #	NASA-CASE-MFG-25989-1	c 20	N85-20008 * #	NASA-CASE-MFS-20410	c 15	N71-19214 * #
NASA-CASE-LEW-13148-1	c 33	N80-20487 * #				NASA-CASE-MFS-20413	c 15	N72-21463 * #
NASA-CASE-LEW-13148-2	c 44	N81-29524 * #	NASA-CASE-MFS-06074	c 15	N71-20393 * #	NASA-CASE-MFS-20418	c 14	N73-24473 * #
NASA-CASE-LEW-13150-1	c 44	N79-26474 * #	NASA-CASE-MFS-07369	c 15	N71-20443 * #	NASA-CASE-MFS-20423	c 15	N72-11388 * #
NASA-CASE-LEW-13169-1	c 26	N82-29415 * #	NASA-CASE-MFS-10068	c 10	N71-25139 * #	NASA-CASE-MFS-20433	c 15	N72-28496 * #
NASA-CASE-LEW-13169-2	c 26	N82-30371 * #	NASA-CASE-MFS-10340	c 15	N71-17628 * #	NASA-CASE-MFS-20434	c 11	N72-25288 * #
NASA-CASE-LEW-13171-1	c 44	N82-29708 * #	NASA-CASE-MFS-10412	c 12	N71-17578 * #	NASA-CASE-MFS-20453	c 15	N71-29133 * #
NASA-CASE-LEW-13171-2	c 44	N83-32176 * #	NASA-CASE-MFS-10506	c 06	N73-30100 * #	NASA-CASE-MFS-20482	c 15	N72-22492 * #
NASA-CASE-LEW-13174-1	c 34	N83-27144 * #	NASA-CASE-MFS-10507	c 06	N73-30101 * #	NASA-CASE-MFS-20485	c 14	N72-11365 * #
NASA-CASE-LEW-13199-1	c 07	N82-26293 * #	NASA-CASE-MFS-10509	c 06	N73-30103 * #	NASA-CASE-MFS-20486-2	c 27	N74-17283 * #
NASA-CASE-LEW-13201-1	c 07	N81-14999 * #	NASA-CASE-MFS-10512	c 06	N73-30099 * #	NASA-CASE-MFS-20506-1	c 35	N75-12273 * #
NASA-CASE-LEW-13226-1	c 27	N81-17260 * #	NASA-CASE-MFS-10555	c 11	N71-19494 * #	NASA-CASE-MFS-20509	c 11	N72-17183 * #
NASA-CASE-LEW-13246-1	c 44	N83-27344 * #	NASA-CASE-MFS-10946-1	c 31	N79-21226 * #	NASA-CASE-MFS-20523	c 14	N72-27412 * #
NASA-CASE-LEW-13268-1	c 27	N82-29453 * #	NASA-CASE-MFS-11132	c 15	N71-17649 * #	NASA-CASE-MFS-20546-2	c 14	N73-30889 * #
NASA-CASE-LEW-13268-2	c 37	N82-26674 * #	NASA-CASE-MFS-11133	c 31	N71-16222 * #	NASA-CASE-MFS-20586	c 15	N71-17661 * #
NASA-CASE-LEW-13268-3	c 37	N83-28450 * #	NASA-CASE-MFS-11204	c 14	N71-29134 * #	NASA-CASE-MFS-20589	c 25	N72-32688 * #
NASA-CASE-LEW-13269-1	c 18	N83-20996 * #	NASA-CASE-MFS-11279	c 16	N71-20400 * #	NASA-CASE-MFS-20596	c 14	N72-17324 * #
NASA-CASE-LEW-13269-2	c 37	N84-22957 * #	NASA-CASE-MFS-11492	c 06	N73-30102 * #	NASA-CASE-MFS-20607-1	c 37	N76-19436 * #
NASA-CASE-LEW-13282-1	c 33	N82-24415 * #	NASA-CASE-MFS-11497	c 28	N71-16224 * #	NASA-CASE-MFS-20619	c 28	N72-11708 * #
NASA-CASE-LEW-13286-1	c 33	N83-14422 * #	NASA-CASE-MFS-11537	c 14	N71-20442 * #	NASA-CASE-MFS-20620	c 11	N72-27262 * #
NASA-CASE-LEW-13324-1	c 26	N82-26431 * #	NASA-CASE-MFS-12750	c 27	N71-16223 * #	NASA-CASE-MFS-20642	c 14	N72-21407 * #
NASA-CASE-LEW-13324-2	c 24	N85-21266 * #	NASA-CASE-MFS-12805	c 15	N71-17805 * #	NASA-CASE-MFS-20645-1	c 37	N74-23070 * #
NASA-CASE-LEW-13339-1	c 26	N82-31505 * #	NASA-CASE-MFS-12806	c 14	N71-17588 * #	NASA-CASE-MFS-20658-1	c 14	N73-30386 * #
NASA-CASE-LEW-13343-1	c 27	N82-28441 * #	NASA-CASE-MFS-12827	c 14	N71-17656 * #	NASA-CASE-MFS-20673	c 14	N73-20476 * #
NASA-CASE-LEW-13343-2	c 26	N83-31795 * #	NASA-CASE-MFS-12915	c 11	N71-17600 * #	NASA-CASE-MFS-20675	c 26	N73-26751 * #
NASA-CASE-LEW-13349-1	c 26	N84-22734 * #	NASA-CASE-MFS-13046	c 07	N71-19433 * #	NASA-CASE-MFS-20698-2	c 15	N73-19457 * #
NASA-CASE-LEW-1335901	c 27	N83-31855 * #	NASA-CASE-MFS-13130	c 10	N72-17173 * #	NASA-CASE-MFS-20698	c 15	N72-20446 * #
NASA-CASE-LEW-13400-1	c 44	N82-31784 * #	NASA-CASE-MFS-13532	c 18	N72-17532 * #	NASA-CASE-MFS-20710	c 11	N72-23215 * #
NASA-CASE-LEW-13401-1	c 44	N82-29709 * #	NASA-CASE-MFS-13686	c 15	N71-18132 * #	NASA-CASE-MFS-20730-1	c 39	N74-13131 * #
NASA-CASE-LEW-13401-2	c 44	N83-32177 * #	NASA-CASE-MFS-13687-2	c 09	N72-22198 * #	NASA-CASE-MFS-20757	c 09	N72-28225 * #
NASA-CASE-LEW-13414-1	c 44	N85-20530 * #	NASA-CASE-MFS-13687	c 09	N71-28691 * #	NASA-CASE-MFS-20760	c 14	N72-33377 * #
NASA-CASE-LEW-13426-1	c 25	N84-16276 * #	NASA-CASE-MFS-13929	c 15	N71-27091 * #	NASA-CASE-MFS-20761-1	c 44	N74-27519 * #
NASA-CASE-LEW-13429-1	c 33	N83-31952 * #	NASA-CASE-MFS-13994-1	c 06	N71-11240 * #	NASA-CASE-MFS-20767-1	c 38	N74-15130 * #
NASA-CASE-LEW-13450-1	c 31	N83-35177 * #	NASA-CASE-MFS-13994-2	c 06	N72-25148 * #	NASA-CASE-MFS-20774	c 14	N73-19420 * #
NASA-CASE-LEW-13495-1	c 33	N84-33663 * #	NASA-CASE-MFS-14017	c 14	N71-26627 * #	NASA-CASE-MFS-20775-1	c 31	N75-12161 * #
NASA-CASE-LEW-13504-1	c 25	N83-13188 * #	NASA-CASE-MFS-14023	c 33	N71-25351 * #	NASA-CASE-MFS-20809	c 23	N73-13660 * #
NASA-CASE-LEW-13506-1	c 37	N85-33490 * #	NASA-CASE-MFS-14114-2	c 09	N71-24807 * #	NASA-CASE-MFS-20823-1	c 16	N73-30476 * #
NASA-CASE-LEW-13524-1	c 07	N84-33410 * #	NASA-CASE-MFS-14114	c 33	N71-27862 * #	NASA-CASE-MFS-20829	c 12	N72-21310 * #
NASA-CASE-LEW-13526-1	c 36	N84-22944 * #	NASA-CASE-MFS-14216	c 14	N73-13418 * #	NASA-CASE-MFS-20830	c 15	N72-20028 * #
NASA-CASE-LEW-13556-1	c 44	N81-27615 * #	NASA-CASE-MFS-14253	c 33	N71-24858 * #	NASA-CASE-MFS-20831	c 28	N71-29153 * #
NASA-CASE-LEW-13556-2	c 44	N83-29805 * #	NASA-CASE-MFS-14259	c 15	N71-19213 * #	NASA-CASE-MFS-20855-1	c 25	N77-10112 * #
NASA-CASE-LEW-13562-2	c 07	N85-35195 * #	NASA-CASE-MFS-14322	c 08	N71-18692 * #	NASA-CASE-MFS-20855	c 15	N73-27405 * #
NASA-CASE-LEW-13570-1	c 33	N84-16452 * #	NASA-CASE-MFS-14405	c 15	N72-28495 * #	NASA-CASE-MFS-20861-1	c 18	N73-32437 * #
NASA-CASE-LEW-13590-1	c 35	N84-22930 * #	NASA-CASE-MFS-14610	c 09	N71-28886 * #	NASA-CASE-MFS-20863	c 31	N73-26876 * #
NASA-CASE-LEW-13609-1	c 25	N83-17628 * #	NASA-CASE-MFS-14671	c 05	N71-12341 * #	NASA-CASE-MFS-20890	c 14	N72-22439 * #
NASA-CASE-LEW-13620-1	c 44	N83-13579 * #	NASA-CASE-MFS-14685	c 31	N71-15689 * #	NASA-CASE-MFS-20916	c 14	N75-25460 * #
NASA-CASE-LEW-13622-1	c 07	N84-22559 * #	NASA-CASE-MFS-14710	c 09	N72-22195 * #	NASA-CASE-MFS-20922-1	c 18	N74-22136 * #
NASA-CASE-LEW-13639-1	c 26	N84-33555 * #	NASA-CASE-MFS-14711	c 15	N71-26185 * #	NASA-CASE-MFS-20922	c 31	N72-20840 * #
NASA-CASE-LEW-13639-2	c 26	N84-27855 * #	NASA-CASE-MFS-14741	c 09	N70-20737 * #	NASA-CASE-MFS-20932-1	c 35	N75-19616 * #
NASA-CASE-LEW-13653-1	c 44	N84-28205 * #	NASA-CASE-MFS-14772	c 15	N71-17692 * #	NASA-CASE-MFS-20935	c 09	N71-34212 * #
NASA-CASE-LEW-13654-1	c 07	N84-22560 * #	NASA-CASE-MFS-14971	c 15	N71-24984 * #	NASA-CASE-MFS-20944	c 15	N73-13466 * #
NASA-CASE-LEW-13670-1	c 37	N84-22959 * #	NASA-CASE-MFS-15063	c 14	N72-25412 * #	NASA-CASE-MFS-20979-2	c 06	N73-32030 * #
NASA-CASE-LEW-13717-1	c 37	N85-30333 * #	NASA-CASE-MFS-15162	c 14	N72-32452 * #	NASA-CASE-MFS-20979	c 06	N72-25151 * #
NASA-CASE-LEW-13736-1	c 33	N84-27974 * #	NASA-CASE-MFS-15218-1	c 37	N77-19457 * #	NASA-CASE-MFS-20994-1	c 35	N75-12271 * #
NASA-CASE-LEW-13758-1	c 24	N84-27829 * #	NASA-CASE-MFS-15429-1	c 18	N84-22609 * #	NASA-CASE-MFS-21010-1	c 05	N73-30078 * #
NASA-CASE-LEW-13770-1	c 27	N84-27885 * #	NASA-CASE-MFS-15670-1	c 33	N82-33634 * #	NASA-CASE-MFS-21040-1	c 06	N73-30098 * #
NASA-CASE-LEW-13770-2	c 25	N85-28982 * #	NASA-CASE-MFS-16570-1	c 05	N73-32013 * #	NASA-CASE-MFS-21042	c 07	N72-25171 * #
NASA-CASE-LEW-13770-3	c 27	N85-21350 * #	NASA-CASE-MFS-16609-3	c 03	N76-32140 * #	NASA-CASE-MFS-21045-1	c 35	N75-15932 * #
NASA-CASE-LEW-13770-4	c 27	N85-21351 * #	NASA-CASE-MFS-18100	c 15	N72-11390 * #	NASA-CASE-MFS-21046-1	c 14	N73-27377 * #
NASA-CASE-LEW-13770-5	c 27	N85-21352 * #	NASA-CASE-MFS-18495	c 15	N72-11385 * #	NASA-CASE-MFS-21049-1	c 52	N74-27864 * #
NASA-CASE-LEW-13770-6	c 25	N85-30039 * #	NASA-CASE-MFS-19193-1	c 37	N75-19686 * #	NASA-CASE-MFS-21077-1	c 24	N75-28135 * #
NASA-CASE-LEW-13773-2	c 35	N84-32782 * #	NASA-CASE-MFS-19194-1	c 37	N76-14460 * #	NASA-CASE-MFS-21087-1	c 35	N74-17153 * #
NASA-CASE-LEW-13822-1	c 33	N84-29084 * #	NASA-CASE-MFS-19220-1	c 20	N76-22296 * #	NASA-CASE-MFS-21108-1	c 34	N74-27861 * #
NASA-CASE-LEW-13826-1	c 24	N82-26385 * #	NASA-CASE-MFS-19259-1	c 36	N78-14380 * #	NASA-CASE-MFS-21109-1	c 05	N73-27941 * #
NASA-CASE-LEW-13826-2	c 24	N84-24711 * #	NASA-CASE-MFS-19287-1	c 34	N77-30399 * #	NASA-CASE-MFS-21115-1	c 54	N74-12779 * #
NASA-CASE-LEW-13827-1	c 44	N85-21768 * #	NASA-CASE-MFS-20011	c 18	N72-22566 * #	NASA-CASE-MFS-21136-1	c 35	N74-18323 * #
NASA-CASE-LEW-13828-1	c 24	N85-30027 * #</						

NASA-CASE-MFS-21364-1	c 37	N74-18126 * #	NASA-CASE-MFS-23088-1	c 37	N77-23483 * #	NASA-CASE-MFS-25430-1	c 33	N84-16453 * #
NASA-CASE-MFS-21372-1	c 74	N74-27866 * #	NASA-CASE-MFS-23099-1	c 09	N76-23273 * #	NASA-CASE-MFS-25436-1	c 27	N83-36220 * #
NASA-CASE-MFS-21374-1	c 33	N74-12951 * #	NASA-CASE-MFS-23114-1	c 38	N78-32447 * #	NASA-CASE-MFS-25477-1	c 33	N84-14424 * #
NASA-CASE-MFS-21394-1	c 34	N74-27744 * #	NASA-CASE-MFS-23118-1	c 35	N77-31465 * #	NASA-CASE-MFS-25509-1	c 35	N83-24828 * #
NASA-CASE-MFS-21395-1	c 25	N74-26948 * #	NASA-CASE-MFS-23167-1	c 44	N76-31667 * #	NASA-CASE-MFS-25510-1	c 37	N84-16560 * #
NASA-CASE-MFS-21415-1	c 52	N74-20728 * #	NASA-CASE-MFS-23175-1	c 35	N77-30436 * #	NASA-CASE-MFS-25535-1	c 33	N81-12330 * #
NASA-CASE-MFS-21424-1	c 34	N74-27730 * #	NASA-CASE-MFS-23178-1	c 35	N77-10493 * #	NASA-CASE-MFS-25535-2	c 33	N84-22885 * #
NASA-CASE-MFS-21433	c 09	N73-20232 * #	NASA-CASE-MFS-23181-1	c 33	N77-17351 * #	NASA-CASE-MFS-25586-1	c 33	N82-11360 * #
NASA-CASE-MFS-21441-1	c 14	N73-30392 * #	NASA-CASE-MFS-23194-1	c 35	N78-17357 * #	NASA-CASE-MFS-25607-1	c 33	N83-34190 * #
NASA-CASE-MFS-21455-1	c 35	N74-15146 * #	NASA-CASE-MFS-23225-1	c 52	N77-14735 * #	NASA-CASE-MFS-25616-1	c 33	N84-16455 * #
NASA-CASE-MFS-21462-1	c 33	N74-14935 * #	NASA-CASE-MFS-23250-1	c 35	N82-11432 * #	NASA-CASE-MFS-25631-1	c 34	N84-12406 * #
NASA-CASE-MFS-21465-1	c 10	N73-32145 * #	NASA-CASE-MFS-23267-1	c 35	N77-20401 * #	NASA-CASE-MFS-25637-1	c 44	N85-21769 * #
NASA-CASE-MFS-21470-1	c 44	N74-19870 * #	NASA-CASE-MFS-23270-1	c 44	N78-25531 * #	NASA-CASE-MFS-25641-1	c 72	N84-28575 * #
NASA-CASE-MFS-21481-1	c 37	N74-18127 * #	NASA-CASE-MFS-23274-1	c 33	N78-13320 * #	NASA-CASE-MFS-25670A-1	c 33	N84-22884 * #
NASA-CASE-MFS-21485-1	c 37	N74-25968 * #	NASA-CASE-MFS-23280-1	c 33	N78-10376 * #	NASA-CASE-MFS-25678-1	c 37	N84-11497 * #
NASA-CASE-MFS-21488-1	c 14	N75-24794 * #	NASA-CASE-MFS-23281-1	c 35	N77-22450 * #	NASA-CASE-MFS-25687-1	c 35	N84-22928 * #
NASA-CASE-MFS-21540-1	c 32	N74-19790 * #	NASA-CASE-MFS-23284-1	c 37	N80-14397 * #	NASA-CASE-MFS-25707-1	c 35	N82-26631 * #
NASA-CASE-MFS-21556-1	c 35	N74-26945 * #	NASA-CASE-MFS-23299-1	c 39	N77-28511 * #	NASA-CASE-MFS-25717-1	c 35	N83-33768 * #
NASA-CASE-MFS-21577-1	c 19	N74-29410 * #	NASA-CASE-MFS-23303-1	c 32	N77-18307 * #	NASA-CASE-MFS-25721-1	c 25	N85-21280 * #
NASA-CASE-MFS-21606-1	c 37	N75-19685 * #	NASA-CASE-MFS-23311-1	c 54	N78-17676 * #	NASA-CASE-MFS-25740-1	c 52	N84-11774 * #
NASA-CASE-MFS-21611-1	c 54	N75-12616 * #	NASA-CASE-MFS-23312-1	c 33	N78-27326 * #	NASA-CASE-MFS-25750-1	c 33	N83-35229 * #
NASA-CASE-MFS-21616-1	c 33	N75-30429 * #	NASA-CASE-MFS-23315-1	c 76	N78-24950 * #	NASA-CASE-MFS-25752-1	c 74	N83-21950 * #
NASA-CASE-MFS-21628-1	c 44	N75-32581 * #	NASA-CASE-MFS-23345-1	c 27	N77-30237 * #	NASA-CASE-MFS-25786-1	c 76	N83-18533 * #
NASA-CASE-MFS-21628-2	c 44	N74-26375 * #	NASA-CASE-MFS-23349-1	c 44	N77-23481 * #	NASA-CASE-MFS-25807	c 37	N83-20154 * #
NASA-CASE-MFS-21629	c 14	N72-22442 * #	NASA-CASE-MFS-23362-1	c 47	N77-10753 * #	NASA-CASE-MFS-25825-1	c 35	N85-20298 * #
NASA-CASE-MFS-21660-1	c 35	N74-21017 * #	NASA-CASE-MFS-23363-1	c 35	N78-32396 * #	NASA-CASE-MFS-25828-2	c 71	N84-28568 * #
NASA-CASE-MFS-21671-1	c 33	N74-22885 * #	NASA-CASE-MFS-23405-1	c 26	N77-29260 * #	NASA-CASE-MFS-25833-1	c 35	N83-21316 * #
NASA-CASE-MFS-21672-1	c 74	N76-19935 * #	NASA-CASE-MFS-23447-1	c 37	N79-11404 * #	NASA-CASE-MFS-25837-1	c 18	N85-29991 * #
NASA-CASE-MFS-21675-1	c 25	N74-33378 * #	NASA-CASE-MFS-23460-1	c 12	N79-26075 * #	NASA-CASE-MFS-25842-2	c 37	N85-30341 * #
NASA-CASE-MFS-21680-1	c 18	N74-27397 * #	NASA-CASE-MFS-23461-1	c 35	N79-10389 * #	NASA-CASE-MFS-25843-1	c 20	N83-17588 * #
NASA-CASE-MFS-21681-1	c 18	N74-27397 * #	NASA-CASE-MFS-23506-1	c 24	N78-24290 * #	NASA-CASE-MFS-25852-1	c 33	N84-33661 * #
NASA-CASE-MFS-21698-1	c 33	N74-26732 * #	NASA-CASE-MFS-23513-1	c 74	N79-11865 * #	NASA-CASE-MFS-25853-1	c 16	N84-27784 * #
NASA-CASE-MFS-21704-1	c 35	N75-25124 * #	NASA-CASE-MFS-23515-1	c 44	N80-21828 * #	NASA-CASE-MFS-25854-1	c 33	N84-27975 * #
NASA-CASE-MFS-21728-1	c 35	N74-27865 * #	NASA-CASE-MFS-23518-1	c 44	N79-11469 * #	NASA-CASE-MFS-25861-1	c 33	N85-22877 * #
NASA-CASE-MFS-21761-1	c 35	N75-15931 * #	NASA-CASE-MFS-23518-3	c 44	N80-16452 * #	NASA-CASE-MFS-25862-1	c 27	N85-20126 * #
NASA-CASE-MFS-21846-1	c 37	N74-26976 * #	NASA-CASE-MFS-23540-1	c 44	N79-26475 * #	NASA-CASE-MFS-25862-2	c 37	N84-33807 * #
NASA-CASE-MFS-21919-1	c 10	N73-25243 * #	NASA-CASE-MFS-23541-1	c 76	N79-14906 * #	NASA-CASE-MFS-25868-1	c 33	N84-32680 * #
NASA-CASE-MFS-21931-1	c 37	N75-26372 * #	NASA-CASE-MFS-23551-1	c 04	N76-2175 * #	NASA-CASE-MFS-25878-1	c 18	N84-27787 * #
NASA-CASE-MFS-22002-1	c 44	N76-16612 * #	NASA-CASE-MFS-23564-1	c 15	N78-25119 * #	NASA-CASE-MFS-25906-1	c 54	N84-11761 * #
NASA-CASE-MFS-22022-1	c 37	N76-15460 * #	NASA-CASE-MFS-23569-1	c 18	N79-11108 * #	NASA-CASE-MFS-25907-1	c 37	N85-34401 * #
NASA-CASE-MFS-22039-1	c 09	N75-12968 * #	NASA-CASE-MFS-23620-1	c 37	N79-10421 * #	NASA-CASE-MFS-25910-1	c 27	N84-11297 * #
NASA-CASE-MFS-22040-1	c 35	N74-26946 * #	NASA-CASE-MFS-23626-1	c 24	N80-26388 * #	NASA-CASE-MFS-25942-1	c 89	N84-17084 * #
NASA-CASE-MFS-22060-1	c 35	N75-29380 * #	NASA-CASE-MFS-23642-1	c 20	N80-10278 * #	NASA-CASE-MFS-25946-1	c 20	N84-15183 * #
NASA-CASE-MFS-22073-1	c 33	N75-13139 * #	NASA-CASE-MFS-23642-2	c 20	N78-27176 * #	NASA-CASE-MFS-25949-1	c 37	N84-11501 * #
NASA-CASE-MFS-22088-1	c 33	N75-15874 * #	NASA-CASE-MFS-23646-1	c 37	N79-22474 * #	NASA-CASE-MFS-25956-1	c 37	N84-20860 * #
NASA-CASE-MFS-22102-1	c 54	N74-20725 * #	NASA-CASE-MFS-23659-1	c 33	N79-17133 * #	NASA-CASE-MFS-25962-1	c 09	N84-32398 * #
NASA-CASE-MFS-22129-1	c 33	N75-18477 * #	NASA-CASE-MFS-23674-1	c 24	N81-29163 * #	NASA-CASE-MFS-25963-1	c 35	N84-16531 * #
NASA-CASE-MFS-22133-1	c 33	N74-26977 * #	NASA-CASE-MFS-23675-1	c 89	N79-10969 * #	NASA-CASE-MFS-25964-1	c 37	N85-20378 * #
NASA-CASE-MFS-22145-1	c 75	N75-13625 * #	NASA-CASE-MFS-23696-1	c 54	N81-26718 * #	NASA-CASE-MFS-25966-1	c 15	N85-11122 * #
NASA-CASE-MFS-22145-2	c 75	N76-17951 * #	NASA-CASE-MFS-23717-1	c 52	N81-25660 * #	NASA-CASE-MFS-25978-1	c 44	N84-32913 * #
NASA-CASE-MFS-22189-1	c 35	N75-19615 * #	NASA-CASE-MFS-23720-1	c 43	N80-23711 * #	NASA-CASE-MFS-25981-1	c 35	N85-20299 * #
NASA-CASE-MFS-22208-1	c 33	N75-26244 * #	NASA-CASE-MFS-23720-2	c 43	N80-14423 * #	NASA-CASE-MFS-26000-1	c 74	N84-16986 * #
NASA-CASE-MFS-22234-1	c 32	N79-10264 * #	NASA-CASE-MFS-23720-3	c 43	N79-25443 * #	NASA-CASE-MFS-26011-1SB	c 52	N85-20639 * #
NASA-CASE-MFS-22283-1	c 37	N75-33395 * #	NASA-CASE-MFS-23721-1	c 31	N79-28370 * #	NASA-CASE-MFS-28001-1	c 37	N85-29289 * #
NASA-CASE-MFS-22287-1	c 75	N76-14931 * #	NASA-CASE-MFS-23725-1	c 43	N79-31706 * #	NASA-CASE-MFS-28008-1	c 35	N85-20300 * #
NASA-CASE-MFS-22323-1	c 37	N76-14463 * #	NASA-CASE-MFS-23726-1	c 43	N79-26439 * #	NASA-CASE-MFS-28030-1	c 35	N85-30286 * #
NASA-CASE-MFS-22324-1	c 27	N75-27160 * #	NASA-CASE-MFS-23727-1	c 44	N80-14473 * #	NASA-CASE-MFS-28057-1	c 09	N85-28951 * #
NASA-CASE-MFS-22342-1	c 33	N75-30428 * #	NASA-CASE-MFS-23775-1	c 44	N82-16474 * #	NASA-CASE-MFS-28059-1	c 37	N85-29288 * #
NASA-CASE-MFS-22343-1	c 33	N74-34638 * #	NASA-CASE-MFS-23776-1	c 33	N82-28545 * #	NASA-CASE-MFS-28060-1	c 76	N85-30932 * #
NASA-CASE-MFS-22355-1	c 23	N76-15268 * #	NASA-CASE-MFS-23777-1	c 37	N80-32716 * #			
NASA-CASE-MFS-22356-1	c 23	N75-30256 * #	NASA-CASE-MFS-23816-1	c 26	N80-23419 * #	NASA-CASE-MFS-25791-1	c 09	N84-27749 * #
NASA-CASE-MFS-22409-2	c 74	N78-15880 * #	NASA-CASE-MFS-23825-1	c 51	N81-32829 * #			
NASA-CASE-MFS-22411-1	c 37	N74-21058 * #	NASA-CASE-MFS-23828-1	c 33	N82-26569 * #	NASA-CASE-MSC-10954-1	c 54	N78-18761 * #
NASA-CASE-MFS-22458-1	c 44	N77-10635 * #	NASA-CASE-MFS-23830-1	c 44	N82-24639 * #	NASA-CASE-MSC-10959	c 15	N71-26243 * #
NASA-CASE-MFS-22517-1	c 35	N76-18402 * #	NASA-CASE-MFS-23845-1	c 33	N81-17348 * #	NASA-CASE-MSC-10960-1	c 03	N71-24718 * #
NASA-CASE-MFS-22537-1	c 35	N75-27328 * #	NASA-CASE-MFS-23846-1	c 37	N82-32731 * #	NASA-CASE-MSC-10966	c 14	N71-19568 * #
NASA-CASE-MFS-22560-1	c 33	N77-14335 * #	NASA-CASE-MFS-23862-1	c 48	N80-18667 * #	NASA-CASE-MSC-11010	c 15	N71-19485 * #
NASA-CASE-MFS-22562-1	c 44	N76-14595 * #	NASA-CASE-MFS-23883-1	c 51	N80-16715 * #	NASA-CASE-MSC-11072	c 54	N74-32546 * #
NASA-CASE-MFS-22597	c 36	N78-17366 * #	NASA-CASE-MFS-23923-1	c 35	N81-19426 * #	NASA-CASE-MSC-11235	c 33	N78-17294 * #
NASA-CASE-MFS-22631-1	c 66	N76-19888 * #	NASA-CASE-MFS-23981-1	c 07	N83-20944 * #	NASA-CASE-MSC-11242	c 35	N78-17358 * #
NASA-CASE-MFS-22636-1	c 37	N76-22540 * #	NASA-CASE-MFS-23988-1	c 33	N81-27395 * #	NASA-CASE-MSC-11253	c 05	N71-12343 * #
NASA-CASE-MFS-22649-1	c 37	N75-25186 * #	NASA-CASE-MFS-23999-1	c 44	N81-24520 * #	NASA-CASE-MSC-11277	c 09	N71-29008 * #
NASA-CASE-MFS-22671-1	c 35	N75-21582 * #	NASA-CASE-MFS-24368-3	c 33	N81-22280 * #	NASA-CASE-MSC-11561-1	c 05	N73-32014 * #
NASA-CASE-MFS-22671-2	c 35	N77-17426 * #	NASA-CASE-MFS-25000-1	c 25	N81-19242 * #	NASA-CASE-MSC-11817-1	c 15	N71-26611 * #
NASA-CASE-MFS-22707-1	c 37	N76-15457 * #	NASA-CASE-MFS-25050-1	c 71	N81-15767 * #	NASA-CASE-MSC-11847-1	c 14	N72-11363 * #
NASA-CASE-MFS-22729-1	c 32	N76-21366 * #	NASA-CASE-MFS-25134-1	c 31	N83-31895 * #	NASA-CASE-MSC-11849-1	c 15	N72-22488 * #
NASA-CASE-MFS-22734-1	c 18	N75-19329 * #	NASA-CASE-MFS-25139-1	c 34	N82-13376 * #	NASA-CASE-MSC-12033-1	c 09	N71-13531 * #
NASA-CASE-MFS-22743-1	c 44	N76-22657 * #	NASA-CASE-MFS-25181-1	c 27	N82-24340 * #	NASA-CASE-MSC-12049	c 31	N71-16080 * #
NASA-CASE-MFS-22744-1	c 44	N76-24696 * #	NASA-CASE-MFS-25208-1	c 33	N83-10345 * #	NASA-CASE-MSC-12052-1	c 15	N71-24599 * #
NASA-CASE-MFS-22749-1	c 44	N76-14601 * #	NASA-CASE-MFS-25209-1	c 33	N83-35227 * #	NASA-CASE-MSC-12084-1	c 12	N71-17569 * #
NASA-CASE-MFS-22758-1	c 70	N75-26789 * #	NASA-CASE-MFS-25211-2	c 33	N84-14423 * #	NASA-CASE-MSC-12086-1	c 05	N71-12345 * #
NASA-CASE-MFS-22787-1	c 15	N77-10113 * #	NASA-CASE-MFS-25215-1	c 33	N83-31953 * #	NASA-CASE-MSC-12101	c 09	N71-18720 * #
NASA-CASE-MFS-22905-1	c 19	N76-22284 * #	NASA-CASE-MFS-25242-1	c 35	N83-29650 * #	NASA-CASE-MSC-12105-1	c 14	N72-21409 * #
NASA-CASE-MFS-22906-1	c 75	N78-27913 * #	NASA-CASE-MFS-25282-1	c 34	N83-19015 * #	NASA-CASE-MSC-12109	c 18	N71-26285 * #
NASA-CASE-MFS-22907-1	c 26	N76-18257 * #	NASA-CASE-MFS-25287-1	c 44	N82-18686 * #	NASA-CASE-MSC-12111-1	c 02	N71-11039 * #
NASA-CASE-MFS-22926-1	c 24	N77-27187 * #	NASA-CASE-MFS-25302-1	c 33	N83-28319 * #	NASA-CASE-MSC-12116-1	c 15	N71-17648 * #
NASA-CASE-MFS-22938-1	c 34	N76-18374 * #	NASA-CASE-MFS-25302-2	c 33	N84-33680 * #	NASA-CASE-MSC-12121-1	c 15	N71-27147 * #
NASA-CASE-MFS-22991-1	c 34	N77-10463 * #	NASA-CASE-MFS-25306-1	c 25	N83-13187 * #	NASA-CASE-MSC-12135-1	c 09	N71-12526 * #
NASA-CASE-MFS-23001-1	c 76	N77-32919 * #	NASA-CASE-MFS-25312-1	c 74	N83-17305 * #	NASA-CASE-MSC-12139-1	c 28	N71-14058 * #
NASA-CASE-MFS-23008-1	c 35	N78-18390 * #	NASA-CASE-MFS-25315-1	c 36	N83-29680 * #	NASA-CASE-MSC-12143-1	c 33	N72-17947 * #
NASA-CASE-MFS-23047-1	c 37	N76-18454 * #	NASA-CASE-MFS-25319-1	c 60	N85-33701 * #	NASA-CASE-MSC-12146-1	c 07	N72-17109 * #
NASA-CASE-MFS-23051-1	c 37	N79-10422 * #	NASA-CASE-MFS-25323-1	c 33	N84-22886 * #	NASA-CASE-MSC-12165-1	c 07	N71-33696 * #
NASA-CASE-MFS-23052-2	c 74	N79-13855 * #	NASA-CASE-MFS-25363-1	c 37	N82-12441 * #	NASA-CASE-MSC-12168-1	c 09	N71-18600 * #
NASA-CASE-MFS-23059-1	c 44	N76-27664 * #	NASA-CASE-MFS-25403-1	c 18	N83-29303 * #	NASA-CASE-MSC-12178-1	c 09	N71-13518 * #
NASA-CASE-MFS-23062-1	c 37	N77-12402 * #	NASA-CASE-MFS-25405-1	c 35	N84-22929 * #	NASA-CASE-MSC-12205-1	c 07	N71-27056 * #
NASA-CASE-MFS-23074-1	c 54	N77-21844 * #	NASA-CASE-MFS-25426-1	c 25	N83-10126 * #	NASA-CASE-MSC-12206-1	c 05	N71-17599 * #

NASA-CASE-MSC-12209	c 09	N71-24842 *	NASA-CASE-MSC-14081-1	c 35	N74-27860 *	NASA-CASE-MSC-18498-1	c 60	N82-29013 *
NASA-CASE-MSC-12223-1	c 07	N71-26181 *	NASA-CASE-MSC-14082-1	c 60	N76-23850 *	NASA-CASE-MSC-18526-1	c 37	N82-24494 *
NASA-CASE-MSC-12233-1	c 15	N72-25454 *	NASA-CASE-MSC-14096-1	c 74	N74-15095 *	NASA-CASE-MSC-18532-1	c 32	N82-27558 *
NASA-CASE-MSC-12233-2	c 32	N73-13921 *	NASA-CASE-MSC-14129-1	c 33	N75-18479 *	NASA-CASE-MSC-18538-1	c 37	N82-26672 *
NASA-CASE-MSC-12239-1	c 52	N79-21750 *	NASA-CASE-MSC-14130-1	c 33	N74-32711 *	NASA-CASE-MSC-18578-1	c 32	N85-21427 *
NASA-CASE-MSC-12243-1	c 05	N71-24728 *	NASA-CASE-MSC-14131-1	c 33	N75-19515 *	NASA-CASE-MSC-18606-1	c 32	N82-11336 *
NASA-CASE-MSC-12259-1	c 07	N70-12616 *	NASA-CASE-MSC-14143-1	c 77	N75-20139 *	NASA-CASE-MSC-18627-1	c 74	N82-30071 *
NASA-CASE-MSC-12259-2	c 07	N72-33146 *	NASA-CASE-MSC-14180-1	c 52	N76-14757 *	NASA-CASE-MSC-18674-1	c 74	N81-24907 *
NASA-CASE-MSC-12279-1	c 15	N70-35679 *	NASA-CASE-MSC-14182-1	c 27	N76-14264 *	NASA-CASE-MSC-18675-1	c 32	N84-22820 *
NASA-CASE-MSC-12279	c 15	N72-17450 *	NASA-CASE-MSC-14187-1	c 35	N74-32879 *	NASA-CASE-MSC-18723-1	c 35	N83-21312 *
NASA-CASE-MSC-12280	c 27	N71-16348 *	NASA-CASE-MSC-14219-1	c 32	N74-27612 *	NASA-CASE-MSC-18736-1	c 24	N83-13172 *
NASA-CASE-MSC-12293-1	c 14	N72-27411 *	NASA-CASE-MSC-14240-1	c 33	N75-14957 *	NASA-CASE-MSC-18737-1	c 24	N83-13171 *
NASA-CASE-MSC-12297	c 14	N72-23457 *	NASA-CASE-MSC-14245-1	c 18	N75-27041 *	NASA-CASE-MSC-18741-1	c 27	N82-29456 *
NASA-CASE-MSC-12324-1	c 05	N72-22093 *	NASA-CASE-MSC-14270-1	c 27	N76-22377 *	NASA-CASE-MSC-18742-1	c 37	N82-26673 *
NASA-CASE-MSC-12327-1	c 35	N77-27368 *	NASA-CASE-MSC-14270-2	c 27	N76-23426 *	NASA-CASE-MSC-18759-1	c 52	N83-27578 *
NASA-CASE-MSC-12357	c 15	N73-12489 *	NASA-CASE-MSC-14273-1	c 34	N75-33342 *	NASA-CASE-MSC-18761-1	c 52	N83-27577 *
NASA-CASE-MSC-12363-1	c 14	N73-26431 *	NASA-CASE-MSC-14276-1	c 52	N77-14737 *	NASA-CASE-MSC-18791-1	c 37	N83-36482 *
NASA-CASE-MSC-12372-1	c 31	N72-25842 *	NASA-CASE-MSC-14331-1	c 27	N76-24405 *	NASA-CASE-MSC-18794-1	c 44	N83-14693 *
NASA-CASE-MSC-12389	c 33	N71-29052 *	NASA-CASE-MSC-14331-2	c 27	N78-17213 *	NASA-CASE-MSC-18796-1	c 24	N82-26389 *
NASA-CASE-MSC-12390	c 27	N71-29155 *	NASA-CASE-MSC-14331-3	c 27	N78-17262 *	NASA-CASE-MSC-18807-1	c 37	N83-36483 *
NASA-CASE-MSC-12391	c 30	N73-12884 *	NASA-CASE-MSC-14339-1	c 05	N75-24716 *	NASA-CASE-MSC-18832-1	c 27	N83-18908 *
NASA-CASE-MSC-12393-1	c 02	N73-26006 *	NASA-CASE-MSC-14428-1	c 23	N77-17161 *	NASA-CASE-MSC-18851-1	c 27	N82-26460 *
NASA-CASE-MSC-12394-1	c 08	N74-10942 *	NASA-CASE-MSC-14435-1	c 37	N76-18455 *	NASA-CASE-MSC-18852-1	c 37	N85-29283 *
NASA-CASE-MSC-12395	c 09	N72-25257 *	NASA-CASE-MSC-14472-1	c 43	N77-10584 *	NASA-CASE-MSC-18866-1	c 35	N85-29213 *
NASA-CASE-MSC-12396-1	c 03	N73-31988 *	NASA-CASE-MSC-14557-1	c 32	N76-16249 *	NASA-CASE-MSC-18929-1	c 39	N83-20280 *
NASA-CASE-MSC-12397-1	c 05	N72-25119 *	NASA-CASE-MSC-14558-1	c 32	N75-21486 *	NASA-CASE-MSC-18934-3	c 24	N82-26387 *
NASA-CASE-MSC-12398	c 05	N72-20098 *	NASA-CASE-MSC-14623-1	c 52	N77-28717 *	NASA-CASE-MSC-18936-1	c 35	N83-29652 *
NASA-CASE-MSC-12404-1	c 23	N73-13661 *	NASA-CASE-MSC-14632-1	c 54	N78-14784 *	NASA-CASE-MSC-18969-1	c 18	N84-22605 *
NASA-CASE-MSC-12408-1	c 46	N74-13011 *	NASA-CASE-MSC-14640-1	c 54	N76-14804 *	NASA-CASE-MSC-19095-1	c 37	N75-19683 *
NASA-CASE-MSC-12411-1	c 05	N72-20096 *	NASA-CASE-MSC-14649-1	c 33	N76-16331 *	NASA-CASE-MSC-19372-1	c 39	N76-31562 *
NASA-CASE-MSC-12423-1	c 91	N76-30131 *	NASA-CASE-MSC-14653-1	c 35	N77-19385 *	NASA-CASE-MSC-19442-1	c 74	N77-10899 *
NASA-CASE-MSC-12428-1	c 10	N73-25240 *	NASA-CASE-MSC-14683-1	c 74	N77-18893 *	NASA-CASE-MSC-19514-1	c 37	N79-20377 *
NASA-CASE-MSC-12433	c 31	N73-14854 *	NASA-CASE-MSC-14733-1	c 54	N76-24900 *	NASA-CASE-MSC-19535-1	c 37	N77-32499 *
NASA-CASE-MSC-12458-1	c 08	N73-32081 *	NASA-CASE-MSC-14735-1	c 54	N76-24900 *	NASA-CASE-MSC-19536-1	c 37	N77-22482 *
NASA-CASE-MSC-12462-1	c 32	N74-20809 *	NASA-CASE-MSC-14757-1	c 35	N78-10428 *	NASA-CASE-MSC-19568-1	c 34	N78-25350 *
NASA-CASE-MSC-12494-1	c 32	N74-20810 *	NASA-CASE-MSC-14771-1	c 54	N77-32722 *	NASA-CASE-MSC-19666-1	c 37	N78-17383 *
NASA-CASE-MSC-12506-1	c 32	N77-12239 *	NASA-CASE-MSC-14773-1	c 35	N78-12390 *	NASA-CASE-MSC-19672-1	c 38	N79-14398 *
NASA-CASE-MSC-12531-1	c 35	N75-30504 *	NASA-CASE-MSC-14805-1	c 54	N78-32720 *	NASA-CASE-MSC-19693-1	c 26	N78-24333 *
NASA-CASE-MSC-12549-1	c 37	N74-27903 *	NASA-CASE-MSC-14831-1	c 25	N78-10225 *	NASA-CASE-MSC-19706-1	c 09	N78-31129 *
NASA-CASE-MSC-12559-1	c 18	N76-14186 *	NASA-CASE-MSC-14836-1	c 52	N82-11770 *	NASA-CASE-MSC-20036-1	c 76	N85-33826 *
NASA-CASE-MSC-12561-1	c 18	N76-17185 *	NASA-CASE-MSC-14840-1	c 32	N77-24331 *	NASA-CASE-MSC-20080-1	c 37	N85-30334 *
NASA-CASE-MSC-12568-1	c 24	N76-14204 *	NASA-CASE-MSC-14903-1	c 27	N80-32256 *	NASA-CASE-MSC-20112-1	c 37	N85-20338 *
NASA-CASE-MSC-12593-1	c 17	N76-21250 *	NASA-CASE-MSC-14903-2	c 27	N80-10358 *	NASA-CASE-MSC-20127-2	c 37	N85-34403 *
NASA-CASE-MSC-12607-1	c 32	N75-21485 *	NASA-CASE-MSC-14903-3	c 27	N80-24438 *	NASA-CASE-MSC-20148-1	c 37	N85-29284 *
NASA-CASE-MSC-12609-1	c 05	N73-32012 *	NASA-CASE-MSC-14905-1	c 37	N77-28487 *	NASA-CASE-MSC-20181-1	c 33	N82-28549 *
NASA-CASE-MSC-12611-1	c 12	N76-15189 *	NASA-CASE-MSC-14916-1	c 33	N78-10375 *	NASA-CASE-MSC-20187-1	c 33	N85-20249 *
NASA-CASE-MSC-12615-1	c 37	N76-19437 *	NASA-CASE-MSC-14939-1	c 32	N79-11264 *	NASA-CASE-MSC-20202-1	c 54	N84-16803 *
NASA-CASE-MSC-12617-1	c 35	N76-29552 *	NASA-CASE-MSC-15158-1	c 14	N72-17265 *	NASA-CASE-MSC-20206-1	c 25	N83-29325 *
NASA-CASE-MSC-12618-1	c 74	N78-17865 *	NASA-CASE-MSC-15474-1	c 15	N71-26162 *	NASA-CASE-MSC-20250-1	c 37	N83-29707 *
NASA-CASE-MSC-12619-2	c 27	N79-12221 *	NASA-CASE-MSC-15567-1	c 33	N73-16918 *	NASA-CASE-MSC-20254-1	c 16	N84-22601 *
NASA-CASE-MSC-12631-1	c 24	N77-28225 *	NASA-CASE-MSC-15626-1	c 14	N72-25411 *	NASA-CASE-MSC-20258-1	c 60	N84-28492 *
NASA-CASE-MSC-12631-3	c 27	N81-14077 *	NASA-CASE-MSC-16000-1	c 37	N78-24544 *	NASA-CASE-MSC-20261-1	c 54	N84-28484 *
NASA-CASE-MSC-12640-1	c 74	N76-31998 *	NASA-CASE-MSC-16043-1	c 37	N79-11402 *	NASA-CASE-MSC-20261-2	c 54	N84-23113 *
NASA-CASE-MSC-12662-1	c 33	N79-12331 *	NASA-CASE-MSC-16074-1	c 27	N80-26446 *	NASA-CASE-MSC-20275-1	c 35	N85-21595 *
NASA-CASE-MSC-12709-1	c 33	N77-24375 *	NASA-CASE-MSC-16098-1	c 51	N79-10693 *	NASA-CASE-MSC-20304-1	c 37	N82-31690 *
NASA-CASE-MSC-12731-1	c 37	N78-25426 *	NASA-CASE-MSC-16170-2	c 32	N84-27952 *	NASA-CASE-MSC-20319-1	c 37	N85-21649 *
NASA-CASE-MSC-12737-1	c 24	N79-25142 *	NASA-CASE-MSC-16182-1	c 54	N80-10799 *	NASA-CASE-MSC-20418-1	c 37	N83-17882 *
NASA-CASE-MSC-12743-1	c 32	N79-10263 *	NASA-CASE-MSC-16217-1	c 31	N81-27323 *	NASA-CASE-MSC-20475-1	c 37	N85-29290 *
NASA-CASE-MSC-12745-1	c 33	N81-27397 *	NASA-CASE-MSC-16239-1	c 37	N81-32510 *	NASA-CASE-MSC-20497-1	c 34	N85-29180 *
NASA-CASE-MSC-13047-1	c 31	N71-25434 *	NASA-CASE-MSC-16253-1	c 32	N79-20297 *	NASA-CASE-MSC-20543-1	c 18	N84-22610 *
NASA-CASE-MSC-13054	c 54	N78-17677 *	NASA-CASE-MSC-16258-1	c 45	N79-12584 *	NASA-CASE-MSC-20622-1	c 14	N84-22596 *
NASA-CASE-MSC-13110-1	c 08	N72-22163 *	NASA-CASE-MSC-16260-1	c 51	N80-16714 *	NASA-CASE-MSC-20635-1	c 18	N84-32424 *
NASA-CASE-MSC-13112	c 03	N71-11057 *	NASA-CASE-MSC-16270-1	c 37	N78-27423 *	NASA-CASE-MSC-20653-1	c 35	N85-20301 *
NASA-CASE-MSC-13140	c 05	N72-11085 *	NASA-CASE-MSC-16370-1	c 35	N81-19427 *	NASA-CASE-MSC-20812-1	c 34	N84-32748 *
NASA-CASE-MSC-13201-1	c 07	N71-28429 *	NASA-CASE-MSC-16394-1	c 28	N81-24280 *	NASA-CASE-MSC-25707-1	c 35	N85-29214 *
NASA-CASE-MSC-13276-1	c 14	N71-27058 *	NASA-CASE-MSC-16433-1	c 52	N78-27750 *	NASA-CASE-MSC-90153-2	c 05	N72-25120 *
NASA-CASE-MSC-13281	c 31	N72-18859 *	NASA-CASE-MSC-16433-1	c 52	N81-24711 *			
NASA-CASE-MSC-13282-1	c 05	N71-24729 *	NASA-CASE-MSC-16461-1	c 33	N79-11313 *	NASA-CASE-NFS-25754-1	c 35	N84-28018 *
NASA-CASE-MSC-13332-1	c 14	N72-21408 *	NASA-CASE-MSC-16462-1	c 32	N82-31583 *			
NASA-CASE-MSC-13335-1	c 06	N72-31140 *	NASA-CASE-MSC-16497-1	c 25	N82-12666 *	NASA-CASE-NPO-08835-1	c 27	N78-33228 *
NASA-CASE-MSC-13397-1	c 21	N72-25595 *	NASA-CASE-MSC-16697-1	c 33	N79-28415 *	NASA-CASE-NPO-10003	c 10	N71-26415 *
NASA-CASE-MSC-13407-1	c 10	N72-20225 *	NASA-CASE-MSC-16747-1	c 33	N81-17349 *	NASA-CASE-NPO-10034	c 15	N71-17685 *
NASA-CASE-MSC-13436-1	c 05	N73-32015 *	NASA-CASE-MSC-16777-1	c 51	N80-27067 *	NASA-CASE-NPO-10037	c 09	N71-19610 *
NASA-CASE-MSC-13492-1	c 10	N71-28860 *	NASA-CASE-MSC-16800-1	c 32	N81-14187 *	NASA-CASE-NPO-10046	c 28	N72-17843 *
NASA-CASE-MSC-13512-1	c 15	N72-22485 *	NASA-CASE-MSC-16841-1	c 34	N79-24285 *	NASA-CASE-NPO-10051	c 18	N71-24934 *
NASA-CASE-MSC-13530-2	c 23	N75-14834 *	NASA-CASE-MSC-16934-1	c 24	N84-16262 *	NASA-CASE-NPO-10064	c 15	N71-17693 *
NASA-CASE-MSC-13540-1	c 05	N72-33096 *	NASA-CASE-MSC-16938-1	c 37	N80-23653 *	NASA-CASE-NPO-10066	c 09	N71-18598 *
NASA-CASE-MSC-13578-1	c 15	N73-30459 *	NASA-CASE-MSC-16973-1	c 37	N81-14317 *	NASA-CASE-NPO-10068	c 08	N71-19288 *
NASA-CASE-MSC-13601-2	c 54	N75-27759 *	NASA-CASE-MSC-17832-1	c 33	N74-14956 *	NASA-CASE-NPO-10070	c 15	N71-27372 *
NASA-CASE-MSC-13604-1	c 05	N73-13114 *	NASA-CASE-MSC-18035-1	c 32	N81-15179 *	NASA-CASE-NPO-10096	c 07	N71-24583 *
NASA-CASE-MSC-13609-1	c 05	N72-25122 *	NASA-CASE-MSC-18106-1	c 33	N82-11357 *	NASA-CASE-NPO-10109	c 03	N71-11049 *
NASA-CASE-MSC-13648	c 05	N72-27103 *	NASA-CASE-MSC-18107-1	c 27	N81-25209 *	NASA-CASE-NPO-10112	c 08	N71-12502 *
NASA-CASE-MSC-13746-1	c 10	N73-32143 *	NASA-CASE-MSC-18134-1	c 37	N81-15363 *	NASA-CASE-NPO-10117	c 15	N71-15608 *
NASA-CASE-MSC-13789-1	c 11	N73-32152 *	NASA-CASE-MSC-18172-1	c 26	N80-19237 *	NASA-CASE-NPO-10118	c 07	N71-24741 *
NASA-CASE-MSC-13802-2	c 35	N76-15431 *	NASA-CASE-MSC-18179-1	c 20	N80-18097 *	NASA-CASE-NPO-10122	c 12	N71-17631 *
NASA-CASE-MSC-13855-1	c 35	N74-17885 *	NASA-CASE-MSC-18223-1	c 24	N82-29362 *	NASA-CASE-NPO-10123	c 15	N71-24835 *
NASA-CASE-MSC-13907-1	c 10	N73-26230 *	NASA-CASE-MSC-18223-2	c 54	N84-11758 *	NASA-CASE-NPO-10138	c 33	N71-16357 *
NASA-CASE-MSC-13912-1	c 32	N74-30524 *	NASA-CASE-MSC-18255-1	c 74	N80-33210 *	NASA-CASE-NPO-10140	c 07	N71-24742 *
NASA-CASE-MSC-13917-1	c 05	N72-15098 *	NASA-CASE-MSC-18334-1	c 32	N80-32604 *	NASA-CASE-NPO-10141	c 11	N71-24964 *
NASA-CASE-MSC-13932-1	c 62	N74-14920 *	NASA-CASE-MSC-18381-1	c 52	N81-28740 *	NASA-CASE-NPO-10143	c 10	N71-26326 *
NASA-CASE-MSC-13972-1	c 52	N74-10975 *	NASA-CASE-MSC-18382-1	c 27	N82-16238 *	NASA-CASE-NPO-10144	c 14	N71-17701 *
NASA-CASE-MSC-13999-1	c 52	N74-26626 *	NASA-CASE-MSC-18382-2	c 27	N84-14324 *	NASA-CASE-NPO-10150	c 08	N71-24650 *
NASA-CASE-MSC-14053-1	c 60	N74-12888 *	NASA-CASE-MSC-18407-1	c 33	N82-24427 *	NASA-CASE-NPO-10151	c 37	N78-17386 *
NASA-CASE-MSC-14065-1	c 32	N74-26654 *	NASA-CASE-MSC-18417-1	c 74	N85-29750 *	NASA-CASE-NPO-10158	c 33	N71-16356 *
NASA-CASE-MSC-14066-1	c 33	N74-27705 *	NASA-CASE-MSC-18422-1	c 37	N82-16408 *	NASA-CASE-NPO-10166-1	c 07	N73-22076 *
NASA-CASE-MSC-14070-1	c 32	N74-32598 *	NASA-CASE-MSC-18430-1	c 37	N82-24491 *	NASA-CASE-NPO-10166-2	c 35	N76-16391 *

NASA-CASE-NPO-10169	c 10	N71-24844 *	NASA-CASE-NPO-10760	c 09	N72-25254 * #	NASA-CASE-NPO-11333	c 08	N72-22162 * #
NASA-CASE-NPO-10173	c 15	N71-24696 *	NASA-CASE-NPO-10764-1	c 14	N73-14428 * #	NASA-CASE-NPO-11336-1	c 76	N79-16678 * #
NASA-CASE-NPO-10174	c 14	N71-18465 *	NASA-CASE-NPO-10764-2	c 35	N75-25122 * #	NASA-CASE-NPO-11337-1	c 74	N81-19896 * #
NASA-CASE-NPO-10175	c 14	N71-18625 *	NASA-CASE-NPO-10765	c 06	N72-20121 * #	NASA-CASE-NPO-11338	c 08	N72-25208 * #
NASA-CASE-NPO-10185	c 10	N71-26339 *	NASA-CASE-NPO-10767-1	c 06	N73-33076 * #	NASA-CASE-NPO-11340	c 15	N72-33477 * #
NASA-CASE-NPO-10188	c 03	N71-20273 *	NASA-CASE-NPO-10767-2	c 06	N72-27151 * #	NASA-CASE-NPO-11342	c 09	N72-25248 * #
NASA-CASE-NPO-10189-1	c 33	N77-21314 * #	NASA-CASE-NPO-10768	c 06	N72-27144 * #	NASA-CASE-NPO-11358	c 07	N72-25172 * #
NASA-CASE-NPO-10194	c 03	N71-20407 *	NASA-CASE-NPO-10769	c 06	N71-27254 * #	NASA-CASE-NPO-11361	c 07	N72-32169 * #
NASA-CASE-NPO-10198	c 09	N71-24806 *	NASA-CASE-NPO-10778	c 08	N72-11171 * #	NASA-CASE-NPO-11366	c 11	N73-26238 * #
NASA-CASE-NPO-10199	c 09	N72-17156 * #	NASA-CASE-NPO-10778-1	c 06	N72-17095 * #	NASA-CASE-NPO-11369	c 15	N73-13467 * #
NASA-CASE-NPO-10201	c 08	N71-18694 *	NASA-CASE-NPO-10790-1	c 14	N72-11364 * #	NASA-CASE-NPO-11371	c 08	N73-12177 * #
NASA-CASE-NPO-10214	c 10	N71-26577 *	NASA-CASE-NPO-10796	c 33	N72-21314 * #	NASA-CASE-NPO-11373	c 13	N72-25323 * #
NASA-CASE-NPO-10230	c 09	N71-12520 * #	NASA-CASE-NPO-10808	c 33	N77-21316 * #	NASA-CASE-NPO-11377	c 15	N73-27406 * #
NASA-CASE-NPO-10231	c 07	N71-26101 *	NASA-CASE-NPO-10810	c 15	N71-27068 * #	NASA-CASE-NPO-11387	c 14	N73-14429 * #
NASA-CASE-NPO-10233-1	c 74	N78-33913 * #	NASA-CASE-NPO-10812	c 15	N71-27432 * #	NASA-CASE-NPO-11388	c 03	N72-23048 * #
NASA-CASE-NPO-10234	c 06	N72-17094 * #	NASA-CASE-NPO-10817-1	c 14	N71-27323 * #	NASA-CASE-NPO-11403-1	c 33	N77-22386 * #
NASA-CASE-NPO-10242	c 09	N71-24803 *	NASA-CASE-NPO-10817-2	c 15	N73-13464 * #	NASA-CASE-NPO-11417	c 08	N73-12175 * #
NASA-CASE-NPO-10244	c 15	N72-26371 * #	NASA-CASE-NPO-10821	c 08	N73-30135 * #	NASA-CASE-NPO-11418	c 15	N73-24513 * #
NASA-CASE-NPO-10250	c 23	N71-16212 *	NASA-CASE-NPO-10828	c 03	N71-19545 * #	NASA-CASE-NPO-11426	c 14	N73-13420 * #
NASA-CASE-NPO-10251	c 10	N71-27365 *	NASA-CASE-NPO-10830-1	c 33	N72-17948 * #	NASA-CASE-NPO-11429-1	c 07	N73-26119 * #
NASA-CASE-NPO-10271	c 17	N71-16393 *	NASA-CASE-NPO-10831	c 27	N81-15104 * #	NASA-CASE-NPO-11432-2	c 74	N77-21941 * #
NASA-CASE-NPO-10298	c 12	N71-17661 *	NASA-CASE-NPO-10832	c 33	N72-20915 * #	NASA-CASE-NPO-11437	c 35	N74-15090 * #
NASA-CASE-NPO-10300	c 14	N71-17662 *	NASA-CASE-NPO-10844	c 14	N72-21405 * #	NASA-CASE-NPO-11456	c 16	N72-28521 * #
NASA-CASE-NPO-10301	c 07	N72-11148 *	NASA-CASE-NPO-10851	c 07	N72-20140 * #	NASA-CASE-NPO-11458A	c 08	N73-26176 * #
NASA-CASE-NPO-10302	c 10	N71-26142 *	NASA-CASE-NPO-10852-1	c 07	N71-24613 * #	NASA-CASE-NPO-11458B	c 20	N78-32179 * #
NASA-CASE-NPO-10303	c 07	N72-22127 * #	NASA-CASE-NPO-10863-2	c 33	N80-14330 * #	NASA-CASE-NPO-11479	c 28	N72-23810 * #
NASA-CASE-NPO-10309	c 15	N69-23190 * #	NASA-CASE-NPO-10863	c 06	N72-22107 * #	NASA-CASE-NPO-11481	c 15	N73-13462 * #
NASA-CASE-NPO-10311	c 31	N71-15643 *	NASA-CASE-NPO-10883	c 06	N72-25152 * #	NASA-CASE-NPO-11493	c 21	N73-13644 * #
NASA-CASE-NPO-10316-1	c 37	N77-22479 * #	NASA-CASE-NPO-10886-1	c 06	N70-11251 * #	NASA-CASE-NPO-11497	c 14	N73-12447 * #
NASA-CASE-NPO-10320	c 14	N71-17655 *	NASA-CASE-NPO-10870-1	c 28	N79-14228 * #	NASA-CASE-NPO-11497	c 08	N73-25206 * #
NASA-CASE-NPO-10331	c 09	N71-26701 *	NASA-CASE-NPO-10872-1	c 33	N77-22386 * #	NASA-CASE-NPO-11515-1	c 33	N77-21315 * #
NASA-CASE-NPO-10337	c 14	N71-15604 * #	NASA-CASE-NPO-10883	c 35	N79-16246 * #	NASA-CASE-NPO-11548	c 33	N77-13315 * #
NASA-CASE-NPO-10342	c 10	N71-33407 *	NASA-CASE-NPO-10890	c 31	N72-22874 * #	NASA-CASE-NPO-11556	c 07	N73-26118 * #
NASA-CASE-NPO-10343	c 07	N71-27341 *	NASA-CASE-NPO-10893	c 11	N73-12265 * #	NASA-CASE-NPO-11559	c 12	N72-25292 * #
NASA-CASE-NPO-10344	c 10	N71-26544 *	NASA-CASE-NPO-10985	c 27	N73-22710 * #	NASA-CASE-NPO-11569	c 28	N73-24784 * #
NASA-CASE-NPO-10348	c 10	N71-12554 * #	NASA-CASE-NPO-10998-1	c 14	N73-20478 * #	NASA-CASE-NPO-11572	c 10	N73-26229 * #
NASA-CASE-NPO-10351	c 08	N71-12503 * #	NASA-CASE-NPO-10999-1	c 06	N73-32029 * #	NASA-CASE-NPO-11575-1	c 07	N73-16121 * #
NASA-CASE-NPO-10373	c 03	N71-18698 *	NASA-CASE-NPO-11001	c 06	N73-32029 * #	NASA-CASE-NPO-11593-1	c 74	N81-19896 * #
NASA-CASE-NPO-10388	c 07	N71-24622 *	NASA-CASE-NPO-11002	c 07	N72-21118 * #	NASA-CASE-NPO-11609-2	c 07	N73-28012 * #
NASA-CASE-NPO-10401	c 03	N72-20033 * #	NASA-CASE-NPO-11012	c 14	N72-22441 * #	NASA-CASE-NPO-11623-1	c 27	N77-31308 * #
NASA-CASE-NPO-10404	c 03	N71-12255 * #	NASA-CASE-NPO-11013	c 15	N72-11391 * #	NASA-CASE-NPO-11628-1	c 71	N74-31148 * #
NASA-CASE-NPO-10412	c 09	N71-28421 *	NASA-CASE-NPO-11016	c 11	N72-22247 * #	NASA-CASE-NPO-11630	c 07	N73-30113 * #
NASA-CASE-NPO-10416	c 12	N71-27332 *	NASA-CASE-NPO-11018	c 08	N72-31226 * #	NASA-CASE-NPO-11631	c 08	N72-33172 * #
NASA-CASE-NPO-10417	c 16	N71-33410 *	NASA-CASE-NPO-11021	c 08	N72-21200 * #	NASA-CASE-NPO-11659-1	c 10	N73-12244 * #
NASA-CASE-NPO-10424-1	c 27	N81-24258 * #	NASA-CASE-NPO-11023	c 03	N72-20032 * #	NASA-CASE-NPO-11661	c 35	N74-11283 * #
NASA-CASE-NPO-10431	c 15	N71-29132 *	NASA-CASE-NPO-11031	c 09	N72-17155 * #	NASA-CASE-NPO-11682-1	c 07	N74-14130 * #
NASA-CASE-NPO-10440	c 15	N72-21466 * #	NASA-CASE-NPO-11036	c 07	N71-33606 * #	NASA-CASE-NPO-11682	c 35	N74-15127 * #
NASA-CASE-NPO-10447	c 06	N70-11252 * #	NASA-CASE-NPO-11059	c 15	N72-24522 * #	NASA-CASE-NPO-11707	c 14	N73-25462 * #
NASA-CASE-NPO-10467	c 23	N71-26654 *	NASA-CASE-NPO-11078	c 15	N72-17454 * #	NASA-CASE-NPO-11738-1	c 10	N73-32144 * #
NASA-CASE-NPO-10468	c 23	N71-33229 *	NASA-CASE-NPO-11082	c 07	N72-11150 * #	NASA-CASE-NPO-11743-1	c 07	N73-25161 * #
NASA-CASE-NPO-10539	c 07	N71-11285 * #	NASA-CASE-NPO-11087	c 09	N72-25262 * #	NASA-CASE-NPO-11751	c 09	N73-30185 * #
NASA-CASE-NPO-10542	c 09	N72-27228 * #	NASA-CASE-NPO-11088	c 08	N72-22167 * #	NASA-CASE-NPO-11758-1	c 28	N74-27425 * #
NASA-CASE-NPO-10548	c 16	N71-24831 *	NASA-CASE-NPO-11095	c 23	N71-29125 * #	NASA-CASE-NPO-11771	c 14	N73-28486 * #
NASA-CASE-NPO-10556	c 14	N71-27185 *	NASA-CASE-NPO-11104-1	c 08	N71-29034 * #	NASA-CASE-NPO-11775	c 07	N73-24176 * #
NASA-CASE-NPO-10557	c 27	N78-17214 * #	NASA-CASE-NPO-11106	c 18	N72-22567 * #	NASA-CASE-NPO-11806-1	c 31	N74-23065 * #
NASA-CASE-NPO-10560	c 08	N72-22166 * #	NASA-CASE-NPO-11108	c 15	N72-25455 * #	NASA-CASE-NPO-11821-1	c 03	N73-20040 * #
NASA-CASE-NPO-10567	c 08	N71-24633 *	NASA-CASE-NPO-11118	c 35	N77-27367 * #	NASA-CASE-NPO-11821	c 26	N72-28761 * #
NASA-CASE-NPO-10575	c 03	N72-25019 * #	NASA-CASE-NPO-11120-1	c 08	N72-22165 * #	NASA-CASE-NPO-11856-1	c 44	N74-19693 * #
NASA-CASE-NPO-10591	c 03	N72-22041 * #	NASA-CASE-NPO-11130	c 14	N70-34697 * #	NASA-CASE-NPO-11861	c 32	N74-19788 * #
NASA-CASE-NPO-10595	c 10	N71-25917 *	NASA-CASE-NPO-11133	c 03	N72-25021 * #	NASA-CASE-NPO-11868-1	c 08	N73-26175 * #
NASA-CASE-NPO-10596	c 06	N71-25929 *	NASA-CASE-NPO-11134	c 34	N74-18552 * #	NASA-CASE-NPO-11880	c 32	N74-12912 * #
NASA-CASE-NPO-10606	c 15	N72-25451 * #	NASA-CASE-NPO-11138	c 09	N72-33204 * #	NASA-CASE-NPO-11881	c 36	N74-15145 * #
NASA-CASE-NPO-10607	c 09	N71-27232 *	NASA-CASE-NPO-11140	c 09	N72-33204 * #	NASA-CASE-NPO-11882	c 36	N74-20009 * #
NASA-CASE-NPO-10617-1	c 35	N74-22095 * #	NASA-CASE-NPO-11147	c 08	N72-20176 * #	NASA-CASE-NPO-11886	c 10	N73-20254 * #
NASA-CASE-NPO-10619-1	c 35	N77-21393 * #	NASA-CASE-NPO-11150	c 10	N72-20223 * #	NASA-CASE-NPO-11888	c 28	N73-24783 * #
NASA-CASE-NPO-10625	c 09	N71-26182 *	NASA-CASE-NPO-11156-2	c 09	N72-21246 * #	NASA-CASE-NPO-11905-1	c 33	N74-12887 * #
NASA-CASE-NPO-10629	c 08	N72-18184 * #	NASA-CASE-NPO-11161	c 03	N70-34646 * #	NASA-CASE-NPO-11919-1	c 35	N74-11284 * #
NASA-CASE-NPO-10633	c 03	N72-28025 * #	NASA-CASE-NPO-11167	c 15	N72-17455 * #	NASA-CASE-NPO-11921-1	c 32	N74-30523 * #
NASA-CASE-NPO-10634	c 23	N72-25619 * #	NASA-CASE-NPO-11177	c 14	N72-27408 * #	NASA-CASE-NPO-11932-1	c 35	N74-23040 * #
NASA-CASE-NPO-10636	c 08	N72-25210 * #	NASA-CASE-NPO-11182	c 35	N78-17359 * #	NASA-CASE-NPO-11941-1	c 10	N73-27171 * #
NASA-CASE-NPO-10637	c 15	N72-12409 * #	NASA-CASE-NPO-11188	c 33	N75-31331 * #	NASA-CASE-NPO-11942-1	c 33	N73-32818 * #
NASA-CASE-NPO-10646	c 15	N71-28467 *	NASA-CASE-NPO-11191-1	c 15	N72-17453 * #	NASA-CASE-NPO-11945-1	c 36	N76-18427 * #
NASA-CASE-NPO-10649	c 07	N72-24840 *	NASA-CASE-NPO-11194	c 03	N71-34044 * #	NASA-CASE-NPO-11951	c 33	N74-32712 * #
NASA-CASE-NPO-10671	c 15	N72-20643 * #	NASA-CASE-NPO-11201	c 33	N77-22386 * #	NASA-CASE-NPO-11951-1	c 37	N74-21065 * #
NASA-CASE-NPO-10677	c 05	N72-11084 *	NASA-CASE-NPO-11202	c 08	N72-25209 * #	NASA-CASE-NPO-11961-1	c 35	N78-29421 * #
NASA-CASE-NPO-10679	c 15	N72-21462 * #	NASA-CASE-NPO-11203	c 14	N72-27409 * #	NASA-CASE-NPO-11962-1	c 44	N76-18643 * #
NASA-CASE-NPO-10680	c 31	N73-14855 * #	NASA-CASE-NPO-11210	c 15	N72-25450 * #	NASA-CASE-NPO-11966-1	c 33	N74-10194 * #
NASA-CASE-NPO-10682	c 15	N70-34699 * #	NASA-CASE-NPO-11213	c 10	N72-20224 * #	NASA-CASE-NPO-11975-1	c 33	N74-17928 * #
NASA-CASE-NPO-10691	c 14	N71-26199 *	NASA-CASE-NPO-11222	c 11	N72-20244 * #	NASA-CASE-NPO-11978	c 28	N74-33209 * #
NASA-CASE-NPO-10694	c 09	N72-20200 * #	NASA-CASE-NPO-11239	c 15	N73-20514 * #	NASA-CASE-NPO-12001-1	c 31	N78-17238 * #
NASA-CASE-NPO-10700	c 07	N71-33613 *	NASA-CASE-NPO-11243	c 15	N72-25456 * #	NASA-CASE-NPO-12007-1	c 27	N72-25699 * #
NASA-CASE-NPO-10701	c 06	N71-28620 *	NASA-CASE-NPO-11253	c 14	N73-12446 * #	NASA-CASE-NPO-12072	c 27	N73-16764 * #
NASA-CASE-NPO-10704	c 15	N72-20445 * #	NASA-CASE-NPO-11264	c 07	N72-20154 * #	NASA-CASE-NPO-12087-1	c 27	N76-16228 * #
NASA-CASE-NPO-10711-1	c 35	N77-21392 * #	NASA-CASE-NPO-11282	c 28	N72-17157 * #	NASA-CASE-NPO-12106	c 28	N73-32606 * #
NASA-CASE-NPO-10714	c 06	N69-31244 * #	NASA-CASE-NPO-11283	c 07	N72-25174 * #	NASA-CASE-NPO-12107	c 28	N72-22772 * #
NASA-CASE-NPO-10716	c 09	N71-24892 *	NASA-CASE-NPO-11291-1	c 10	N73-16205 * #	NASA-CASE-NPO-12109	c 74	N81-19898 * #
NASA-CASE-NPO-10721	c 15	N72-27484 * #	NASA-CASE-NPO-11302-1	c 09	N72-25260 * #	NASA-CASE-NPO-12119-1	c 09	N73-15235 * #
NASA-CASE-NPO-10722	c 09	N72-20199 * #	NASA-CASE-NPO-11302	c 14	N73-30388 * #	NASA-CASE-NPO-12121-1	c 08	N71-27255 * #
NASA-CASE-NPO-10737	c 28	N72-11709 * #	NASA-CASE-NPO-11304	c 07	N73-13149 * #	NASA-CASE-NPO-12122-1	c 11	N72-22245 * #
NASA-CASE-NPO-10743	c 08	N72-21199 * #	NASA-CASE-NPO-11317-2	c 32	N74-10132 * #	NASA-CASE-NPO-12127	c 52	N75-15270 * #
NASA-CASE-NPO-10745	c 08	N72-22164 * #	NASA-CASE-NPO-11317	c 14	N73-26430 * #	NASA-CASE-NPO-12128-1	c 24	N76-14203 * #
NASA-CASE-NPO-10747	c 03	N72-22042 * #	NASA-CASE-NPO-11322	c 10	N73-30205 * #	NASA-CASE-NPO-12129	c 91	N74-13130 * #
NASA-CASE-NPO-10748	c 08	N72-20177 * #	NASA-CASE-NPO-11323	c 14	N72-25414 * #	NASA-CASE-NPO-12134-1	c 14	N73-32317 * #
NASA-CASE-NPO-10753	c 03	N72-26031 * #	NASA-CASE-NPO-11330	c 36	N74-13205 * #		c 25	N75-14844 * #
NASA-CASE-NPO-10755	c 15	N71-27084 *		c 06	N72-25146 * #		c 37	N80-18400 * #
NASA-CASE-NPO-10758	c 14	N73-14427 * #		c 33	N73-26958 * #		c 33	N76-31409 * #

NASA-CASE-NPO-12142-1	c 38	N76-28563 *	#	NASA-CASE-NPO-13531-1	c 36	N76-24553 *	#	NASA-CASE-NPO-13935-1	c 52	N79-14751 *	#
NASA-CASE-NPO-12148-1	c 44	N78-27515 *	#	NASA-CASE-NPO-13535-1	c 37	N76-31524 *	#	NASA-CASE-NPO-13937-1	c 44	N78-31527 *	#
NASA-CASE-NPO-13044-1	c 35	N74-15094 *	#	NASA-CASE-NPO-13540-1	c 35	N77-14409 *	#	NASA-CASE-NPO-13941-1	c 32	N79-10262 *	#
NASA-CASE-NPO-13050-1	c 36	N75-15029 *	#	NASA-CASE-NPO-13541-1	c 37	N79-14383 *	#	NASA-CASE-NPO-13944-1	c 52	N79-14751 *	#
NASA-CASE-NPO-13058-1	c 37	N77-22480 *	#	NASA-CASE-NPO-13543-1	c 32	N77-12240 *	#	NASA-CASE-NPO-13945-1	c 36	N78-27402 *	#
NASA-CASE-NPO-13059-1	c 37	N76-20480 *	#	NASA-CASE-NPO-13544-1	c 36	N76-18428 *	#	NASA-CASE-NPO-13948-1	c 35	N78-25391 *	#
NASA-CASE-NPO-13063-1	c 25	N76-18245 *	#	NASA-CASE-NPO-13545-1	c 32	N77-12240 *	#	NASA-CASE-NPO-13953-1	c 35	N79-28527 *	#
NASA-CASE-NPO-13064-1	c 33	N79-11314 *	#	NASA-CASE-NPO-13550-1	c 36	N77-26477 *	#	NASA-CASE-NPO-13958-1	c 25	N79-11151 *	#
NASA-CASE-NPO-13065-1	c 52	N74-26625 *	#	NASA-CASE-NPO-13553-1	c 33	N76-32457 *	#	NASA-CASE-NPO-13969-1	c 76	N79-23798 *	#
NASA-CASE-NPO-13067-1	c 60	N76-18800 *	#	NASA-CASE-NPO-13556-1	c 35	N84-33766 *	#	NASA-CASE-NPO-13970-1	c 33	N81-20352 *	#
NASA-CASE-NPO-13081-1	c 33	N74-22814 *	#	NASA-CASE-NPO-13560-1	c 44	N77-10636 *	#	NASA-CASE-NPO-13982-1	c 32	N79-14267 *	#
NASA-CASE-NPO-13086-1	c 15	N73-12495 *	#	NASA-CASE-NPO-13561-1	c 44	N77-10636 *	#	NASA-CASE-NPO-13993-1	c 72	N79-13826 *	#
NASA-CASE-NPO-13087-2	c 44	N76-31666 *	#	NASA-CASE-NPO-13566-1	c 25	N77-32255 *	#	NASA-CASE-NPO-13999-1	c 35	N78-18395 *	#
NASA-CASE-NPO-13091-1	c 09	N73-12214 *	#	NASA-CASE-NPO-13567-1	c 44	N76-29701 *	#	NASA-CASE-NPO-14000-1	c 33	N79-24254 *	#
NASA-CASE-NPO-13096-1	c 37	N77-22480 *	#	NASA-CASE-NPO-13568-1	c 32	N76-21365 *	#	NASA-CASE-NPO-14001-1	c 27	N81-14076 *	#
NASA-CASE-NPO-13103-1	c 32	N74-20811 *	#	NASA-CASE-NPO-13569-2	c 35	N79-14348 *	#	NASA-CASE-NPO-14005-1	c 71	N79-20827 *	#
NASA-CASE-NPO-13105-1	c 37	N74-21060 *	#	NASA-CASE-NPO-13579-1	c 44	N78-17460 *	#	NASA-CASE-NPO-14009-1	c 32	N79-13214 *	#
NASA-CASE-NPO-13112-1	c 73	N74-26767 *	#	NASA-CASE-NPO-13579-2	c 44	N79-24433 *	#	NASA-CASE-NPO-14014-1	c 37	N79-10420 *	#
NASA-CASE-NPO-13114-2	c 73	N78-28913 *	#	NASA-CASE-NPO-13579-3	c 44	N79-24432 *	#	NASA-CASE-NPO-14019-1	c 32	N79-14268 *	#
NASA-CASE-NPO-13120-1	c 27	N76-15311 *	#	NASA-CASE-NPO-13581-2	c 44	N79-14529 *	#	NASA-CASE-NPO-14021-2	c 27	N80-16163 *	#
NASA-CASE-NPO-13121-1	c 73	N77-18891 *	#	NASA-CASE-NPO-13587-1	c 44	N78-31525 *	#	NASA-CASE-NPO-14022-1	c 32	N78-31321 *	#
NASA-CASE-NPO-13125-1	c 33	N75-19519 *	#	NASA-CASE-NPO-13604-1	c 32	N77-32342 *	#	NASA-CASE-NPO-14035-1	c 32	N83-19968 *	#
NASA-CASE-NPO-13127-1	c 35	N74-23040 *	#	NASA-CASE-NPO-13606-2	c 35	N76-31490 *	#	NASA-CASE-NPO-14054-1	c 32	N82-12297 *	#
NASA-CASE-NPO-13131-1	c 36	N75-19652 *	#	NASA-CASE-NPO-13613-1	c 35	N80-18364 *	#	NASA-CASE-NPO-14056-1	c 33	N79-24257 *	#
NASA-CASE-NPO-13137-1	c 27	N80-32514 *	#	NASA-CASE-NPO-13619-1	c 37	N76-29590 *	#	NASA-CASE-NPO-14058-1	c 44	N79-18443 *	#
NASA-CASE-NPO-13138-1	c 33	N74-17927 *	#	NASA-CASE-NPO-13620-1	c 37	N78-16369 *	#	NASA-CASE-NPO-14066-1	c 74	N79-34011 *	#
NASA-CASE-NPO-13139-1	c 60	N76-21914 *	#	NASA-CASE-NPO-13643-1	c 27	N77-30236 *	#	NASA-CASE-NPO-14078-1	c 72	N80-14877 *	#
NASA-CASE-NPO-13140-1	c 32	N75-24982 *	#	NASA-CASE-NPO-13644-1	c 32	N79-24210 *	#	NASA-CASE-NPO-14079-1	c 25	N80-20334 *	#
NASA-CASE-NPO-13147-1	c 36	N77-25502 *	#	NASA-CASE-NPO-13650-1	c 52	N76-29896 *	#	NASA-CASE-NPO-14092-1	c 52	N80-16725 *	#
NASA-CASE-NPO-13157-1	c 37	N74-32918 *	#	NASA-CASE-NPO-13652-1	c 52	N76-29895 *	#	NASA-CASE-NPO-14093-1	c 35	N80-20563 *	#
NASA-CASE-NPO-13159-1	c 33	N74-17928 *	#	NASA-CASE-NPO-13652-2	c 25	N79-28253 *	#	NASA-CASE-NPO-14096-1	c 44	N80-18551 *	#
NASA-CASE-NPO-13160-1	c 35	N74-18090 *	#	NASA-CASE-NPO-13652-3	c 44	N79-17314 *	#	NASA-CASE-NPO-14100-1	c 44	N79-12541 *	#
NASA-CASE-NPO-13170-1	c 35	N76-14430 *	#	NASA-CASE-NPO-13663-1	c 44	N79-24431 *	#	NASA-CASE-NPO-14101-1	c 52	N80-14687 *	#
NASA-CASE-NPO-13171-1	c 32	N74-11000 *	#	NASA-CASE-NPO-13666-1	c 44	N80-14474 *	#	NASA-CASE-NPO-14103-1	c 28	N78-31255 *	#
NASA-CASE-NPO-13175-1	c 36	N75-31427 *	#	NASA-CASE-NPO-13671-1	c 35	N77-14406 *	#	NASA-CASE-NPO-14109-1	c 28	N80-23471 *	#
NASA-CASE-NPO-13201-1	c 37	N75-15050 *	#	NASA-CASE-NPO-13672-1	c 27	N77-13217 *	#	NASA-CASE-NPO-14110-1	c 28	N81-15119 *	#
NASA-CASE-NPO-13205-1	c 31	N74-32917 *	#	NASA-CASE-NPO-13673-1	c 37	N77-31497 *	#	NASA-CASE-NPO-14112-1	c 46	N79-22679 *	#
NASA-CASE-NPO-13214-1	c 35	N75-25123 *	#	NASA-CASE-NPO-13675-1	c 71	N77-26919 *	#	NASA-CASE-NPO-14124-1	c 46	N80-14603 *	#
NASA-CASE-NPO-13215-1	c 35	N75-25123 *	#	NASA-CASE-NPO-13678-1	c 44	N77-32580 *	#	NASA-CASE-NPO-14126-1	c 44	N79-11470 *	#
NASA-CASE-NPO-13217-1	c 32	N75-26194 *	#	NASA-CASE-NPO-13683-1	c 60	N79-20751 *	#	NASA-CASE-NPO-14130-1	c 34	N79-20335 *	#
NASA-CASE-NPO-13231-1	c 45	N75-27585 *	#	NASA-CASE-NPO-13687-1	c 35	N77-14411 *	#	NASA-CASE-NPO-14134-1	c 71	N79-23753 *	#
NASA-CASE-NPO-13237-1	c 44	N76-18641 *	#	NASA-CASE-NPO-13689-2	c 35	N78-18391 *	#	NASA-CASE-NPO-14140-1	c 31	N78-24387 *	#
NASA-CASE-NPO-13247-1	c 76	N79-16678 *	#	NASA-CASE-NPO-13689-3	c 44	N81-29525 *	#	NASA-CASE-NPO-14141-1	c 43	N81-26509 *	#
NASA-CASE-NPO-13253-1	c 37	N75-18573 *	#	NASA-CASE-NPO-13690-1	c 44	N82-28780 *	#	NASA-CASE-NPO-14143-1	c 25	N81-14015 *	#
NASA-CASE-NPO-13263-1	c 12	N75-24774 *	#	NASA-CASE-NPO-13692-2	c 27	N78-19302 *	#	NASA-CASE-NPO-14152-1	c 32	N80-18252 *	#
NASA-CASE-NPO-13274-1	c 25	N79-10163 *	#	NASA-CASE-NPO-13691-1	c 27	N79-14213 *	#	NASA-CASE-NPO-14162-1	c 60	N81-15706 *	#
NASA-CASE-NPO-13281-1	c 37	N75-13266 *	#	NASA-CASE-NPO-13707-1	c 43	N79-17288 *	#	NASA-CASE-NPO-14163-1	c 33	N81-14220 *	#
NASA-CASE-NPO-13282	c 38	N78-17396 *	#	NASA-CASE-NPO-13722-1	c 74	N77-28933 *	#	NASA-CASE-NPO-14167-1	c 60	N81-15706 *	#
NASA-CASE-NPO-13283	c 38	N78-17395 *	#	NASA-CASE-NPO-13731-1	c 74	N77-22951 *	#	NASA-CASE-NPO-14169-1	c 60	N81-15706 *	#
NASA-CASE-NPO-13292-1	c 32	N75-15854 *	#	NASA-CASE-NPO-13732-1	c 39	N78-10493 *	#	NASA-CASE-NPO-14170-1	c 37	N81-15364 *	#
NASA-CASE-NPO-13303-1	c 20	N75-24837 *	#	NASA-CASE-NPO-13734-1	c 44	N79-10513 *	#	NASA-CASE-NPO-14173-1	c 04	N80-32359 *	#
NASA-CASE-NPO-13308-1	c 36	N75-30524 *	#	NASA-CASE-NPO-13736-1	c 44	N78-10554 *	#	NASA-CASE-NPO-14174-1	c 74	N79-20856 *	#
NASA-CASE-NPO-13309-1	c 25	N81-19244 *	#	NASA-CASE-NPO-13753-1	c 44	N77-32583 *	#	NASA-CASE-NPO-14191-1	c 31	N80-32584 *	#
NASA-CASE-NPO-13313-1	c 54	N75-27761 *	#	NASA-CASE-NPO-13758-2	c 32	N77-20289 *	#	NASA-CASE-NPO-14192-1	c 39	N80-10507 *	#
NASA-CASE-NPO-13321-1	c 32	N75-26195 *	#	NASA-CASE-NPO-13759-1	c 31	N81-15154 *	#	NASA-CASE-NPO-14199-1	c 44	N79-25482 *	#
NASA-CASE-NPO-13327-1	c 35	N75-23910 *	#	NASA-CASE-NPO-13761-1	c 74	N78-17867 *	#	NASA-CASE-NPO-14200-1	c 44	N79-25482 *	#
NASA-CASE-NPO-13342-1	c 37	N76-16446 *	#	NASA-CASE-NPO-13762-1	c 44	N78-33526 *	#	NASA-CASE-NPO-14205-1	c 44	N79-31752 *	#
NASA-CASE-NPO-13342-2	c 44	N76-29700 *	#	NASA-CASE-NPO-13772-1	c 27	N78-17215 *	#	NASA-CASE-NPO-14212-1	c 52	N80-27072 *	#
NASA-CASE-NPO-13345-1	c 37	N75-19684 *	#	NASA-CASE-NPO-13772-2	c 35	N78-10429 *	#	NASA-CASE-NPO-14219-1	c 74	N81-17886 *	#
NASA-CASE-NPO-13346-1	c 36	N76-29575 *	#	NASA-CASE-NPO-13782-1	c 44	N80-29835 *	#	NASA-CASE-NPO-14220-1	c 37	N81-14318 *	#
NASA-CASE-NPO-13348-1	c 33	N75-31332 *	#	NASA-CASE-NPO-13801-1	c 35	N77-32455 *	#	NASA-CASE-NPO-14221-1	c 37	N81-25370 *	#
NASA-CASE-NPO-13360-1	c 37	N75-25185 *	#	NASA-CASE-NPO-13802-1	c 36	N78-18410 *	#	NASA-CASE-NPO-14224-1	c 33	N80-18287 *	#
NASA-CASE-NPO-13374-1	c 33	N75-19524 *	#	NASA-CASE-NPO-13808-1	c 71	N78-10837 *	#	NASA-CASE-NPO-14229-1	c 33	N80-18285 *	#
NASA-CASE-NPO-13385-1	c 33	N76-18345 *	#	NASA-CASE-NPO-13810-1	c 33	N80-23559 *	#	NASA-CASE-NPO-14231-1	c 46	N80-10709 *	#
NASA-CASE-NPO-13386-1	c 54	N75-27758 *	#	NASA-CASE-NPO-13812-1	c 35	N78-15461 *	#	NASA-CASE-NPO-14237-1	c 44	N80-20808 *	#
NASA-CASE-NPO-13388-1	c 35	N76-16390 *	#	NASA-CASE-NPO-13813-1	c 44	N77-32582 *	#	NASA-CASE-NPO-14253-1	c 32	N80-32605 *	#
NASA-CASE-NPO-13391-1	c 34	N76-27515 *	#	NASA-CASE-NPO-13817-1	c 33	N77-30365 *	#	NASA-CASE-NPO-14254-1	c 36	N80-18372 *	#
NASA-CASE-NPO-13396-1	c 35	N76-18401 *	#	NASA-CASE-NPO-13821-1	c 44	N78-31526 *	#	NASA-CASE-NPO-14255-1	c 46	N79-23555 *	#
NASA-CASE-NPO-13402-1	c 37	N76-18457 *	#	NASA-CASE-NPO-13823-1	c 44	N79-11471 *	#	NASA-CASE-NPO-14258-1	c 35	N81-33448 *	#
NASA-CASE-NPO-13422-1	c 60	N76-14818 *	#	NASA-CASE-NPO-13828-1	c 44	N78-28594 *	#	NASA-CASE-NPO-14260-1	c 28	N79-28342 *	#
NASA-CASE-NPO-13423-1	c 33	N75-31329 *	#	NASA-CASE-NPO-13829-1	c 37	N81-25371 *	#	NASA-CASE-NPO-14272-1	c 25	N81-33246 *	#
NASA-CASE-NPO-13426-1	c 33	N75-31330 *	#	NASA-CASE-NPO-13830-1	c 37	N79-11405 *	#	NASA-CASE-NPO-14273-1	c 25	N82-11144 *	#
NASA-CASE-NPO-13428-1	c 60	N77-12721 *	#	NASA-CASE-NPO-13836-1	c 32	N80-14281 *	#	NASA-CASE-NPO-14295-1	c 76	N80-32245 *	#
NASA-CASE-NPO-13435-1	c 31	N76-14284 *	#	NASA-CASE-NPO-13839-1	c 32	N78-15323 *	#	NASA-CASE-NPO-14297-1	c 33	N81-19389 *	#
NASA-CASE-NPO-13436-1	c 37	N76-20480 *	#	NASA-CASE-NPO-13848-2	c 31	N78-25256 *	#	NASA-CASE-NPO-14303-1	c 76	N80-32244 *	#
NASA-CASE-NPO-13443-1	c 76	N76-20994 *	#	NASA-CASE-NPO-13849-1	c 85	N79-17747 *	#	NASA-CASE-NPO-14305-1	c 44	N80-18550 *	#
NASA-CASE-NPO-13447-1	c 60	N77-12721 *	#	NASA-CASE-NPO-13858-1	c 28	N80-10374 *	#	NASA-CASE-NPO-14311-1	c 44	N80-18550 *	#
NASA-CASE-NPO-13449-1	c 36	N75-32441 *	#	NASA-CASE-NPO-13862-1	c 28	N79-11231 *	#	NASA-CASE-NPO-14315-1	c 33	N82-29539 *	#
NASA-CASE-NPO-13451-1	c 33	N76-14373 *	#	NASA-CASE-NPO-13867-1	c 28	N79-11231 *	#	NASA-CASE-NPO-14316-1	c 27	N81-17261 *	#
NASA-CASE-NPO-13459-1	c 31	N77-10229 *	#	NASA-CASE-NPO-13872-1	c 28	N79-10391 *	#	NASA-CASE-NPO-14324-1	c 33	N81-33404 *	#
NASA-CASE-NPO-13462-1	c 35	N76-24524 *	#	NASA-CASE-NPO-13877-1	c 35	N78-14164 *	#	NASA-CASE-NPO-14328-1	c 72	N80-27163 *	#
NASA-CASE-NPO-13464-1	c 44										

NASA-CASE-NPO-14402-1	c 52	N81-27783 * #	NASA-CASE-NPO-15351-1	c 06	N83-10040 * #	NASA-CASE-NPO-16155-1	c 44	N85-30475 * #
NASA-CASE-NPO-14406-1	c 37	N80-29703 * #	NASA-CASE-NPO-15351-2	c 06	N84-34443 * #	NASA-CASE-NPO-16171-1-CU	c 04	N84-12151 * #
NASA-CASE-NPO-14416-1	c 44	N81-14389 * #	NASA-CASE-NPO-15358-1	c 33	N83-27126 * #	NASA-CASE-NPO-16203-1	c 23	N85-35227 * #
NASA-CASE-NPO-14424-1	c 33	N80-32650 * #	NASA-CASE-NPO-15375-1	c 74	N84-11921 * #	NASA-CASE-NPO-16236-1	c 44	N84-25164 * #
NASA-CASE-NPO-14426-1	c 33	N79-17134 * #	NASA-CASE-NPO-15388-1	c 44	N84-28203 * #	NASA-CASE-NPO-16256-1	c 32	N84-32620 * #
NASA-CASE-NPO-14426-1	c 33	N81-27396 * #	NASA-CASE-NPO-15398-1	c 35	N84-22931 * #	NASA-CASE-NPO-16257-1	c 31	N85-29082 * #
NASA-CASE-NPO-14430-1	c 33	N80-32650 * #	NASA-CASE-NPO-15400-1	c 34	N83-31993 * #	NASA-CASE-NPO-16271-1	c 36	N84-15537 * #
NASA-CASE-NPO-14435-1	c 33	N81-33405 * #	NASA-CASE-NPO-15401-1	c 32	N83-27085 * #	NASA-CASE-NPO-16294-1	c 74	N84-33179 * #
NASA-CASE-NPO-14444-1	c 33	N81-15192 * #	NASA-CASE-NPO-15419-2	c 44	N85-30474 * #	NASA-CASE-NPO-16299-1	c 33	N85-20250 * #
NASA-CASE-NPO-14448-1	c 74	N81-29963 * #	NASA-CASE-NPO-15423-1	c 35	N84-28016 * #	NASA-CASE-NPO-16306-1-CU	c 76	N85-30934 * #
NASA-CASE-NPO-14467-1	c 44	N79-31753 * #	NASA-CASE-NPO-15426-1	c 35	N84-17555 * #	NASA-CASE-NPO-16321-1	c 37	N85-29291 * #
NASA-CASE-NPO-14473-1	c 37	N80-23654 * #	NASA-CASE-NPO-15430-1	c 46	N85-21846 * #	NASA-CASE-NPO-16322-1	c 37	N85-29291 * #
NASA-CASE-NPO-14474-1	c 26	N80-14229 * #	NASA-CASE-NPO-15432-1	c 32	N85-29117 * #	NASA-CASE-NPO-16336-1-CU	c 31	N85-21407 * #
NASA-CASE-NPO-14477-1	c 28	N80-28536 * #	NASA-CASE-NPO-15433-1	c 32	N85-21428 * #	NASA-CASE-NPO-16337-1-1	c 33	N85-20251 * #
NASA-CASE-NPO-14480-1	c 32	N80-20448 * #	NASA-CASE-NPO-15435-1	c 71	N83-36846 * #	NASA-CASE-NPO-16372-1	c 72	N85-30779 * #
NASA-CASE-NPO-14501-1	c 75	N80-18357 * #	NASA-CASE-NPO-15453-1	c 71	N83-32515 * #	NASA-CASE-NPO-16392-1	c 44	N84-32912 * #
NASA-CASE-NPO-14502-1	c 34	N81-17888 * #	NASA-CASE-NPO-15458-1	c 25	N84-12262 * #	NASA-CASE-NPO-16393-1-CU	c 31	N85-29084 * #
NASA-CASE-NPO-14505-1	c 33	N81-19393 * #	NASA-CASE-NPO-15464-1	c 74	N85-29749 * #	NASA-CASE-NPO-16394-1	c 76	N85-20906 * #
NASA-CASE-NPO-14513-1	c 35	N81-14287 * #	NASA-CASE-NPO-15465-1	c 34	N84-22903 * #	NASA-CASE-NPO-16402-1	c 36	N85-29265 * #
NASA-CASE-NPO-14519-1	c 32	N80-23524 * #	NASA-CASE-NPO-15466-1	c 71	N85-22104 * #	NASA-CASE-NPO-16413-1	c 26	N85-21325 * #
NASA-CASE-NPO-14521-1	c 54	N79-20746 * #	NASA-CASE-NPO-15482-1	c 37	N83-36484 * #	NASA-CASE-NPO-16414-1-CU	c 32	N85-29121 * #
NASA-CASE-NPO-14521-1	c 37	N81-27519 * #	NASA-CASE-NPO-15483-1	c 37	N85-21650 * #	NASA-CASE-NPO-16479-1-CU	c 35	N85-29219 * #
NASA-CASE-NPO-14524-1	c 32	N80-24510 * #	NASA-CASE-NPO-15494-1	c 35	N82-25484 * #	NASA-CASE-NPO-16494-1-CU	c 34	N85-29182 * #
NASA-CASE-NPO-14525-1	c 32	N79-19195 * #	NASA-CASE-NPO-15496-1	c 44	N84-23018 * #			
NASA-CASE-NPO-14525-2	c 32	N83-31918 * #	NASA-CASE-NPO-15516-1	c 36	N84-22943 * #	NASA-CASE-NSTL-10	c 45	N84-12654 * #
NASA-CASE-NPO-14527-1	c 32	N80-24510 * #	NASA-CASE-NPO-15519-1	c 32	N84-34651 * #			
NASA-CASE-NPO-14536-1	c 32	N81-14185 * #	NASA-CASE-NPO-15522-1	c 71	N83-32516 * #	NASA-CASE-NUC-10107-1	c 33	N74-17930 * #
NASA-CASE-NPO-14542-1	c 25	N82-23282 * #	NASA-CASE-NPO-15530-1	c 76	N83-35888 * #			
NASA-CASE-NPO-14544-1	c 46	N82-12685 * #	NASA-CASE-NPO-15539-1	c 37	N82-11469 * #	NASA-CASE-WLP-10002	c 15	N72-17451 * #
NASA-CASE-NPO-14549-2	c 52	N82-33996 * #	NASA-CASE-NPO-15547-1	c 72	N84-16959 * #	NASA-CASE-WLP-10055-1	c 35	N84-28015 * #
NASA-CASE-NPO-14554-1	c 60	N81-27814 * #	NASA-CASE-NPO-15553-1	c 33	N85-29142 * #	NASA-CASE-WLP-10055-2	c 35	N85-21598 * #
NASA-CASE-NPO-14556-1	c 33	N82-24418 * #	NASA-CASE-NPO-15555-1	c 71	N85-30765 * #			
NASA-CASE-NPO-14558-1	c 46	N80-24906 * #	NASA-CASE-NPO-15558-1	c 35	N84-34705 * #	NASA-CASE-WOO-00428-1	c 32	N79-19186 * #
NASA-CASE-NPO-14565-2	c 25	N83-19826 * #	NASA-CASE-NPO-15560-1	c 33	N85-21491 * #	NASA-CASE-WOO-00625	c 37	N78-17385 * #
NASA-CASE-NPO-14567-1	c 33	N83-18996 * #	NASA-CASE-NPO-15562-1	c 71	N82-27086 * #			
NASA-CASE-NPO-14579-1	c 32	N80-18253 * #	NASA-CASE-NPO-15592-1	c 71	N84-16940 * #	NASA-CASE-XAC-00001	c 15	N71-28952 * #
NASA-CASE-NPO-14588-1	c 32	N81-25278 * #	NASA-CASE-NPO-15617-1	c 35	N82-33681 * #	NASA-CASE-XAC-00030	c 14	N70-34820 * #
NASA-CASE-NPO-14590-1	c 32	N80-18253 * #	NASA-CASE-NPO-15625-1	c 76	N83-20789 * #	NASA-CASE-XAC-00042	c 14	N70-34816 * #
NASA-CASE-NPO-14596-1	c 31	N81-33319 * #	NASA-CASE-NPO-15629-1	c 76	N84-35113 * #	NASA-CASE-XAC-00048	c 02	N71-29128 * #
NASA-CASE-NPO-14596-3	c 31	N83-31896 * #	NASA-CASE-NPO-15640-1	c 27	N84-22748 * #	NASA-CASE-XAC-00060	c 09	N70-39915 * #
NASA-CASE-NPO-14597-2	c 37	N84-28081 * #	NASA-CASE-NPO-15644-1	c 35	N84-33767 * #	NASA-CASE-XAC-00073	c 14	N70-34813 * #
NASA-CASE-NPO-14617-1	c 33	N81-24338 * #	NASA-CASE-NPO-15651-1	c 43	N85-21723 * #	NASA-CASE-XAC-00074	c 15	N70-34817 * #
NASA-CASE-NPO-14619-1	c 44	N81-17518 * #	NASA-CASE-NPO-15656-1	c 43	N84-23012 * #	NASA-CASE-XAC-00086	c 09	N70-33182 * #
NASA-CASE-NPO-14632-1	c 32	N82-18443 * #	NASA-CASE-NPO-15658-1	c 26	N83-19890 * #	NASA-CASE-XAC-00139	c 02	N70-34856 * #
NASA-CASE-NPO-14635-1	c 44	N80-24741 * #	NASA-CASE-NPO-15662-1	c 44	N84-28204 * #	NASA-CASE-XAC-00319	c 25	N70-41628 * #
NASA-CASE-NPO-14640-1	c 32	N80-32605 * #	NASA-CASE-NPO-15689-1	c 71	N84-23233 * #	NASA-CASE-XAC-00399	c 11	N70-34815 * #
NASA-CASE-NPO-14641-1	c 32	N81-29308 * #	NASA-CASE-NPO-15696-1	c 33	N85-34333 * #	NASA-CASE-XAC-00404	c 08	N70-40125 * #
NASA-CASE-NPO-14657-1	c 74	N81-17887 * #	NASA-CASE-NPO-15704-1	c 32	N85-34327 * #	NASA-CASE-XAC-00405	c 05	N70-41819 * #
NASA-CASE-NPO-14670-1	c 44	N81-19558 * #	NASA-CASE-NPO-15706-1	c 35	N84-28017 * #	NASA-CASE-XAC-00435	c 09	N70-35440 * #
NASA-CASE-NPO-14749-1	c 32	N81-14186 * #	NASA-CASE-NPO-15722-1	c 35	N85-29212 * #	NASA-CASE-XAC-00472	c 15	N70-40180 * #
NASA-CASE-NPO-14782-1	c 36	N82-28616 * #	NASA-CASE-NPO-15743-1	c 32	N85-29118 * #	NASA-CASE-XAC-00648	c 14	N70-40400 * #
NASA-CASE-NPO-14813-1	c 74	N82-24072 * #	NASA-CASE-NPO-15753-1	c 27	N84-33589 * #	NASA-CASE-XAC-00731	c 11	N71-15960 * #
NASA-CASE-NPO-14831-1	c 76	N82-30105 * #	NASA-CASE-NPO-15759-1	c 35	N85-21596 * #	NASA-CASE-XAC-00812	c 14	N71-10598 * #
NASA-CASE-NPO-14839-1	c 35	N82-15381 * #	NASA-CASE-NPO-15767-1	c 23	N84-16255 * #	NASA-CASE-XAC-00942	c 10	N71-16042 * #
NASA-CASE-NPO-14845-1	c 27	N82-28442 * #	NASA-CASE-NPO-15772-1	c 76	N85-29800 * #	NASA-CASE-XAC-01101	c 14	N70-41957 * #
NASA-CASE-NPO-14857-1	c 27	N83-19900 * #	NASA-CASE-NPO-15786-1	c 76	N84-35112 * #	NASA-CASE-XAC-01158	c 15	N71-23051 * #
NASA-CASE-NPO-14864-1	c 74	N83-19597 * #	NASA-CASE-NPO-15789-1	c 31	N83-19947 * #	NASA-CASE-XAC-01404	c 05	N70-41581 * #
NASA-CASE-NPO-14902-1	c 25	N82-29371 * #	NASA-CASE-NPO-15790-1	c 36	N85-21631 * #	NASA-CASE-XAC-01591	c 31	N71-17729 * #
NASA-CASE-NPO-14936-1	c 47	N83-32232 * #	NASA-CASE-NPO-15800-2	c 76	N85-22178 * #	NASA-CASE-XAC-01662	c 14	N71-23037 * #
NASA-CASE-NPO-14940-1	c 33	N83-31954 * #	NASA-CASE-NPO-15801-1	c 74	N85-23396 * #	NASA-CASE-XAC-01677	c 09	N71-20816 * #
NASA-CASE-NPO-14987-1	c 24	N83-33950 * #	NASA-CASE-NPO-15805-1	c 74	N84-28590 * #	NASA-CASE-XAC-02058	c 02	N71-16087 * #
NASA-CASE-NPO-14998-1	c 33	N81-15194 * #	NASA-CASE-NPO-15808-1	c 44	N84-34792 * #	NASA-CASE-XAC-02405	c 09	N71-16089 * #
NASA-CASE-NPO-14998-1	c 32	N83-18975 * #	NASA-CASE-NPO-15811-1	c 76	N84-12968 * #	NASA-CASE-XAC-02407	c 14	N69-27423 * #
NASA-CASE-NPO-15015-1	c 25	N82-28368 * #	NASA-CASE-NPO-15813-2	c 76	N85-30922 * #	NASA-CASE-XAC-02807	c 09	N71-23021 * #
NASA-CASE-NPO-15021-1	c 36	N83-10417 * #	NASA-CASE-NPO-15813-2	c 76	N85-30933 * #	NASA-CASE-XAC-02877	c 14	N70-41681 * #
NASA-CASE-NPO-15024-1	c 32	N84-27951 * #	NASA-CASE-NPO-15828-1	c 74	N83-30222 * #	NASA-CASE-XAC-02970	c 14	N69-39896 * #
NASA-CASE-NPO-15036-1	c 74	N82-19029 * #	NASA-CASE-NPO-15844-1	c 74	N83-12992 * #	NASA-CASE-XAC-02981	c 14	N71-21072 * #
NASA-CASE-NPO-15037-2	c 37	N85-29282 * #	NASA-CASE-NPO-15851-1	c 37	N85-21652 * #	NASA-CASE-XAC-03107	c 23	N71-16098 * #
NASA-CASE-NPO-15066-1	c 33	N82-29538 * #	NASA-CASE-NPO-15865-1	c 74	N85-34629 * #	NASA-CASE-XAC-03342	c 03	N70-41954 * #
NASA-CASE-NPO-15070-1	c 31	N83-35176 * #	NASA-CASE-NPO-15890-1-CU	c 33	N85-29143 * #	NASA-CASE-XAC-03790	c 14	N71-26135 * #
NASA-CASE-NPO-15071-1	c 44	N82-16475 * #	NASA-CASE-NPO-15904-1	c 76	N83-21993 * #	NASA-CASE-XAC-03777	c 10	N71-15909 * #
NASA-CASE-NPO-15100-1	c 44	N84-14583 * #	NASA-CASE-NPO-15920-1	c 33	N85-21493 * #	NASA-CASE-XAC-04030	c 10	N71-19472 * #
NASA-CASE-NPO-15102-1	c 25	N81-25159 * #	NASA-CASE-NPO-15924-1	c 25	N85-35253 * #	NASA-CASE-XAC-04031	c 08	N71-18594 * #
NASA-CASE-NPO-15111-1	c 36	N82-29889 * #	NASA-CASE-NPO-15928-1	c 26	N85-29005 * #	NASA-CASE-XAC-04458	c 14	N71-24232 * #
NASA-CASE-NPO-15115-1	c 37	N82-24493 * #	NASA-CASE-NPO-15935-1	c 33	N83-12334 * #	NASA-CASE-XAC-04885	c 14	N71-23790 * #
NASA-CASE-NPO-15155-1	c 74	N85-22139 * #	NASA-CASE-NPO-15939-1	c 43	N83-20324 * #	NASA-CASE-XAC-04886-1	c 14	N71-20439 * #
NASA-CASE-NPO-15161-1	c 33	N84-16456 * #	NASA-CASE-NPO-15949-1	c 85	N85-34722 * #	NASA-CASE-XAC-05333	c 11	N71-22875 * #
NASA-CASE-NPO-15179-1	c 44	N82-26777 * #	NASA-CASE-NPO-15960-1	c 37	N83-36485 * #	NASA-CASE-XAC-05422	c 04	N71-23185 * #
NASA-CASE-NPO-15183-1	c 44	N82-26776 * #	NASA-CASE-NPO-15980-1	c 36	N85-30305 * #	NASA-CASE-XAC-05462-2	c 10	N72-17171 * #
NASA-CASE-NPO-15197-1	c 52	N83-25346 * #	NASA-CASE-NPO-15982-1	c 60	N85-20680 * #	NASA-CASE-XAC-05506-1	c 24	N71-16095 * #
NASA-CASE-NPO-15201-1	c 36	N83-35350 * #	NASA-CASE-NPO-16000-1	c 36	N85-29264 * #	NASA-CASE-XAC-05632	c 32	N71-23971 * #
NASA-CASE-NPO-15202-1	c 27	N83-34043 * #	NASA-CASE-NPO-16021-1	c 33	N85-30187 * #	NASA-CASE-XAC-05695	c 25	N71-16073 * #
NASA-CASE-NPO-15210-1	c 25	N84-22709 * #	NASA-CASE-NPO-16022-1	c 71	N85-22105 * #	NASA-CASE-XAC-05706	c 05	N71-12342 * #
NASA-CASE-NPO-15213-1	c 51	N83-17045 * #	NASA-CASE-NPO-16027-1	c 35	N85-21597 * #	NASA-CASE-XAC-05902	c 11	N71-18578 * #
NASA-CASE-NPO-15220-1	c 45	N83-25217 * #	NASA-CASE-NPO-16030-1	c 36	N84-25037 * #	NASA-CASE-XAC-06029-1	c 31	N71-24813 * #
NASA-CASE-NPO-15227-1	c 37	N81-33482 * #	NASA-CASE-NPO-16038-1	c 37	N83-20157 * #	NASA-CASE-XAC-06302	c 08	N71-19763 * #
NASA-CASE-NPO-15251-1	c 31	N83-31897 * #	NASA-CASE-NPO-16045-1	c 76	N84-33211 * #	NASA-CASE-XAC-06956	c 15	N71-21177 * #
NASA-CASE-NPO-15264-1	c 04	N84-27713 * #	NASA-CASE-NPO-16061-1-CU	c 72	N85-29701 * #	NASA-CASE-XAC-07043	c 05	N71-23161 * #
NASA-CASE-NPO-15269-1	c 44	N82-29710 * #	NASA-CASE-NPO-16087-1	c 33	N85-29151 * #	NASA-CASE-XAC-08494	c 30	N71-15990 * #
NASA-CASE-NPO-15292-1	c 35	N83-27184 * #	NASA-CASE-NPO-16103-1	c 27	N85-29043 * #	NASA-CASE-XAC-08972	c 02	N71-20570 * #
NASA-CASE-NPO-15295-1	c 60	N85-21992 * #	NASA-CASE-NPO-16112-1	c 36	N84-12463 * #	NASA-CASE-XAC-09881	c 09	N69-39897 * #
NASA-CASE-NPO-15304-1	c 25	N83-31743 * #	NASA-CASE-NPO-16116-1	c 60	N84-25306 * #	NASA-CASE-XAC-09489-1	c 15	N71-26673 * #
NASA-CASE-NPO-15334-1	c 71	N83-35781 * #	NASA-CASE-NPO-16120-1	c 37	N83-36485 * #	NASA-CASE-XAC-10019	c 15	N71-23809 * #
NASA-CASE-NPO-15341-1	c 35	N84-33769 * #	NASA-CASE-NPO-16135-1	c 25	N83-24572 * #	NASA-CASE-XAC-10607	c 10	N71-23669 * #
NASA-CASE-NPO-15342-1	c 60	N83-32342 * #	NASA-CASE-NPO-16142-1	c 71	N84-16948 * #	NASA-CASE-XAC-10608-1	c 09	N71-12517 * #
NASA-CASE-NPO-15345-1	c 74	N84-23247 * #	NASA-CASE-NPO-16147-1-CU	c 71	N85-29693 * #	NASA-CASE-XAC-10768	c 09	N71-18830 * #

NASA-CASE-XAC-10770-1	c 16	N71-24828 *	NASA-CASE-XGS-01983	c 10	N70-41964 * #	NASA-CASE-XGS-07752	c 14	N73-30390 * #
NASA-CASE-XAC-11225	c 14	N69-27486 * #	NASA-CASE-XGS-02011	c 15	N71-20739 *	NASA-CASE-XGS-07801	c 09	N71-12513 * #
NASA-CASE-XAR-01547	c 05	N69-21473 * #	NASA-CASE-XGS-02171	c 09	N69-24324 * #	NASA-CASE-XGS-07805	c 15	N72-33476 * #
NASA-CASE-XAR-03786	c 09	N69-21313 * #	NASA-CASE-XGS-02290	c 07	N71-28809 *	NASA-CASE-XGS-08259	c 14	N71-23698 #
NASA-CASE-XER-07894	c 09	N71-18721 *	NASA-CASE-XGS-02317	c 09	N71-23525 *	NASA-CASE-XGS-08266	c 14	N69-27432 * #
NASA-CASE-XER-07895	c 26	N72-25679 * #	NASA-CASE-XGS-02319	c 14	N71-22965 *	NASA-CASE-XGS-08269	c 23	N71-26206 #
NASA-CASE-XER-07896-2	c 23	N72-22673 * #	NASA-CASE-XGS-02401	c 15	N69-27485 * #	NASA-CASE-XGS-08679	c 10	N71-21473 * #
NASA-CASE-XER-08476-1	c 26	N72-17820 * #	NASA-CASE-XGS-02422	c 15	N71-21529 *	NASA-CASE-XGS-08718	c 15	N71-24600 #
NASA-CASE-XER-09213	c 07	N71-12390 * #	NASA-CASE-XGS-02435	c 18	N71-22998 *	NASA-CASE-XGS-08729	c 28	N71-14044 * #
NASA-CASE-XER-09519	c 14	N71-18483 *	NASA-CASE-XGS-02437	c 15	N69-21472 * #	NASA-CASE-XGS-09186	c 33	N78-17295 * #
NASA-CASE-XER-09521	c 09	N72-12136 *	NASA-CASE-XGS-02439	c 14	N71-19431 *	NASA-CASE-XGS-09190	c 31	N71-16102 * #
NASA-CASE-XER-11019	c 09	N71-23598 *	NASA-CASE-XGS-02440	c 08	N71-19432 *	NASA-CASE-XGS-10010	c 03	N72-15986 * #
NASA-CASE-XER-11046-2	c 33	N74-22864 * #	NASA-CASE-XGS-02441	c 15	N70-41629 * #	NASA-CASE-XGS-10518	c 16	N71-28554 * #
NASA-CASE-XER-11046	c 09	N72-22203 * #	NASA-CASE-XGS-02554	c 31	N71-21064 *	NASA-CASE-XGS-11177	c 09	N71-27001 *
NASA-CASE-XER-11203	c 14	N71-28994 * #	NASA-CASE-XGS-02607	c 31	N71-23009 *	NASA-CASE-XHQ-01208	c 15	N70-35409 * #
NASA-CASE-XER-11203	c 14	N71-28994 * #	NASA-CASE-XGS-02608	c 07	N70-41678 * #	NASA-CASE-XHQ-01897	c 28	N70-35381 * #
NASA-CASE-XFR-00181	c 21	N70-33279 *	NASA-CASE-XGS-02610	c 14	N71-23174 *	NASA-CASE-XHQ-02146	c 18	N75-27040 * #
NASA-CASE-XFR-00756	c 02	N71-13421 * #	NASA-CASE-XGS-02612	c 08	N71-19435 *	NASA-CASE-XHQ-03673	c 33	N71-29046 #
NASA-CASE-XFR-00811	c 15	N70-36901 * #	NASA-CASE-XGS-02629	c 14	N71-21082 *	NASA-CASE-XHQ-03903	c 15	N69-21922 * #
NASA-CASE-XFR-00929	c 31	N70-34966 * #	NASA-CASE-XGS-02630	c 03	N71-22974 *	NASA-CASE-XHQ-04106	c 14	N70-40240 * #
NASA-CASE-XFR-02007	c 12	N71-24692 *	NASA-CASE-XGS-02631	c 03	N71-23006 *	NASA-CASE-XKS-01985	c 15	N71-10782 * #
NASA-CASE-XFR-03107	c 09	N71-19449 *	NASA-CASE-XGS-02749	c 07	N69-39978 * #	NASA-CASE-XKS-02342	c 05	N71-11199 * #
NASA-CASE-XFR-03802	c 33	N71-23085 *	NASA-CASE-XGS-02751	c 09	N71-23015 *	NASA-CASE-XKS-02582	c 15	N71-21234 * #
NASA-CASE-XFR-04104	c 03	N70-42073 * #	NASA-CASE-XGS-02812	c 07	N71-19466 *	NASA-CASE-XKS-02582	c 15	N71-24043 #
NASA-CASE-XFR-04147	c 11	N71-10748 * #	NASA-CASE-XGS-02816	c 15	N71-22705 *	NASA-CASE-XKS-03338	c 15	N71-24043 #
NASA-CASE-XFR-05302	c 15	N71-23254 *	NASA-CASE-XGS-02884	c 07	N71-11282 * #	NASA-CASE-XKS-03381	c 09	N71-22796 * #
NASA-CASE-XFR-05421	c 15	N71-22994 *	NASA-CASE-XGS-02889	c 10	N71-19547 *	NASA-CASE-XKS-03381	c 14	N69-39785 * #
NASA-CASE-XFR-05637	c 09	N71-19480 *	NASA-CASE-XGS-03058	c 09	N69-27463 * #	NASA-CASE-XKS-03495	c 14	N71-23175 * #
NASA-CASE-XFR-07172	c 05	N71-27234 *	NASA-CASE-XGS-03095	c 15	N71-24047 *	NASA-CASE-XKS-03509	c 15	N69-21460 * #
NASA-CASE-XFR-07658-1	c 05	N71-26293 *	NASA-CASE-XGS-03120	c 14	N71-23401 *	NASA-CASE-XKS-04614	c 10	N71-23663 * #
NASA-CASE-XFR-08403	c 05	N71-11202 * #	NASA-CASE-XGS-03230	c 08	N71-18595 *	NASA-CASE-XKS-04631	c 09	N71-26787 * #
NASA-CASE-XFR-09479	c 14	N69-27503 * #	NASA-CASE-XGS-03303	c 09	N71-22988 *	NASA-CASE-XKS-05932	c 08	N71-24890 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03304	c 31	N71-16081 *	NASA-CASE-XKS-06167	c 14	N71-15600 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03351	c 03	N71-23187 *	NASA-CASE-XKS-06250	c 15	N71-27067 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03390	c 10	N71-23029 *	NASA-CASE-XKS-07814	c 15	N71-26134 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03427	c 03	N69-21330 * #	NASA-CASE-XKS-07953	c 31	N71-15566 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03429	c 21	N71-15642 *	NASA-CASE-XKS-08012-2	c 07	N71-19493 #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03431	c 09	N71-20884 *	NASA-CASE-XKS-08485	c 07	N71-24614 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03501	c 10	N71-20852 *	NASA-CASE-XKS-09340	c 09	N71-13521 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03502	c 03	N71-10608 * #	NASA-CASE-XKS-10543	c 07	N71-26292 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03505	c 14	N71-17627 *	NASA-CASE-XKS-10804	c 05	N71-24606 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03531	c 27	N70-35534 * #	NASA-CASE-XLA-00013	c 15	N71-29136 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03556	c 09	N71-23311 *	NASA-CASE-XLA-00062	c 14	N70-33254 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03632	c 16	N71-18614 * #	NASA-CASE-XLA-00067	c 02	N70-33332 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03633	c 14	N72-22443 * #	NASA-CASE-XLA-00087	c 14	N70-36807 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03644	c 15	N69-24320 * #	NASA-CASE-XLA-00100	c 28	N70-33331 #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03736	c 14	N69-21363 * #	NASA-CASE-XLA-00105	c 11	N70-33287 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03864	c 03	N72-11062 * #	NASA-CASE-XLA-00112	c 14	N70-33366 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-03865	c 18	N69-39979 * #	NASA-CASE-XLA-00113	c 03	N70-33343 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04047-2	c 19	N71-26674 * #	NASA-CASE-XLA-00115	c 31	N71-17680 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04119	c 15	N71-18579 *	NASA-CASE-XLA-00117	c 05	N70-33285 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04173	c 10	N71-26418 *	NASA-CASE-XLA-00119	c 21	N70-33121 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04175	c 15	N71-21744 *	NASA-CASE-XLA-00120	c 15	N70-37985 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04178	c 21	N71-14159 * #	NASA-CASE-XLA-00128	c 14	N70-33322 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04227	c 16	N71-24233 * #	NASA-CASE-XLA-00135	c 15	N70-33180 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04228	c 03	N69-27491 * #	NASA-CASE-XLA-00137	c 31	N70-37981 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04393	c 15	N69-24267 * #	NASA-CASE-XLA-00138	c 09	N70-33312 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04478	c 15	N71-24045 *	NASA-CASE-XLA-00141	c 02	N70-33286 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04480	c 15	N69-39786 * #	NASA-CASE-XLA-00142	c 25	N70-34661 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04531	c 08	N71-18693 *	NASA-CASE-XLA-00147	c 31	N70-37938 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04548	c 15	N71-12494 * #	NASA-CASE-XLA-00149	c 28	N70-33374 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04554	c 18	N71-19437 *	NASA-CASE-XLA-00154	c 26	N70-36805 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04765	c 03	N69-25146 * #	NASA-CASE-XLA-00158	c 31	N70-33242 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04766	c 14	N71-20428 *	NASA-CASE-XLA-00166	c 02	N70-34178 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04767	c 08	N71-20571 *	NASA-CASE-XLA-00183	c 14	N70-40239 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04768	c 14	N71-17574 *	NASA-CASE-XLA-00188	c 15	N71-22874 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04799	c 09	N69-21543 * #	NASA-CASE-XLA-00189	c 33	N70-36846 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04808	c 09	N69-24317 * #	NASA-CASE-XLA-00195	c 02	N70-38009 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04879	c 09	N69-24318 * #	NASA-CASE-XLA-00203	c 14	N70-34161 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04987	c 18	N71-25581 *	NASA-CASE-XLA-00204	c 32	N70-36536 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04993	c 07	N69-39980 * #	NASA-CASE-XLA-00210	c 30	N70-40309 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-04999	c 09	N71-19470 *	NASA-CASE-XLA-00221	c 02	N70-33266 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05003	c 09	N71-25999 *	NASA-CASE-XLA-00229	c 12	N70-33305 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05180	c 03	N71-16341 *	NASA-CASE-XLA-00230	c 02	N70-33255 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05211	c 23	N71-19438 *	NASA-CASE-XLA-00241	c 31	N70-37986 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05289	c 03	N71-20491 *	NASA-CASE-XLA-00256	c 31	N71-15663 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05290	c 10	N71-22962 *	NASA-CASE-XLA-00258	c 31	N70-38676 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05291	c 06	N71-17705 *	NASA-CASE-XLA-00281	c 21	N70-36943 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05432	c 04	N69-27487 * #	NASA-CASE-XLA-00284	c 15	N71-16075 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05434	c 23	N71-16355 *	NASA-CASE-XLA-00302	c 15	N71-16077 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05434	c 31	N71-15676 *	NASA-CASE-XLA-00304	c 27	N70-34783 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05579	c 07	N69-27460 * #	NASA-CASE-XLA-00326	c 03	N70-34667 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05582	c 25	N82-29370 * #	NASA-CASE-XLA-00327	c 25	N71-29184 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05584-1	c 14	N71-17585 *	NASA-CASE-XLA-00330	c 33	N70-34540 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05680	c 23	N71-16100 *	NASA-CASE-XLA-00349	c 33	N70-37979 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05715	c 26	N71-16037 *	NASA-CASE-XLA-00350	c 02	N70-38011 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-05918	c 07	N69-39974 * #	NASA-CASE-XLA-00377	c 33	N71-17610 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-06226	c 10	N71-25950 *	NASA-CASE-XLA-00378	c 11	N71-15925 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-06306	c 17	N71-16044 *	NASA-CASE-XLA-00414	c 07	N70-38200 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-06306	c 24	N71-16213 *	NASA-CASE-XLA-00415	c 15	N71-16079 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-07375-1	c 25	N82-29370 * #	NASA-CASE-XLA-00471	c 08	N70-34778 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-07397-1	c 25	N82-29370 * #	NASA-CASE-XLA-00481	c 14	N70-36824 * #
NASA-CASE-XFR-10856	c 05	N71-11189 * #	NASA-CASE-XGS-07514	c 23	N71-16099 *	NASA-CASE-XLA-00482	c 15	N70-36409 * #

NASA-CASE-XLA-00487	c 14	N70-40157 * #	NASA-CASE-XLA-02850	c 09	N71-20447 *	NASA-CASE-XLA-09346	c 15	N71-28740 *
NASA-CASE-XLA-00492	c 14	N70-34799 * #	NASA-CASE-XLA-02854	c 15	N69-27490 * #	NASA-CASE-XLA-09371	c 10	N71-18724 *
NASA-CASE-XLA-00493	c 11	N70-34786 * #	NASA-CASE-XLA-02865	c 28	N71-15563 #	NASA-CASE-XLA-09480	c 11	N71-33612 *
NASA-CASE-XLA-00495	c 14	N70-41332 * #	NASA-CASE-XLA-02898	c 05	N71-20268 *	NASA-CASE-XLA-09843	c 15	N72-27485 * #
NASA-CASE-XLA-00670	c 08	N71-12501 * #	NASA-CASE-XLA-03076	c 07	N71-11266 * #	NASA-CASE-XLA-09881	c 31	N71-16085 *
NASA-CASE-XLA-00675	c 25	N70-33267 * #	NASA-CASE-XLA-03102	c 14	N71-21079 *	NASA-CASE-XLA-10322	c 15	N72-17452 * #
NASA-CASE-XLA-00678	c 31	N70-34296 * #	NASA-CASE-XLA-03103	c 25	N71-21693 *	NASA-CASE-XLA-10402	c 14	N71-29041 *
NASA-CASE-XLA-00679	c 15	N70-38601 * #	NASA-CASE-XLA-03104	c 06	N71-11235 * #	NASA-CASE-XLA-10450	c 28	N71-21493 *
NASA-CASE-XLA-00686	c 31	N70-34135 * #	NASA-CASE-XLA-03105	c 15	N69-27483 * #	NASA-CASE-XLA-10470	c 15	N72-21489 * #
NASA-CASE-XLA-00711	c 03	N71-12258 * #	NASA-CASE-XLA-03114	c 09	N71-22888 *	NASA-CASE-XLA-10772	c 07	N71-28980 *
NASA-CASE-XLA-00754	c 15	N70-34850 * #	NASA-CASE-XLA-03127	c 11	N71-10776 * #	NASA-CASE-XLA-11028-1	c 24	N74-27035 * #
NASA-CASE-XLA-00755	c 01	N71-13410 * #	NASA-CASE-XLA-03132	c 31	N71-22969 *	NASA-CASE-XLA-11154	c 07	N72-21117 * #
NASA-CASE-XLA-00781	c 09	N71-22999 * #	NASA-CASE-XLA-03135	c 32	N71-16428 *	NASA-CASE-XLA-11189	c 10	N72-20222 * #
NASA-CASE-XLA-00791	c 03	N70-39930 * #	NASA-CASE-XLA-03213	c 05	N71-11207 * #	NASA-CASE-XLA-1349	c 20	N77-17143 * #
NASA-CASE-XLA-00793	c 21	N71-22880 *	NASA-CASE-XLA-03271	c 11	N69-24321 * #	NASA-CASE-XLA-8914-2	c 25	N82-21269 * #
NASA-CASE-XLA-00805	c 31	N70-38010 * #	NASA-CASE-XLA-03273	c 14	N71-18699 *	NASA-CASE-XLA-8914	c 15	N73-12492 * #
NASA-CASE-XLA-00806	c 02	N70-34858 * #	NASA-CASE-XLA-03356	c 10	N71-23315 *	NASA-CASE-XLE-00005	c 28	N70-39899 * #
NASA-CASE-XLA-00832	c 03	N70-36778 * #	NASA-CASE-XLA-03374	c 25	N71-15562 #	NASA-CASE-XLE-00010	c 15	N70-33382 *
NASA-CASE-XLA-00898	c 33	N71-17897 *	NASA-CASE-XLA-03375	c 16	N71-24074 *	NASA-CASE-XLE-00011	c 14	N70-41946 * #
NASA-CASE-XLA-00898	c 02	N70-36804 * #	NASA-CASE-XLA-03410	c 16	N71-25914 *	NASA-CASE-XLE-00020	c 15	N70-33226 *
NASA-CASE-XLA-00901	c 07	N71-10775 * #	NASA-CASE-XLA-03492	c 15	N71-22713 *	NASA-CASE-XLE-00023	c 15	N70-33330 *
NASA-CASE-XLA-00934	c 14	N71-22765 *	NASA-CASE-XLA-03497	c 15	N71-23052 *	NASA-CASE-XLE-00027	c 33	N71-29152 *
NASA-CASE-XLA-00936	c 14	N71-14996 * #	NASA-CASE-XLA-03538	c 15	N71-24897 *	NASA-CASE-XLE-00035	c 33	N71-29151 *
NASA-CASE-XLA-00937	c 31	N71-17691 *	NASA-CASE-XLA-03645	c 14	N71-20430 *	NASA-CASE-XLE-00037	c 28	N70-33372 *
NASA-CASE-XLA-00939	c 11	N71-15926 *	NASA-CASE-XLA-03659	c 02	N71-11041 * #	NASA-CASE-XLE-00046	c 15	N70-33311 *
NASA-CASE-XLA-00941	c 14	N71-23240 *	NASA-CASE-XLA-03660	c 15	N71-21060 *	NASA-CASE-XLE-00057	c 28	N70-38711 * #
NASA-CASE-XLA-01019	c 15	N70-40156 * #	NASA-CASE-XLA-03661	c 15	N71-33518 *	NASA-CASE-XLE-00078	c 28	N70-33284 *
NASA-CASE-XLA-01027	c 31	N71-24035 *	NASA-CASE-XLA-03691	c 31	N71-15674 *	NASA-CASE-XLE-00085	c 28	N70-39895 * #
NASA-CASE-XLA-01043	c 28	N71-10780 * #	NASA-CASE-XLA-03724	c 14	N69-27461 * #	NASA-CASE-XLE-00092	c 15	N70-33264 *
NASA-CASE-XLA-01090	c 07	N71-12389 * #	NASA-CASE-XLA-03893	c 10	N71-27271 *	NASA-CASE-XLE-00101	c 15	N70-33376 *
NASA-CASE-XLA-01090	c 16	N71-28963 #	NASA-CASE-XLA-04063	c 31	N71-33160 *	NASA-CASE-XLE-00103	c 28	N70-33241 *
NASA-CASE-XLA-01091	c 15	N71-10672 * #	NASA-CASE-XLA-04126	c 28	N71-26779 *	NASA-CASE-XLE-01006	c 15	N71-16076 *
NASA-CASE-XLA-01127	c 07	N70-41372 * #	NASA-CASE-XLA-04143	c 15	N71-17687 *	NASA-CASE-XLE-00111	c 28	N70-38199 * #
NASA-CASE-XLA-01131	c 14	N71-10774 * #	NASA-CASE-XLA-04251	c 18	N71-26100 *	NASA-CASE-XLE-00143	c 14	N70-36618 * #
NASA-CASE-XLA-01141	c 15	N71-13789 * #	NASA-CASE-XLA-04295	c 16	N71-24170 *	NASA-CASE-XLE-00144	c 28	N70-34860 * #
NASA-CASE-XLA-01163	c 21	N71-15582 *	NASA-CASE-XLA-04451	c 02	N71-12243 * #	NASA-CASE-XLE-00145	c 28	N70-36806 * #
NASA-CASE-XLA-01219	c 10	N71-23084 *	NASA-CASE-XLA-04555-1	c 14	N71-25892 *	NASA-CASE-XLE-00150	c 28	N70-41818 * #
NASA-CASE-XLA-01220	c 02	N70-41863 * #	NASA-CASE-XLA-04556	c 14	N69-27484 * #	NASA-CASE-XLE-00151	c 17	N70-33283 *
NASA-CASE-XLA-01243	c 33	N71-22792 *	NASA-CASE-XLA-04605	c 32	N71-16106 *	NASA-CASE-XLE-00155	c 28	N71-29154 *
NASA-CASE-XLA-01262	c 15	N71-21404 *	NASA-CASE-XLA-04622	c 03	N70-41580 * #	NASA-CASE-XLE-00164	c 15	N70-36411 * #
NASA-CASE-XLA-01288	c 09	N69-21470 * #	NASA-CASE-XLA-04804	c 31	N71-23008 *	NASA-CASE-XLE-00168	c 11	N70-33278 *
NASA-CASE-XLA-01290	c 02	N70-42016 * #	NASA-CASE-XLA-04897	c 15	N72-22482 * #	NASA-CASE-XLE-00170	c 15	N70-36412 * #
NASA-CASE-XLA-01291	c 33	N70-36617 * #	NASA-CASE-XLA-04901	c 31	N71-24315 *	NASA-CASE-XLE-00177	c 28	N70-40367 * #
NASA-CASE-XLA-01326	c 11	N71-21481 *	NASA-CASE-XLA-04980-2	c 14	N72-28438 *	NASA-CASE-XLE-00207	c 28	N70-33375 *
NASA-CASE-XLA-01332	c 31	N71-15664 * #	NASA-CASE-XLA-04980	c 09	N69-27422 * #	NASA-CASE-XLE-00208	c 28	N70-34294 * #
NASA-CASE-XLA-01339	c 31	N71-15692 *	NASA-CASE-XLA-05056	c 15	N72-11389 *	NASA-CASE-XLE-00209	c 22	N73-32528 * #
NASA-CASE-XLA-01353	c 14	N70-41366 * #	NASA-CASE-XLA-05087	c 14	N73-30391 * #	NASA-CASE-XLE-00212	c 03	N70-34134 * #
NASA-CASE-XLA-01354	c 25	N70-36946 * #	NASA-CASE-XLA-05099	c 09	N73-13209 * #	NASA-CASE-XLE-00222	c 02	N70-37939 * #
NASA-CASE-XLA-01396	c 03	N71-12259 * #	NASA-CASE-XLA-05100	c 15	N71-17696 *	NASA-CASE-XLE-00228	c 17	N70-38490 * #
NASA-CASE-XLA-01400	c 07	N70-41331 * #	NASA-CASE-XLA-05332	c 05	N71-11194 * #	NASA-CASE-XLE-00231	c 17	N70-38198 * #
NASA-CASE-XLA-01401	c 15	N71-21179 *	NASA-CASE-XLA-05369	c 31	N71-15687 *	NASA-CASE-XLE-00243	c 14	N70-38602 * #
NASA-CASE-XLA-01441	c 15	N70-41679 * #	NASA-CASE-XLA-05378	c 11	N71-21475 *	NASA-CASE-XLE-00252	c 11	N70-34844 * #
NASA-CASE-XLA-01446	c 15	N71-21528 *	NASA-CASE-XLA-05464	c 21	N71-14132 * #	NASA-CASE-XLE-00266	c 14	N70-34156 * #
NASA-CASE-XLA-01486	c 01	N71-23497 *	NASA-CASE-XLA-05541	c 12	N71-26387 *	NASA-CASE-XLE-00267	c 28	N70-33356 *
NASA-CASE-XLA-01494	c 15	N71-24164 *	NASA-CASE-XLA-05749	c 15	N71-19569 *	NASA-CASE-XLE-00283	c 17	N70-36616 * #
NASA-CASE-XLA-01530	c 14	N71-23092 *	NASA-CASE-XLA-05828	c 01	N71-13411 * #	NASA-CASE-XLE-00288	c 15	N70-34247 * #
NASA-CASE-XLA-01551	c 14	N71-22989 *	NASA-CASE-XLA-05906	c 31	N71-16221 *	NASA-CASE-XLE-00303	c 15	N70-36535 * #
NASA-CASE-XLA-01552	c 07	N71-11284 * #	NASA-CASE-XLA-05966	c 15	N72-12408 *	NASA-CASE-XLE-00323	c 28	N70-38505 * #
NASA-CASE-XLA-01583	c 02	N70-36825 * #	NASA-CASE-XLA-06095	c 01	N69-39981 * #	NASA-CASE-XLE-00335	c 14	N70-35368 * #
NASA-CASE-XLA-01584	c 14	N71-23269 *	NASA-CASE-XLA-06199	c 15	N71-24875 *	NASA-CASE-XLE-00342	c 28	N70-37980 * #
NASA-CASE-XLA-01731	c 32	N71-21045 *	NASA-CASE-XLA-06232	c 25	N71-20563 #	NASA-CASE-XLE-00345	c 15	N70-38020 * #
NASA-CASE-XLA-01745	c 33	N71-28903 *	NASA-CASE-XLA-06339	c 02	N71-13422 * #	NASA-CASE-XLE-00353	c 18	N70-39897 * #
NASA-CASE-XLA-01781	c 14	N69-39975 * #	NASA-CASE-XLA-06683	c 14	N72-28436 * #	NASA-CASE-XLE-00376	c 28	N70-37245 * #
NASA-CASE-XLA-01782	c 14	N71-26136 *	NASA-CASE-XLA-06713	c 14	N71-28991 *	NASA-CASE-XLE-00387	c 33	N70-34812 * #
NASA-CASE-XLA-01787	c 11	N71-16028 *	NASA-CASE-XLA-06824-2	c 02	N71-11037 * #	NASA-CASE-XLE-00388	c 28	N70-34788 * #
NASA-CASE-XLA-01791	c 14	N71-22991 *	NASA-CASE-XLA-06958	c 02	N71-11038 * #	NASA-CASE-XLE-00397	c 15	N70-36492 * #
NASA-CASE-XLA-01794	c 33	N71-21586 *	NASA-CASE-XLA-07390	c 15	N71-18616 *	NASA-CASE-XLE-00409	c 28	N71-15658 *
NASA-CASE-XLA-01804	c 02	N70-34160 * #	NASA-CASE-XLA-07391	c 12	N71-17579 *	NASA-CASE-XLE-00454	c 23	N71-17802 *
NASA-CASE-XLA-01807	c 15	N71-10799 * #	NASA-CASE-XLA-07424	c 14	N71-18482 *	NASA-CASE-XLE-00455	c 28	N70-38197 * #
NASA-CASE-XLA-01808	c 15	N71-20740 *	NASA-CASE-XLA-07430	c 11	N72-22246 * #	NASA-CASE-XLE-00490	c 33	N70-34545 * #
NASA-CASE-XLA-01832	c 14	N71-21006 *	NASA-CASE-XLA-07473	c 15	N71-24895 *	NASA-CASE-XLE-00503	c 14	N70-34818 * #
NASA-CASE-XLA-01907	c 14	N71-23268 *	NASA-CASE-XLA-07497	c 09	N71-12514 * #	NASA-CASE-XLE-00519	c 28	N70-41576 * #
NASA-CASE-XLA-01926	c 14	N71-15620 * #	NASA-CASE-XLA-07728	c 33	N71-22890 *	NASA-CASE-XLE-00586	c 15	N70-39925 * #
NASA-CASE-XLA-01952	c 08	N71-12507 * #	NASA-CASE-XLA-07732	c 08	N71-18751 * #	NASA-CASE-XLE-00620	c 32	N70-41579 * #
NASA-CASE-XLA-01967	c 31	N70-42015 * #	NASA-CASE-XLA-07788	c 09	N71-29139 *	NASA-CASE-XLE-00660	c 28	N70-39925 * #
NASA-CASE-XLA-01987	c 23	N71-23976 *	NASA-CASE-XLA-07813	c 14	N72-17328 * #	NASA-CASE-XLE-00685	c 28	N70-41992 * #
NASA-CASE-XLA-01989	c 21	N70-34295 * #	NASA-CASE-XLA-07828	c 08	N71-27057 *	NASA-CASE-XLE-00688	c 14	N70-41330 * #
NASA-CASE-XLA-01995	c 18	N71-23047 *	NASA-CASE-XLA-07829	c 15	N72-16329 * #	NASA-CASE-XLE-00690	c 25	N69-39884 * #
NASA-CASE-XLA-02050	c 31	N71-22968 *	NASA-CASE-XLA-07911	c 15	N71-15571 *	NASA-CASE-XLE-00702	c 14	N70-40203 * #
NASA-CASE-XLA-02057	c 26	N70-40015 * #	NASA-CASE-XLA-08254	c 14	N71-26161 *	NASA-CASE-XLE-00703	c 15	N71-15967 *
NASA-CASE-XLA-02079	c 33	N71-24276 *	NASA-CASE-XLA-08491	c 05	N69-21380 * #	NASA-CASE-XLE-00715	c 15	N70-34859 * #
NASA-CASE-XLA-02079	c 12	N71-16894 *	NASA-CASE-XLA-08493	c 10	N71-19421 *	NASA-CASE-XLE-00720	c 14	N70-40201 * #
NASA-CASE-XLA-02081	c 20	N71-16281 *	NASA-CASE-XLA-08507	c 09	N69-39984 * #	NASA-CASE-XLE-00726	c 17	N71-15644 * #
NASA-CASE-XLA-02131	c 32	N70-42003 * #	NASA-CASE-XLA-08530	c 32	N71-25360 *	NASA-CASE-XLE-00785	c 33	N71-16104 *
NASA-CASE-XLA-02132	c 31	N71-10582 * #	NASA-CASE-XLA-08645	c 15	N69-21465 * #	NASA-CASE-XLE-00787	c 14	N71-21090 *
NASA-CASE-XLA-02332	c 32	N71-17609 *	NASA-CASE-XLA-08646	c 14	N71-17586 *	NASA-CASE-XLE-00808	c 24	N71-10560 * #
NASA-CASE-XLA-02551	c 21	N71-21708 *	NASA-CASE-XLA-08799	c 10	N71-27272 *	NASA-CASE-XLE-00810	c 15	N70-34861 * #
NASA-CASE-XLA-02605	c 14	N71-10773 * #	NASA-CASE-XLA-08801-1	c 02	N71-11043 * #	NASA-CASE-XLE-00815	c 28	N70-35407 * #
NASA-CASE-XLA-02609	c 09	N72-25256 * #	NASA-CASE-XLA-08802	c 06	N71-11238 * #	NASA-CASE-XLE-00817	c 15	N70-33265 *
NASA-CASE-XLA-02619	c 10	N71-26334 *	NASA-CASE-XLA-08911	c 15	N71-27214 *	NASA-CASE-XLE-00820	c 14	N71-16014 *
NASA-CASE-XLA-02651	c 28	N70-41967 * #	NASA-CASE-XLA-08913	c 14	N71-28933 *	NASA-CASE-XLE-00953	c 15	N71-15966 * #
NASA-CASE-XLA-02704	c 11	N69-21540 * #	NASA-CASE-XLA-08916-2	c 14	N73-28487 * #	NASA-CASE-XLE-01015	c 03	N69-39898 * #
NASA-CASE-XLA-02705	c 08	N71-15908 *	NASA-CASE-XLA-08916	c 15	N71-29018 *	NASA-CASE-XLE-01092	c 15	N71-22797 *
NASA-CASE-XLA-02758	c 14	N71-18481 *	NASA-CASE-XLA-08966-1	c 17	N71-25903 *	NASA-CASE-XLE-01124	c 28	N71-14043 * #
NASA-CASE-XLA-02809	c 15	N71-22982 *	NASA-CASE-XLA-08967	c 02	N71-27088 *	NASA-CASE-XLE-01182	c 27	N71-15635 *
NASA-CASE-XLA-02810	c 14	N71-25901 *	NASA-CASE-XLA-09122	c 15	N69-27505 * #			

NASA-CASE-XLE-01246	c 14	N71-10797 * #	NASA-CASE-XLE-09475-1	c 33	N71-15568 *	NASA-CASE-XMF-02964	c 14	N71-17659 *
NASA-CASE-XLE-01300	c 15	N70-41993 * #	NASA-CASE-XLE-09527-2	c 15	N71-26189 *	NASA-CASE-XMF-02966	c 10	N71-24863 *
NASA-CASE-XLE-01399	c 33	N71-15625 *	NASA-CASE-XLE-09527	c 15	N71-17688 *	NASA-CASE-XMF-03074	c 06	N71-24740 *
NASA-CASE-XLE-01449	c 15	N70-41646 * #	NASA-CASE-XLE-10326-2	c 15	N72-29488 * #	NASA-CASE-XMF-03169	c 31	N71-15675 *
NASA-CASE-XLE-01481	c 14	N71-10781 * #	NASA-CASE-XLE-10326-4	c 37	N74-15125 * #	NASA-CASE-XMF-03198	c 30	N70-40353 * #
NASA-CASE-XLE-01512	c 12	N70-40124 * #	NASA-CASE-XLE-10337	c 15	N71-24046 *	NASA-CASE-XMF-03212	c 15	N71-22721 *
NASA-CASE-XLE-01533	c 11	N71-10777 * #	NASA-CASE-XLE-103477-1	c 28	N71-20330 *	NASA-CASE-XMF-03248	c 11	N71-10604 * #
NASA-CASE-XLE-01604-2	c 15	N71-15610 * #	NASA-CASE-XLE-10453-2	c 28	N73-27699 * #	NASA-CASE-XMF-03287	c 15	N71-15607 * #
NASA-CASE-XLE-01609	c 14	N71-10500 * #	NASA-CASE-XLE-10466	c 17	N69-25147 * #	NASA-CASE-XMF-03290	c 15	N71-23256 *
NASA-CASE-XLE-01640	c 31	N71-15637 * #	NASA-CASE-XLE-10529	c 14	N69-23191 * #	NASA-CASE-XMF-03498	c 15	N71-15986 *
NASA-CASE-XLE-01645	c 03	N71-20904 *	NASA-CASE-XLE-10715	c 26	N71-23292 *	NASA-CASE-XMF-03511	c 15	N71-22799 *
NASA-CASE-XLE-01716	c 09	N70-40234 * #	NASA-CASE-XLE-10717	c 37	N75-29426 * #	NASA-CASE-XMF-03793	c 15	N71-24833 *
NASA-CASE-XLE-01765	c 18	N71-10772 * #	NASA-CASE-XLE-10910	c 18	N71-29040 *	NASA-CASE-XMF-03844-1	c 14	N71-26474 *
NASA-CASE-XLE-01783	c 28	N70-34175 * #	NASA-CASE-XLE-2529-2	c 36	N75-27364 * #	NASA-CASE-XMF-03856	c 31	N70-34159 * #
NASA-CASE-XLE-01902	c 28	N71-10574 * #	NASA-CASE-XLE-2529-3	c 33	N74-20869 * #	NASA-CASE-XMF-03873	c 06	N69-39733 * #
NASA-CASE-XLE-01903	c 22	N71-23599 *				NASA-CASE-XMF-03934	c 09	N71-22985 *
NASA-CASE-XLE-01988	c 27	N71-15634 *	NASA-CASE-XMF-00148	c 28	N70-38710 * #	NASA-CASE-XMF-03968	c 14	N71-27186 *
NASA-CASE-XLE-01997	c 06	N71-23527 *	NASA-CASE-XMF-00185	c 21	N70-34539 #	NASA-CASE-XMF-03988	c 15	N71-21403 *
NASA-CASE-XLE-02008	c 09	N71-21583 *	NASA-CASE-XMF-00324	c 09	N70-34596 #	NASA-CASE-XMF-04042	c 15	N71-23023 *
NASA-CASE-XLE-02024	c 14	N71-22964 *	NASA-CASE-XMF-00339	c 15	N70-39896 #	NASA-CASE-XMF-04132	c 15	N69-27502 * #
NASA-CASE-XLE-02038	c 09	N71-16086 *	NASA-CASE-XMF-00341	c 15	N70-33323 *	NASA-CASE-XMF-04133	c 06	N71-20717 *
NASA-CASE-XLE-02062-1	c 20	N80-14188 * #	NASA-CASE-XMF-00369	c 09	N70-36494 * #	NASA-CASE-XMF-04134	c 14	N71-23755 *
NASA-CASE-XLE-02066	c 28	N71-15661 * #	NASA-CASE-XMF-00375	c 15	N70-34249 * #	NASA-CASE-XMF-04163	c 02	N71-23007 *
NASA-CASE-XLE-02082	c 17	N71-16026 *	NASA-CASE-XMF-00389	c 31	N70-34176 #	NASA-CASE-XMF-04208	c 33	N71-29051 *
NASA-CASE-XLE-02083	c 03	N69-39983 * #	NASA-CASE-XMF-00392	c 15	N70-34814 #	NASA-CASE-XMF-04237	c 33	N71-16278 *
NASA-CASE-XLE-02367-1	c 31	N79-21225 * #	NASA-CASE-XMF-00411	c 11	N70-36913 #	NASA-CASE-XMF-04238	c 09	N69-39734 * #
NASA-CASE-XLE-02428	c 17	N70-33288 *	NASA-CASE-XMF-00421	c 09	N70-34502 *	NASA-CASE-XMF-04367	c 09	N71-23545 *
NASA-CASE-XLE-02531	c 05	N71-23080 *	NASA-CASE-XMF-00424	c 11	N70-38196 * #	NASA-CASE-XMF-04415	c 14	N71-24693 *
NASA-CASE-XLE-02545-1	c 76	N79-21910 * #	NASA-CASE-XMF-00437	c 07	N70-40202 * #	NASA-CASE-XMF-04494-1	c 33	N79-33392 * #
NASA-CASE-XLE-02578	c 25	N71-20747 *	NASA-CASE-XMF-00442	c 31	N71-10747 * #	NASA-CASE-XMF-04592-1	c 20	N79-21125 * #
NASA-CASE-XLE-02624	c 12	N69-39988 * #	NASA-CASE-XMF-00447	c 14	N70-33179 #	NASA-CASE-XMF-04593-1	c 20	N79-21125 * #
NASA-CASE-XLE-02647	c 18	N71-23658 *	NASA-CASE-XMF-00456	c 14	N70-34705 * #	NASA-CASE-XMF-04680	c 15	N71-19489 *
NASA-CASE-XLE-02792	c 26	N71-10607 * #	NASA-CASE-XMF-00462	c 14	N70-34298 * #	NASA-CASE-XMF-04709	c 15	N71-15609 * #
NASA-CASE-XLE-02798	c 26	N71-23654 *	NASA-CASE-XMF-00479	c 14	N70-34794 * #	NASA-CASE-XMF-04958-1	c 10	N71-26414 *
NASA-CASE-XLE-02823	c 09	N71-23443 *	NASA-CASE-XMF-00480	c 14	N70-39898 #	NASA-CASE-XMF-04966	c 14	N71-17658 *
NASA-CASE-XLE-02824	c 03	N69-39890 * #	NASA-CASE-XMF-00515	c 15	N70-34664 #	NASA-CASE-XMF-05046	c 33	N71-28892 *
NASA-CASE-XLE-02902	c 25	N71-21694 *	NASA-CASE-XMF-00517	c 03	N70-34157 * #	NASA-CASE-XMF-05114-2	c 15	N71-26148 *
NASA-CASE-XLE-02991	c 17	N71-16025 * #	NASA-CASE-XMF-00580	c 11	N70-35383 * #	NASA-CASE-XMF-05114-3	c 15	N71-24865 *
NASA-CASE-XLE-02998	c 14	N70-42074 * #	NASA-CASE-XMF-00640	c 15	N70-39924 * #	NASA-CASE-XMF-05114	c 15	N71-17650 *
NASA-CASE-XLE-02999	c 15	N71-16052 *	NASA-CASE-XMF-00641	c 31	N70-36410 * #	NASA-CASE-XMF-05195	c 10	N71-24861 *
NASA-CASE-XLE-03061-1	c 10	N71-24798 *	NASA-CASE-XMF-00658	c 12	N70-38997 * #	NASA-CASE-XMF-05224	c 14	N71-23726 *
NASA-CASE-XLE-03157	c 28	N71-24736 *	NASA-CASE-XMF-00663	c 08	N71-18752 *	NASA-CASE-XMF-05279	c 18	N71-16124 *
NASA-CASE-XLE-03186-1	c 09	N79-21084 * #	NASA-CASE-XMF-00684	c 21	N71-21688 *	NASA-CASE-XMF-05344	c 31	N71-16345 *
NASA-CASE-XLE-03280	c 14	N71-23093 *	NASA-CASE-XMF-00701	c 09	N70-40272 * #	NASA-CASE-XMF-05373-1	c 33	N79-21264 * #
NASA-CASE-XLE-03307	c 33	N71-14035 * #	NASA-CASE-XMF-00722	c 15	N70-40204 * #	NASA-CASE-XMF-05757-1	c 31	N79-21227 * #
NASA-CASE-XLE-03432	c 33	N71-24145 *	NASA-CASE-XMF-00906	c 09	N70-41655 * #	NASA-CASE-XMF-05835	c 08	N71-12504 * #
NASA-CASE-XLE-03494	c 27	N71-21819 *	NASA-CASE-XMF-00908	c 14	N70-40238 * #	NASA-CASE-XMF-05843	c 03	N71-11055 * #
NASA-CASE-XLE-03512	c 12	N69-21466 * #	NASA-CASE-XMF-00923	c 28	N70-36802 * #	NASA-CASE-XMF-05844	c 14	N71-17587 *
NASA-CASE-XLE-03583	c 31	N71-17629 *	NASA-CASE-XMF-00968	c 28	N71-15660 *	NASA-CASE-XMF-05868	c 26	N75-27125 * #
NASA-CASE-XLE-03629	c 17	N71-23248 *	NASA-CASE-XMF-01016	c 26	N71-17818 *	NASA-CASE-XMF-05882	c 35	N75-27329 * #
NASA-CASE-XLE-03778	c 09	N69-21542 * #	NASA-CASE-XMF-01030	c 18	N70-41583 * #	NASA-CASE-XMF-05941	c 31	N71-23912 *
NASA-CASE-XLE-03803-2	c 15	N71-17651 *	NASA-CASE-XMF-01045	c 15	N70-40354 * #	NASA-CASE-XMF-05964-1	c 20	N79-21124 * #
NASA-CASE-XLE-03803	c 15	N71-23816 *	NASA-CASE-XMF-01049	c 15	N71-23049 *	NASA-CASE-XMF-05999	c 15	N71-29032 *
NASA-CASE-XLE-03804	c 10	N71-19471 *	NASA-CASE-XMF-01083	c 15	N71-22723 *	NASA-CASE-XMF-06053	c 26	N75-27126 * #
NASA-CASE-XLE-03925	c 18	N71-22894 *	NASA-CASE-XMF-01096	c 10	N71-16030 *	NASA-CASE-XMF-06065	c 15	N71-20395 *
NASA-CASE-XLE-03940-2	c 17	N72-28536 * #	NASA-CASE-XMF-01097	c 10	N71-16058 *	NASA-CASE-XMF-06092	c 07	N71-24612 *
NASA-CASE-XLE-03940	c 18	N71-26153 *	NASA-CASE-XMF-01099	c 14	N71-15969 *	NASA-CASE-XMF-06409	c 06	N71-23230 *
NASA-CASE-XLE-04026	c 14	N71-23267 *	NASA-CASE-XMF-01129	c 09	N70-38712 * #	NASA-CASE-XMF-06515	c 14	N71-23227 *
NASA-CASE-XLE-04222	c 23	N71-22881 *	NASA-CASE-XMF-01160	c 07	N71-11298 * #	NASA-CASE-XMF-06519	c 09	N71-12519 * #
NASA-CASE-XLE-04250	c 17	N71-20446 *	NASA-CASE-XMF-01174	c 02	N70-41589 * #	NASA-CASE-XMF-06531	c 14	N71-17575 *
NASA-CASE-XLE-04501	c 09	N71-23190 *	NASA-CASE-XMF-01371	c 15	N70-41829 * #	NASA-CASE-XMF-06589	c 05	N71-23159 *
NASA-CASE-XLE-04503	c 14	N71-24864 *	NASA-CASE-XMF-01402	c 18	N71-21651 *	NASA-CASE-XMF-06617	c 09	N71-24843 *
NASA-CASE-XLE-04526	c 03	N71-11052 * #	NASA-CASE-XMF-01452	c 15	N70-41371 * #	NASA-CASE-XMF-06884-1	c 20	N79-21123 * #
NASA-CASE-XLE-04535	c 03	N71-23354 *	NASA-CASE-XMF-01483	c 14	N69-27431 * #	NASA-CASE-XMF-06888	c 15	N71-24044 *
NASA-CASE-XLE-04599	c 22	N72-20597 * #	NASA-CASE-XMF-01543	c 31	N71-17730 *	NASA-CASE-XMF-06892	c 09	N71-24805 *
NASA-CASE-XLE-04603	c 33	N71-21507 *	NASA-CASE-XMF-01544	c 28	N70-34162 * #	NASA-CASE-XMF-06900-1	c 27	N79-21191 * #
NASA-CASE-XLE-04677	c 15	N71-10577 * #	NASA-CASE-XMF-01598	c 21	N71-15583 *	NASA-CASE-XMF-06926	c 28	N71-22983 *
NASA-CASE-XLE-04787	c 03	N71-20492 *	NASA-CASE-XMF-01599	c 09	N71-20705 *	NASA-CASE-XMF-07069	c 15	N71-23815 *
NASA-CASE-XLE-04788	c 09	N71-22987 *	NASA-CASE-XMF-01667	c 15	N71-17647 *	NASA-CASE-XMF-07488	c 11	N71-18773 *
NASA-CASE-XLE-04791	c 32	N74-22096 * #	NASA-CASE-XMF-01669	c 21	N71-23289 *	NASA-CASE-XMF-07587	c 15	N71-18701 *
NASA-CASE-XLE-04857	c 28	N71-23968 *	NASA-CASE-XMF-01730	c 15	N71-23050 *	NASA-CASE-XMF-07770-2	c 18	N71-26772 *
NASA-CASE-XLE-04946	c 17	N71-24911 *	NASA-CASE-XMF-01772	c 11	N70-41677 * #	NASA-CASE-XMF-07808	c 15	N71-23812 *
NASA-CASE-XLE-05033	c 15	N71-23810 *	NASA-CASE-XMF-01779	c 12	N71-20815 *	NASA-CASE-XMF-08217	c 03	N71-23239 *
NASA-CASE-XLE-05079	c 15	N71-17652 *	NASA-CASE-XMF-01813	c 28	N70-41582 * #	NASA-CASE-XMF-08522	c 15	N71-19486 *
NASA-CASE-XLE-05130-2	c 15	N71-19570 *	NASA-CASE-XMF-01887	c 15	N71-10617 * #	NASA-CASE-XMF-08523	c 31	N71-20396 *
NASA-CASE-XLE-05130	c 15	N69-21362 * #	NASA-CASE-XMF-01892	c 10	N71-22986 *	NASA-CASE-XMF-08651	c 06	N71-11236 * #
NASA-CASE-XLE-05230-2	c 14	N73-13417 * #	NASA-CASE-XMF-01899	c 31	N70-41948 * #	NASA-CASE-XMF-08652	c 06	N71-11243 * #
NASA-CASE-XLE-05230	c 14	N72-27410 * #	NASA-CASE-XMF-01973	c 31	N70-41588 * #	NASA-CASE-XMF-08655	c 06	N71-11239 * #
NASA-CASE-XLE-05260	c 14	N71-20429 *	NASA-CASE-XMF-01974	c 14	N71-22752 *	NASA-CASE-XMF-08656	c 06	N71-11242 * #
NASA-CASE-XLE-05641-1	c 15	N71-26346 *	NASA-CASE-XMF-02039	c 15	N71-15871 *	NASA-CASE-XMF-08665	c 10	N71-19467 *
NASA-CASE-XLE-05689	c 28	N71-15659 *	NASA-CASE-XMF-02107	c 15	N71-10809 * #	NASA-CASE-XMF-08674	c 06	N71-28807 *
NASA-CASE-XLE-05913	c 33	N71-14032 * #	NASA-CASE-XMF-02108	c 31	N70-36845 * #	NASA-CASE-XMF-08804	c 09	N71-24717 *
NASA-CASE-XLE-06094	c 33	N78-17293 * #	NASA-CASE-XMF-02221	c 18	N71-27170 *	NASA-CASE-XMF-09422	c 07	N71-19436 *
NASA-CASE-XLE-06461-2	c 17	N72-28535 * #	NASA-CASE-XMF-02263	c 05	N74-10907 * #	NASA-CASE-XMF-09902	c 15	N72-11387 *
NASA-CASE-XLE-06461	c 17	N72-22530 * #	NASA-CASE-XMF-02303	c 17	N71-23828 *	NASA-CASE-XMF-10040	c 15	N71-22877 *
NASA-CASE-XLE-06773	c 15	N71-23817 *	NASA-CASE-XMF-02307	c 14	N71-10779 * #	NASA-CASE-XMF-10289	c 14	N71-23699 *
NASA-CASE-XLE-06774-2	c 06	N72-25150 * #	NASA-CASE-XMF-02330	c 15	N71-23798 * #	NASA-CASE-XMF-10753	c 06	N71-11237 * #
NASA-CASE-XLE-06969	c 17	N71-24142 *	NASA-CASE-XMF-02392	c 32	N71-24285 *	NASA-CASE-XMF-10968	c 14	N71-24234 *
NASA-CASE-XLE-07087	c 06	N69-39889 * #	NASA-CASE-XMF-02433	c 14	N71-10616 * #	NASA-CASE-XMF-14032	c 20	N71-16340 *
NASA-CASE-XLE-08511-2	c 18	N71-16105 *	NASA-CASE-XMF-02526-1	c 27	N79-21190 * #	NASA-CASE-XMF-14301	c 09	N71-23188 *
NASA-CASE-XLE-08511	c 18	N71-23710 *	NASA-CASE-XMF-02527-1	c 27	N79-21190 * #			
NASA-CASE-XLE-08569-2	c 03	N71-24681 *	NASA-CASE-XMF-02584	c 06	N71-20905 *	NASA-CASE-XMS-00259	c 18	N70-36400 * #
NASA-CASE-XLE-08569	c 03	N71-23449 *	NASA-CASE-XMF-02783-1	c 27	N79-21190 * #	NASA-CASE-XMS-00486	c 33	N70-33344 * #
NASA-CASE-XLE-08917-2	c 15	N71-24836 *	NASA-CASE-XMF-02786	c 17	N71-20743 *	NASA-CASE-XMS-00583	c 28	N70-38504 * #
NASA-CASE-XLE-08917	c 15	N71-15597 * #	NASA-CASE-XMF-02822	c 14	N70-41994 * #	NASA-CASE-XMS-00784	c 05	N71-12335 * #
NASA-CASE-XLE-09341	c 12	N71-28741 *	NASA-CASE-XMF-02853	c 31	N70-36654 * #	NASA-CASE-XMS-00863	c 05	N70-34857 * #

NASA-CASE-XMS-00864	c 05	N70-36493 *	#	NASA-CASE-XMS-06061	c 05	N71-23317 *	NASA-CASE-XNP-01188	c 15	N73-32361 *	#
NASA-CASE-XMS-00893	c 07	N70-40063 *	#	NASA-CASE-XMS-06064	c 05	N71-23096 *	NASA-CASE-XNP-01193	c 10	N71-16057 *	#
NASA-CASE-XMS-00907	c 02	N70-41630 *	#	NASA-CASE-XMS-06162	c 31	N71-28851 *	NASA-CASE-XNP-01263-2	c 15	N71-26312 *	#
NASA-CASE-XMS-00913	c 10	N71-23543 *	#	NASA-CASE-XMS-06236	c 14	N71-21007 *	NASA-CASE-XNP-01296	c 33	N75-27250 *	#
NASA-CASE-XMS-00945	c 09	N71-10798 *	#	NASA-CASE-XMS-06329-1	c 15	N71-20441 *	NASA-CASE-XNP-01306-2	c 09	N71-24596 *	#
NASA-CASE-XMS-01077-1	c 37	N79-33467 *	#	NASA-CASE-XMS-06497	c 14	N71-26244 *	NASA-CASE-XNP-01306	c 07	N71-20814 *	#
NASA-CASE-XMS-01108	c 15	N69-24322 *	#	NASA-CASE-XMS-06740-1	c 07	N71-26579 *	NASA-CASE-XNP-01307	c 21	N70-41856 *	#
NASA-CASE-XMS-01115	c 05	N70-39922 *	#	NASA-CASE-XMS-06761	c 05	N69-23192 *	NASA-CASE-XNP-01310	c 33	N71-28852 *	#
NASA-CASE-XMS-01177	c 05	N71-19440 *	#	NASA-CASE-XMS-06767-17	c 14	N71-20435 *	NASA-CASE-XNP-01311	c 26	N75-29236 *	#
NASA-CASE-XMS-01240	c 05	N70-35152 *	#	NASA-CASE-XMS-06782	c 32	N71-15974 *	NASA-CASE-XNP-01318	c 10	N71-23033 *	#
NASA-CASE-XMS-01244-1	c 33	N79-33393 *	#	NASA-CASE-XMS-06876	c 15	N71-21536 *	NASA-CASE-XNP-01328	c 26	N71-18064 *	#
NASA-CASE-XMS-01295-1	c 37	N79-21345 *	#	NASA-CASE-XMS-06949	c 09	N69-21467 *	NASA-CASE-XNP-01383	c 09	N71-10659 *	#
NASA-CASE-XMS-01315	c 09	N70-41675 *	#	NASA-CASE-XMS-07168	c 07	N71-11300 *	NASA-CASE-XNP-01390	c 28	N70-41275 *	#
NASA-CASE-XMS-01330	c 37	N75-27376 *	#	NASA-CASE-XMS-07487	c 15	N71-23255 *	NASA-CASE-XNP-01412	c 15	N70-42034 *	#
NASA-CASE-XMS-01445	c 12	N71-16031 *	#	NASA-CASE-XMS-07846-1	c 09	N69-21927 *	NASA-CASE-XNP-01458	c 04	N78-17031 *	#
NASA-CASE-XMS-01492	c 05	N70-41297 *	#	NASA-CASE-XMS-08589-1	c 09	N71-20569 *	NASA-CASE-XNP-01464	c 03	N71-10728 *	#
NASA-CASE-XMS-01546	c 14	N70-40233 *	#	NASA-CASE-XMS-09310	c 15	N71-22706 *	NASA-CASE-XNP-01466	c 10	N71-26434 *	#
NASA-CASE-XMS-01554	c 10	N71-10578 *	#	NASA-CASE-XMS-09352	c 09	N71-23316 *	NASA-CASE-XNP-01472	c 14	N70-41807 *	#
NASA-CASE-XMS-01615	c 05	N70-41329 *	#	NASA-CASE-XMS-09571	c 05	N71-19439 *	NASA-CASE-XNP-01501	c 21	N70-41930 *	#
NASA-CASE-XMS-01618	c 14	N71-20741 *	#	NASA-CASE-XMS-09610	c 07	N71-24625 *	NASA-CASE-XNP-01567	c 15	N70-41310 *	#
NASA-CASE-XMS-01620	c 23	N71-15673 *	#	NASA-CASE-XMS-09632-1	c 05	N71-11203 *	NASA-CASE-XNP-01641	c 15	N71-22997 *	#
NASA-CASE-XMS-01624	c 15	N70-40062 *	#	NASA-CASE-XMS-09635	c 05	N71-24623 *	NASA-CASE-XNP-01659	c 14	N71-23039 *	#
NASA-CASE-XMS-01625	c 15	N71-23022 *	#	NASA-CASE-XMS-09636	c 05	N71-12344 *	NASA-CASE-XNP-01660	c 14	N71-23036 *	#
NASA-CASE-XMS-01816	c 33	N71-15623 *	#	NASA-CASE-XMS-09637-1	c 05	N71-24730 *	NASA-CASE-XNP-01735	c 07	N71-22750 *	#
NASA-CASE-XMS-01905	c 12	N71-21089 *	#	NASA-CASE-XMS-09652-1	c 05	N71-26333 *	NASA-CASE-XNP-01747	c 15	N71-23024 *	#
NASA-CASE-XMS-01906	c 31	N70-41373 *	#	NASA-CASE-XMS-09653	c 54	N78-17680 *	NASA-CASE-XNP-01749	c 27	N70-41897 *	#
NASA-CASE-XMS-01991	c 09	N71-21449 *	#	NASA-CASE-XMS-09690	c 33	N72-25913 *	NASA-CASE-XNP-01753	c 08	N71-22897 *	#
NASA-CASE-XMS-01994-1	c 14	N72-17326 *	#	NASA-CASE-XMS-09691-1	c 18	N71-15545 *	NASA-CASE-XNP-01848	c 15	N71-28959 *	#
NASA-CASE-XMS-02009	c 33	N71-20834 *	#	NASA-CASE-XMS-10269	c 05	N71-24147 *	NASA-CASE-XNP-01855	c 15	N71-28937 *	#
NASA-CASE-XMS-02063	c 03	N71-29044 *	#	NASA-CASE-XMS-10660-1	c 15	N71-25975 *	NASA-CASE-XNP-01951	c 09	N70-41929 *	#
NASA-CASE-XMS-02087	c 09	N70-41717 *	#	NASA-CASE-XMS-10984-1	c 10	N71-19417 *	NASA-CASE-XNP-01954	c 28	N71-28850 *	#
NASA-CASE-XMS-02159	c 10	N71-22961 *	#	NASA-CASE-XMS-10993	c 15	N71-28936 *	NASA-CASE-XNP-01959	c 26	N71-23043 *	#
NASA-CASE-XMS-02182	c 10	N71-28783 *	#	NASA-CASE-XMS-12158-1	c 31	N69-27499 *	NASA-CASE-XNP-01960	c 09	N71-23027 *	#
NASA-CASE-XMS-02184	c 15	N71-20813 *	#	NASA-CASE-XMS-13052	c 14	N71-20427 *	NASA-CASE-XNP-01961	c 26	N71-29156 *	#
NASA-CASE-XMS-02383	c 15	N71-15918 *	#				NASA-CASE-XNP-01962	c 32	N70-41370 *	#
NASA-CASE-XMS-02399	c 05	N71-22896 *	#	NASA-CASE-XNP-00214	c 15	N70-36908 *	NASA-CASE-XNP-02029	c 14	N70-41955 *	#
NASA-CASE-XMS-02532	c 15	N70-41808 *	#	NASA-CASE-XNP-00217	c 28	N70-38181 *	NASA-CASE-XNP-02092	c 15	N70-42033 *	#
NASA-CASE-XMS-02677	c 31	N70-42075 *	#	NASA-CASE-XNP-00234	c 28	N70-38645 *	NASA-CASE-XNP-02139	c 18	N71-24184 *	#
NASA-CASE-XMS-02744	c 33	N75-27249 *	#	NASA-CASE-XNP-00249	c 28	N70-38249 *	NASA-CASE-XNP-02140	c 09	N71-23097 *	#
NASA-CASE-XMS-02872	c 05	N69-21925 *	#	NASA-CASE-XNP-00250	c 11	N71-28779 *	NASA-CASE-XNP-02251	c 12	N71-20896 *	#
NASA-CASE-XMS-02930	c 11	N71-23042 *	#	NASA-CASE-XNP-00294	c 21	N70-36938 *	NASA-CASE-XNP-02278	c 15	N71-28951 *	#
NASA-CASE-XMS-02952	c 18	N71-20742 *	#	NASA-CASE-XNP-00384	c 09	N71-13530 *	NASA-CASE-XNP-02340	c 23	N69-24332 *	#
NASA-CASE-XMS-02977	c 11	N71-10746 *	#	NASA-CASE-XNP-00416	c 15	N70-36947 *	NASA-CASE-XNP-02341	c 15	N71-21531 *	#
NASA-CASE-XMS-03252	c 15	N71-10658 *	#	NASA-CASE-XNP-00425	c 11	N70-38202 *	NASA-CASE-XNP-02389	c 07	N71-28900 *	#
NASA-CASE-XMS-03371	c 05	N70-42000 *	#	NASA-CASE-XNP-00431	c 09	N70-38998 *	NASA-CASE-XNP-02500	c 18	N71-27397 *	#
NASA-CASE-XMS-03454	c 09	N71-20658 *	#	NASA-CASE-XNP-00442	c 08	N70-35423 *	NASA-CASE-XNP-02507	c 31	N71-17679 *	#
NASA-CASE-XMS-03537	c 15	N69-21471 *	#	NASA-CASE-XNP-00438	c 21	N70-35089 *	NASA-CASE-XNP-02588	c 15	N71-18613 *	#
NASA-CASE-XMS-03542	c 09	N71-28926 *	#	NASA-CASE-XNP-00449	c 14	N70-35220 *	NASA-CASE-XNP-02592	c 24	N71-20518 *	#
NASA-CASE-XMS-03613	c 31	N71-16346 *	#	NASA-CASE-XNP-00450	c 15	N70-38603 *	NASA-CASE-XNP-02595	c 31	N71-21881 *	#
NASA-CASE-XMS-03694-1	c 54	N82-29002 *	#	NASA-CASE-XNP-00459	c 11	N70-38675 *	NASA-CASE-XNP-02654	c 10	N70-42032 *	#
NASA-CASE-XMS-03700	c 15	N69-24266 *	#	NASA-CASE-XNP-00463	c 33	N70-36847 *	NASA-CASE-XNP-02713	c 10	N69-39888 *	#
NASA-CASE-XMS-03722	c 15	N71-21530 *	#	NASA-CASE-XNP-00465	c 21	N70-35395 *	NASA-CASE-XNP-02723	c 07	N70-41680 *	#
NASA-CASE-XMS-03745	c 15	N71-21076 *	#	NASA-CASE-XNP-00476	c 15	N70-38620 *	NASA-CASE-XNP-02748	c 08	N71-22749 *	#
NASA-CASE-XMS-03792	c 14	N70-41812 *	#	NASA-CASE-XNP-00477	c 08	N73-28045 *	NASA-CASE-XNP-02778	c 08	N71-22710 *	#
NASA-CASE-XMS-04061-1	c 09	N69-39885 *	#	NASA-CASE-XNP-00540	c 09	N70-35382 *	NASA-CASE-XNP-02791	c 07	N71-23026 *	#
NASA-CASE-XMS-04072	c 15	N70-42017 *	#	NASA-CASE-XNP-00595	c 15	N70-34967 *	NASA-CASE-XNP-02792	c 14	N71-28958 *	#
NASA-CASE-XMS-04142	c 31	N70-41631 *	#	NASA-CASE-XNP-00597	c 18	N71-23088 *	NASA-CASE-XNP-02839	c 28	N70-41922 *	#
NASA-CASE-XMS-04170	c 05	N71-22748 *	#	NASA-CASE-XNP-00610	c 28	N70-36910 *	NASA-CASE-XNP-02862-1	c 15	N71-26294 *	#
NASA-CASE-XMS-04178	c 15	N71-22798 *	#	NASA-CASE-XNP-00611	c 09	N70-35219 *	NASA-CASE-XNP-02888	c 18	N71-21068 *	#
NASA-CASE-XMS-04201	c 14	N71-22990 *	#	NASA-CASE-XNP-00612	c 11	N70-38182 *	NASA-CASE-XNP-02899-1	c 33	N79-21265 *	#
NASA-CASE-XMS-04212-1	c 05	N71-12346 *	#	NASA-CASE-XNP-00614	c 14	N70-36907 *	NASA-CASE-XNP-02923	c 28	N71-23081 *	#
NASA-CASE-XMS-04213-1	c 09	N71-26002 *	#	NASA-CASE-XNP-00637	c 14	N70-40273 *	NASA-CASE-XNP-02982	c 31	N70-41855 *	#
NASA-CASE-XMS-04215-1	c 09	N69-39987 *	#	NASA-CASE-XNP-00644	c 03	N70-36803 *	NASA-CASE-XNP-02983	c 14	N71-21091 *	#
NASA-CASE-XMS-04268	c 33	N71-16277 *	#	NASA-CASE-XNP-00646	c 14	N70-35666 *	NASA-CASE-XNP-03063	c 17	N71-23365 *	#
NASA-CASE-XMS-04269	c 16	N71-22895 *	#	NASA-CASE-XNP-00650	c 27	N71-28929 *	NASA-CASE-XNP-03128	c 10	N70-41991 *	#
NASA-CASE-XMS-04292	c 15	N71-22722 *	#	NASA-CASE-XNP-00676	c 15	N70-38996 *	NASA-CASE-XNP-03134	c 07	N71-10676 *	#
NASA-CASE-XMS-04300	c 09	N71-19479 *	#	NASA-CASE-XNP-00683	c 09	N70-35425 *	NASA-CASE-XNP-03250	c 06	N71-23500 *	#
NASA-CASE-XMS-04312	c 07	N71-22984 *	#	NASA-CASE-XNP-00708	c 14	N70-35394 *	NASA-CASE-XNP-03263	c 09	N71-18843 *	#
NASA-CASE-XMS-04318	c 15	N69-27871 *	#	NASA-CASE-XNP-00710	c 15	N71-10778 *	NASA-CASE-XNP-03282	c 28	N72-20758 *	#
NASA-CASE-XMS-04390	c 31	N70-41871 *	#	NASA-CASE-XNP-00732	c 28	N70-41447 *	NASA-CASE-XNP-03332	c 09	N71-10618 *	#
NASA-CASE-XMS-04533	c 15	N71-23086 *	#	NASA-CASE-XNP-00733	c 06	N70-34946 *	NASA-CASE-XNP-03378	c 03	N71-11051 *	#
NASA-CASE-XMS-04545	c 15	N71-22878 *	#	NASA-CASE-XNP-00738	c 09	N70-38201 *	NASA-CASE-XNP-03413	c 03	N71-26726 *	#
NASA-CASE-XMS-04625	c 05	N71-20718 *	#	NASA-CASE-XNP-00745	c 10	N71-28960 *	NASA-CASE-XNP-03459-2	c 18	N71-15688 *	#
NASA-CASE-XMS-04670	c 54	N78-17678 *	#	NASA-CASE-XNP-00746	c 07	N71-21476 *	NASA-CASE-XNP-03459	c 15	N71-21078 *	#
NASA-CASE-XMS-04798	c 11	N71-21474 *	#	NASA-CASE-XNP-00748	c 07	N70-36911 *	NASA-CASE-XNP-03578	c 11	N71-23030 *	#
NASA-CASE-XMS-04826	c 28	N71-28849 *	#	NASA-CASE-XNP-00777	c 10	N71-19469 *	NASA-CASE-XNP-03623	c 09	N73-28084 *	#
NASA-CASE-XMS-04843	c 03	N69-21469 *	#	NASA-CASE-XNP-00816	c 28	N71-28928 *	NASA-CASE-XNP-03637	c 15	N71-21311 *	#
NASA-CASE-XMS-04890-1	c 15	N70-22192 *	#	NASA-CASE-XNP-00826	c 03	N71-20895 *	NASA-CASE-XNP-03692	c 28	N71-24321 *	#
NASA-CASE-XMS-04917	c 14	N69-24257 *	#	NASA-CASE-XNP-00840	c 15	N70-38225 *	NASA-CASE-XNP-03744	c 10	N71-20448 *	#
NASA-CASE-XMS-04919	c 09	N71-23270 *	#	NASA-CASE-XNP-00876	c 28	N70-41311 *	NASA-CASE-XNP-03796	c 23	N71-15467 *	#
NASA-CASE-XMS-04928	c 54	N78-17679 *	#	NASA-CASE-XNP-00911	c 08	N70-41961 *	NASA-CASE-XNP-03835	c 06	N71-23499 *	#
NASA-CASE-XMS-04935	c 05	N71-11190 *	#	NASA-CASE-XNP-00920	c 15	N71-15906 *	NASA-CASE-XNP-03853	c 23	N71-21882 *	#
NASA-CASE-XMS-05303	c 07	N69-27462 *	#	NASA-CASE-XNP-00952	c 10	N71-23271 *	NASA-CASE-XNP-03878	c 26	N75-27127 *	#
NASA-CASE-XMS-05304	c 05	N71-12336 *	#	NASA-CASE-XNP-01012	c 08	N71-28925 *	NASA-CASE-XNP-03914	c 21	N71-10771 *	#
NASA-CASE-XMS-05307	c 09	N69-24330 *	#	NASA-CASE-XNP-01020	c 03	N71-12260 *	NASA-CASE-XNP-03916	c 09	N71-28810 *	#
NASA-CASE-XMS-05365	c 14	N71-22993 *	#	NASA-CASE-XNP-01056	c 14	N71-23041 *	NASA-CASE-XNP-03918	c 14	N71-23087 *	#
NASA-CASE-XMS-05454-1	c 07	N71-12391 *	#	NASA-CASE-XNP-01057	c 07	N71-15907 *	NASA-CASE-XNP-03930	c 14	N69-24331 *	#
NASA-CASE-XMS-05516	c 15	N71-17803 *	#	NASA-CASE-XNP-01058	c 09	N71-12540 *	NASA-CASE-XNP-03972	c 15	N71-23048 *	#
NASA-CASE-XMS-05562-1	c 09	N69-39986 *	#	NASA-CASE-XNP-01059	c 23	N71-21821 *	NASA-CASE-XNP-04023	c 06	N71-28808 *	#
NASA-CASE-XMS-05605-1	c 10	N71-19468 *	#	NASA-CASE-XNP-01068	c 10	N71-28739 *	NASA-CASE-XNP-04067	c 08	N71-22707 *	#
NASA-CASE-XMS-05731	c 35	N75-29382 *	#	NASA-CASE-XNP-01104	c 28	N70-39931 *	NASA-CASE-XNP-04111	c 14	N71-15622 *	#
NASA-CASE-XMS-05890	c 09	N71-23191 *	#	NASA-CASE-XNP-01107	c 10	N71-28859 *	NASA-CASE-XNP-04124	c 28	N71-21822 *	#
NASA-CASE-XMS-05894-1	c 15	N69-21924 *	#	NASA-CASE-XNP-01152	c 15	N70-41811 *	NASA-CASE-XNP-04148	c 17	N71-24830 *	#
NASA-CASE-XMS-05909-1	c 14	N69-27459 *	#	NASA-CASE-XNP-01153	c 32	N71-17645 *	NASA-CASE-XNP-04161	c 14	N71-15599 *	#
NASA-CASE-XMS-05936	c 14	N70-41682 *	#	NASA-CASE-XNP-01185	c 26	N73-28710 *	NASA-CASE-XNP-04162-1	c 08	N70-34675 *	#
NASA-CASE-XMS-06056-1	c 23	N71-24857 *	#	NASA-CASE-XNP-01187	c 15	N73-28516 *	NASA-CASE-XNP-04167-2	c 25	N72-24753 *	#

NASA-CASE-XNP-04167-3	c 36	N77-19416	#	NASA-CASE-XNP-09750	c 14	N69-39937	#	US-PATENT-APPL-SN-046739	c 54	N81-24724	#
NASA-CASE-XNP-04180	c 07	N69-39736	#	NASA-CASE-XNP-09752	c 14	N69-21541	#	US-PATENT-APPL-SN-051269	c 33	N81-24338	#
NASA-CASE-XNP-04183	c 09	N69-24329	#	NASA-CASE-XNP-09755	c 46	N74-23069	#	US-PATENT-APPL-SN-051270	c 32	N80-32604	#
NASA-CASE-XNP-04231	c 14	N73-32325	#	NASA-CASE-XNP-09759	c 08	N71-24891	#	US-PATENT-APPL-SN-051271	c 33	N81-26359	#
NASA-CASE-XNP-04262-2	c 17	N71-26773	#	NASA-CASE-XNP-09763	c 14	N71-20461	#	US-PATENT-APPL-SN-051274	c 34	N81-26402	#
NASA-CASE-XNP-04264	c 03	N69-21337	#	NASA-CASE-XNP-09768	c 09	N71-12516	#	US-PATENT-APPL-SN-051275	c 44	N82-26460	#
NASA-CASE-XNP-04338	c 17	N71-23046	#	NASA-CASE-XNP-09770-2	c 15	N72-22483	#	US-PATENT-APPL-SN-051276	c 33	N81-33404	#
NASA-CASE-XNP-04339	c 17	N71-29137	#	NASA-CASE-XNP-09770-3	c 11	N71-27036	#	US-PATENT-APPL-SN-053566	c 09	N82-24212	#
NASA-CASE-XNP-04389	c 28	N71-20942	#	NASA-CASE-XNP-09770	c 15	N71-20440	#	US-PATENT-APPL-SN-053569	c 35	N81-19426	#
NASA-CASE-XNP-04623	c 10	N71-26103	#	NASA-CASE-XNP-09771	c 09	N71-24841	#	US-PATENT-APPL-SN-053571	c 31	N81-19343	#
NASA-CASE-XNP-04731	c 15	N71-24042	#	NASA-CASE-XNP-09775	c 09	N71-20445	#	US-PATENT-APPL-SN-053572	c 32	N82-23376	#
NASA-CASE-XNP-04732	c 09	N71-20851	#	NASA-CASE-XNP-09776	c 09	N69-39929	#	US-PATENT-APPL-SN-053652	c 33	N82-18494	#
NASA-CASE-XNP-04758	c 03	N71-24605	#	NASA-CASE-XNP-09785	c 08	N69-21928	#	US-PATENT-APPL-SN-054501	c 23	N82-16174	#
NASA-CASE-XNP-04780	c 08	N71-19687	#	NASA-CASE-XNP-09802	c 33	N71-15641	#	US-PATENT-APPL-SN-057465	c 37	N81-17433	#
NASA-CASE-XNP-04816	c 06	N69-39936	#	NASA-CASE-XNP-09808	c 09	N71-12518	#	US-PATENT-APPL-SN-057466	c 71	N81-15767	#
NASA-CASE-XNP-04817	c 14	N71-23225	#	NASA-CASE-XNP-09830	c 14	N71-26266	#	US-PATENT-APPL-SN-057526	c 52	N81-25662	#
NASA-CASE-XNP-04819	c 08	N71-23295	#	NASA-CASE-XNP-09832	c 30	N71-23723	#	US-PATENT-APPL-SN-060435	c 44	N81-24520	#
NASA-CASE-XNP-04969	c 11	N69-27466	#	NASA-CASE-XNP-10007-1	c 46	N74-23068	#	US-PATENT-APPL-SN-100407	c 07	N82-32366	#
NASA-CASE-XNP-05082	c 15	N70-41960	#	NASA-CASE-XNP-10475	c 15	N71-24679	#	US-PATENT-APPL-SN-061927	c 32	N83-13323	#
NASA-CASE-XNP-05219	c 16	N71-15550	#	NASA-CASE-XNP-10830	c 07	N71-11281	#	US-PATENT-APPL-SN-061555	c 44	N81-29524	#
NASA-CASE-XNP-05231	c 14	N73-28491	#	NASA-CASE-XNP-10843	c 07	N71-11267	#	US-PATENT-APPL-SN-061556	c 35	N81-19427	#
NASA-CASE-XNP-05254	c 07	N71-20791	#	NASA-CASE-XNP-10854	c 10	N71-26331	#	US-PATENT-APPL-SN-061822	c 74	N83-19597	#
NASA-CASE-XNP-05297	c 15	N71-23811	#					US-PATENT-APPL-SN-065676	c 35	N80-18364	#
NASA-CASE-XNP-05381	c 09	N71-20842	#	NASA-TM-76884	c 24	N85-25436	#	US-PATENT-APPL-SN-065676	c 44	N81-12542	#
NASA-CASE-XNP-05382	c 10	N71-23544	#					US-PATENT-APPL-SN-067595	c 08	N82-24205	#
NASA-CASE-XNP-05415	c 08	N71-12505	#	US-PATENT-APPL-SN-003693	c 52	N81-14612	#	US-PATENT-APPL-SN-067596	c 51	N81-28698	#
NASA-CASE-XNP-05429	c 26	N71-21824	#	US-PATENT-APPL-SN-006952	c 27	N81-14077	#	US-PATENT-APPL-SN-069485	c 33	N82-24420	#
NASA-CASE-XNP-05524	c 33	N71-24876	#	US-PATENT-APPL-SN-007083	c 26	N80-32484	#	US-PATENT-APPL-SN-070366	c 35	N82-11431	#
NASA-CASE-XNP-05530	c 14	N73-32321	#	US-PATENT-APPL-SN-008207	c 37	N80-23524	#	US-PATENT-APPL-SN-070771	c 27	N81-17260	#
NASA-CASE-XNP-05535	c 14	N71-23040	#	US-PATENT-APPL-SN-008208	c 32	N81-17432	#	US-PATENT-APPL-SN-070774	c 33	N82-26571	#
NASA-CASE-XNP-05612	c 09	N69-21468	#	US-PATENT-APPL-SN-008209	c 32	N81-25278	#	US-PATENT-APPL-SN-072857	c 24	N82-32417	#
NASA-CASE-XNP-05634	c 15	N71-24834	#	US-PATENT-APPL-SN-008210	c 05	N81-26114	#	US-PATENT-APPL-SN-073477	c 36	N82-32712	#
NASA-CASE-XNP-05634	c 03	N71-11056	#	US-PATENT-APPL-SN-008211	c 74	N81-17887	#	US-PATENT-APPL-SN-073579	c 33	N82-24415	#
NASA-CASE-XNP-05628	c 15	N69-23185	#	US-PATENT-APPL-SN-008212	c 44	N80-24741	#	US-PATENT-APPL-SN-076643	c 32	N81-29308	#
NASA-CASE-XNP-06028	c 09	N71-23189	#	US-PATENT-APPL-SN-009886	c 31	N80-32583	#	US-PATENT-APPL-SN-078521	c 32	N81-14186	#
NASA-CASE-XNP-06031	c 15	N71-15606	#	US-PATENT-APPL-SN-009887	c 28	N81-14103	#	US-PATENT-APPL-SN-078611	c 04	N81-21047	#
NASA-CASE-XNP-06032	c 09	N69-21926	#	US-PATENT-APPL-SN-009888	c 37	N81-14320	#	US-PATENT-APPL-SN-078612	c 46	N82-12685	#
NASA-CASE-XNP-06234	c 10	N71-27137	#	US-PATENT-APPL-SN-009889	c 33	N79-17134	#	US-PATENT-APPL-SN-079913	c 05	N82-28279	#
NASA-CASE-XNP-06503	c 23	N71-29049	#	US-PATENT-APPL-SN-009889	c 33	N81-27396	#	US-PATENT-APPL-SN-088663	c 28	N82-18401	#
NASA-CASE-XNP-06505	c 10	N71-24799	#	US-PATENT-APPL-SN-011737	c 27	N81-14078	#	US-PATENT-APPL-SN-089779	c 26	N81-25188	#
NASA-CASE-XNP-06506	c 03	N71-11050	#	US-PATENT-APPL-SN-014663	c 31	N81-25259	#	US-PATENT-APPL-SN-090584	c 74	N81-19896	#
NASA-CASE-XNP-06507	c 09	N71-23548	#	US-PATENT-APPL-SN-014664	c 44	N81-14389	#	US-PATENT-APPL-SN-091714	c 28	N70-38711	#
NASA-CASE-XNP-06508	c 18	N69-39895	#	US-PATENT-APPL-SN-015983	c 02	N80-28300	#	US-PATENT-APPL-SN-092141	c 27	N81-29229	#
NASA-CASE-XNP-06509	c 14	N71-23226	#	US-PATENT-APPL-SN-015995	c 08	N81-26152	#	US-PATENT-APPL-SN-092142	c 27	N82-11206	#
NASA-CASE-XNP-06510	c 14	N71-23797	#	US-PATENT-APPL-SN-015996	c 08	N81-24106	#	US-PATENT-APPL-SN-092143	c 32	N82-18443	#
NASA-CASE-XNP-06611	c 07	N71-26102	#	US-PATENT-APPL-SN-017885	c 32	N79-19195	#	US-PATENT-APPL-SN-092145	c 37	N82-12442	#
NASA-CASE-XNP-06914	c 15	N71-21489	#	US-PATENT-APPL-SN-017886	c 33	N81-33405	#	US-PATENT-APPL-SN-093714	c 44	N81-29525	#
NASA-CASE-XNP-06933	c 14	N73-32321	#	US-PATENT-APPL-SN-017887	c 33	N81-26358	#	US-PATENT-APPL-SN-095217	c 74	N81-19898	#
NASA-CASE-XNP-06936	c 15	N71-24695	#	US-PATENT-APPL-SN-017888	c 51	N80-16715	#	US-PATENT-APPL-SN-096255	c 37	N80-18400	#
NASA-CASE-XNP-06937	c 09	N71-19516	#	US-PATENT-APPL-SN-017889	c 02	N84-28732	#	US-PATENT-APPL-SN-096255	c 37	N82-19540	#
NASA-CASE-XNP-06942	c 28	N71-23293	#	US-PATENT-APPL-SN-017890	c 33	N81-15192	#	US-PATENT-APPL-SN-096257	c 33	N82-24490	#
NASA-CASE-XNP-06957	c 14	N71-21088	#	US-PATENT-APPL-SN-019541	c 02	N81-14968	#	US-PATENT-APPL-SN-098568	c 37	N82-11357	#
NASA-CASE-XNP-07040	c 08	N71-12500	#	US-PATENT-APPL-SN-023436	c 07	N80-32392	#	US-PATENT-APPL-SN-098569	c 44	N82-16474	#
NASA-CASE-XNP-07169	c 15	N73-32362	#	US-PATENT-APPL-SN-023437	c 62	N81-24779	#	US-PATENT-APPL-SN-098570	c 44	N82-18686	#
NASA-CASE-XNP-07477	c 09	N71-26092	#	US-PATENT-APPL-SN-023439	c 54	N79-20746	#	US-PATENT-APPL-SN-100611	c 37	N82-32732	#
NASA-CASE-XNP-07478	c 14	N69-21923	#	US-PATENT-APPL-SN-023439	c 37	N81-27519	#	US-PATENT-APPL-SN-100637	c 37	N75-18574	#
NASA-CASE-XNP-07481	c 25	N69-21929	#	US-PATENT-APPL-SN-023484	c 33	N81-20352	#	US-PATENT-APPL-SN-100639	c 14	N72-32452	#
NASA-CASE-XNP-07659	c 06	N71-22975	#	US-PATENT-APPL-SN-023485	c 33	N82-24418	#	US-PATENT-APPL-SN-100774	c 06	N72-25151	#
NASA-CASE-XNP-08124-2	c 06	N73-13129	#	US-PATENT-APPL-SN-023501	c 26	N80-28492	#	US-PATENT-APPL-SN-100774	c 06	N73-32030	#
NASA-CASE-XNP-08124	c 15	N71-27184	#	US-PATENT-APPL-SN-025163	c 35	N81-14287	#	US-PATENT-APPL-SN-100996	c 38	N73-13187	#
NASA-CASE-XNP-08274	c 10	N71-13537	#	US-PATENT-APPL-SN-025163	c 74	N80-33210	#	US-PATENT-APPL-SN-101029	c 01	N70-38676	#
NASA-CASE-XNP-08567	c 09	N71-26000	#	US-PATENT-APPL-SN-025301	c 07	N82-26293	#	US-PATENT-APPL-SN-101214	c 14	N73-26430	#
NASA-CASE-XNP-08680	c 14	N71-22995	#	US-PATENT-APPL-SN-027557	c 27	N81-19296	#	US-PATENT-APPL-SN-101354	c 10	N73-16205	#
NASA-CASE-XNP-08832	c 08	N71-12506	#	US-PATENT-APPL-SN-027558	c 36	N81-24422	#	US-PATENT-APPL-SN-101611	c 33	N72-20915	#
NASA-CASE-XNP-08835-1	c 37	N80-14395	#	US-PATENT-APPL-SN-027559	c 44	N81-17518	#	US-PATENT-APPL-SN-102001	c 36	N82-16396	#
NASA-CASE-XNP-08836	c 09	N71-12515	#	US-PATENT-APPL-SN-028300	c 27	N81-17259	#	US-PATENT-APPL-SN-102002	c 18	N81-29152	#
NASA-CASE-XNP-08837	c 18	N71-16210	#	US-PATENT-APPL-SN-028301	c 27	N81-17262	#	US-PATENT-APPL-SN-102003	c 26	N82-29415	#
NASA-CASE-XNP-08840	c 23	N71-16365	#	US-PATENT-APPL-SN-028301	c 27	N81-24256	#	US-PATENT-APPL-SN-102003	c 26	N82-30371	#
NASA-CASE-XNP-08875	c 10	N71-23099	#	US-PATENT-APPL-SN-028301	c 27	N82-24338	#	US-PATENT-APPL-SN-102004	c 37	N81-26447	#
NASA-CASE-XNP-08876	c 17	N73-28573	#	US-PATENT-APPL-SN-030831	c 25	N82-23282	#	US-PATENT-APPL-SN-102412	c 25	N72-33696	#
NASA-CASE-XNP-08877	c 15	N71-23025	#	US-PATENT-APPL-SN-032305	c 15	N82-24272	#	US-PATENT-APPL-SN-102593	c 37	N82-16408	#
NASA-CASE-XNP-08880	c 09	N71-24808	#	US-PATENT-APPL-SN-032307	c 44	N81-24519	#	US-PATENT-APPL-SN-103077	c 25	N72-32688	#
NASA-CASE-XNP-08881	c 17	N71-28747	#	US-PATENT-APPL-SN-034104	c 08	N81-19130	#	US-PATENT-APPL-SN-103078	c 15	N73-12486	#
NASA-CASE-XNP-08882	c 15	N69-39935	#	US-PATENT-APPL-SN-034531	c 52	N81-28740	#	US-PATENT-APPL-SN-103091	c 37	N74-23070	#
NASA-CASE-XNP-08883	c 23	N71-16101	#	US-PATENT-APPL-SN-037066	c 25	N81-14016	#	US-PATENT-APPL-SN-103229	c 14	N72-22439	#
NASA-CASE-XNP-08897	c 15	N71-17694	#	US-PATENT-APPL-SN-037072	c 31	N81-33319	#	US-PATENT-APPL-SN-103230	c 15	N73-14468	#
NASA-CASE-XNP-08907	c 23	N71-29123	#	US-PATENT-APPL-SN-037194	c 37	N84-28081	#	US-PATENT-APPL-SN-103231	c 09	N72-25251	#
NASA-CASE-XNP-08961	c 14	N71-24809	#	US-PATENT-APPL-SN-037560	c 74	N81-29963	#	US-PATENT-APPL-SN-103551	c 31	N73-14854	#
NASA-CASE-XNP-09205	c 14	N71-17657	#	US-PATENT-APPL-SN-038550	c 33	N83-18996	#	US-PATENT-APPL-SN-103836	c 37	N80-18402	#
NASA-CASE-XNP-09225	c 09	N69-24333	#	US-PATENT-APPL-SN-038980	c 07	N81-14999	#	US-PATENT-APPL-SN-103836	c 37	N81-24443	#
NASA-CASE-XNP-09227	c 15	N69-24319	#	US-PATENT-APPL-SN-039031	c 32	N80-28578	#	US-PATENT-APPL-SN-104047	c 15	N72-31483	#
NASA-CASE-XNP-09228	c 09	N69-27500	#	US-PATENT-APPL-SN-041141	c 36	N82-13415	#	US-PATENT-APPL-SN-104048	c 31	N73-14855	#
NASA-CASE-XNP-09450	c 10	N71-18723	#	US-PATENT-APPL-SN-041142	c 32	N81-15179	#	US-PATENT-APPL-SN-104187	c 14	N70-36618	#
NASA-CASE-XNP-09451	c 06	N71-26754	#	US-PATENT-APPL-SN-041143	c 60	N83-25378	#	US-PATENT-APPL-SN-104188	c 09	N70-34819	#
NASA-CASE-XNP-09452	c 15	N69-27504	#	US-PATENT-APPL-SN-041145	c 25	N82-12166	#	US-PATENT-APPL-SN-104346	c 14	N73-28488	#
NASA-CASE-XNP-09453	c 08	N71-19420	#	US-PATENT-APPL-SN-041164	c 33	N81-19392	#	US-PATENT-APPL-SN-104884	c 15	N72-33476	#
NASA-CASE-XNP-09461	c 28	N72-23809	#	US-PATENT-APPL-SN-043911	c 05	N82-28277	#	US-PATENT-APPL-SN-104885	c 14	N73-24472	#
NASA-CASE-XNP-09462	c 14	N71-17584	#	US-PATENT-APPL-SN-043912	c 43	N81-17499	#	US-PATENT-APPL-SN-105518	c 23	N71-15978	#
NASA-CASE-XNP-09469	c										

US-PATENT-APPL-SN-106465	c 30	N73-12884 *	#	US-PATENT-APPL-SN-129783	c 04	N82-23231 *	#	US-PATENT-APPL-SN-15019	c 15	N72-17455 *	#
US-PATENT-APPL-SN-107298	c 32	N73-13921 *	#	US-PATENT-APPL-SN-129793	c 33	N82-16340 *	#	US-PATENT-APPL-SN-15020	c 14	N70-34697 *	#
US-PATENT-APPL-SN-107376	c 15	N73-25513 *	#	US-PATENT-APPL-SN-129798	c 27	N81-27271 *	#	US-PATENT-APPL-SN-150215	c 33	N73-25952 *	#
US-PATENT-APPL-SN-107379	c 10	N73-33230 *	#	US-PATENT-APPL-SN-129799	c 27	N82-18389 *	#	US-PATENT-APPL-SN-15022	c 15	N72-21465 *	#
US-PATENT-APPL-SN-107380	c 28	N73-13773 *	#	US-PATENT-APPL-SN-130035	c 31	N73-14853 *	#	US-PATENT-APPL-SN-15023	c 15	N70-34699 *	#
US-PATENT-APPL-SN-107659	c 23	N73-20741 *	#	US-PATENT-APPL-SN-130496	c 36	N83-10417 *	#	US-PATENT-APPL-SN-15024	c 09	N72-21245 *	#
US-PATENT-APPL-SN-107866	c 17	N70-36616 *	#	US-PATENT-APPL-SN-132364	c 07	N83-36029 *	#	US-PATENT-APPL-SN-15025	c 03	N72-20033 *	#
US-PATENT-APPL-SN-107870	c 15	N70-36411 *	#	US-PATENT-APPL-SN-132666	c 05	N72-23085 *	#	US-PATENT-APPL-SN-150690	c 35	N79-33450 *	#
US-PATENT-APPL-SN-108107	c 37	N82-18601 *	#	US-PATENT-APPL-SN-134479	c 14	N70-33179 *	#	US-PATENT-APPL-SN-151112	c 15	N70-34814 *	#
US-PATENT-APPL-SN-10812	c 28	N70-40367 *	#	US-PATENT-APPL-SN-134481	c 11	N72-34815 *	#	US-PATENT-APPL-SN-151114	c 31	N70-34176 *	#
US-PATENT-APPL-SN-10827	c 14	N72-28436 *	#	US-PATENT-APPL-SN-134567	c 14	N73-16484 *	#	US-PATENT-APPL-SN-151411	c 07	N73-26118 *	#
US-PATENT-APPL-SN-108810	c 33	N77-22386 *	#	US-PATENT-APPL-SN-134568	c 06	N72-31141 *	#	US-PATENT-APPL-SN-151412	c 09	N73-32112 *	#
US-PATENT-APPL-SN-108824	c 31	N73-13898 *	#	US-PATENT-APPL-SN-134571	c 21	N73-13644 *	#	US-PATENT-APPL-SN-151413	c 14	N73-12447 *	#
US-PATENT-APPL-SN-109789	c 09	N70-34596 *	#	US-PATENT-APPL-SN-134573	c 09	N72-25257 *	#	US-PATENT-APPL-SN-151598	c 03	N70-34134 *	#
US-PATENT-APPL-SN-110402	c 09	N72-27226 *	#	US-PATENT-APPL-SN-134619	c 35	N79-33449 *	#	US-PATENT-APPL-SN-15222	c 18	N72-25539 *	#
US-PATENT-APPL-SN-110591	c 15	N70-39896 *	#	US-PATENT-APPL-SN-134658	c 15	N73-26515 *	#	US-PATENT-APPL-SN-152328	c 02	N74-20646 *	#
US-PATENT-APPL-SN-111436	c 33	N82-26569 *	#	US-PATENT-APPL-SN-134782	c 09	N70-36494 *	#	US-PATENT-APPL-SN-152849	c 15	N73-30457 *	#
US-PATENT-APPL-SN-111438	c 35	N81-29407 *	#	US-PATENT-APPL-SN-134855	c 44	N81-24521 *	#	US-PATENT-APPL-SN-153240	c 33	N80-26601 *	#
US-PATENT-APPL-SN-111439	c 74	N81-24900 *	#	US-PATENT-APPL-SN-135038	c 33	N83-31954 *	#	US-PATENT-APPL-SN-153245	c 74	N83-29032 *	#
US-PATENT-APPL-SN-111998	c 21	N73-30640 *	#	US-PATENT-APPL-SN-135039	c 33	N82-24416 *	#	US-PATENT-APPL-SN-153246	c 52	N82-29863 *	#
US-PATENT-APPL-SN-11220	c 14	N73-30389 *	#	US-PATENT-APPL-SN-135040	c 09	N82-11088 *	#	US-PATENT-APPL-SN-153266	c 02	N70-38011 *	#
US-PATENT-APPL-SN-112366	c 06	N72-10138 *	#	US-PATENT-APPL-SN-135056	c 37	N81-33483 *	#	US-PATENT-APPL-SN-153542	c 28	N73-32606 *	#
US-PATENT-APPL-SN-112988	c 07	N72-32169 *	#	US-PATENT-APPL-SN-135057	c 08	N82-32373 *	#	US-PATENT-APPL-SN-153543	c 08	N73-26176 *	#
US-PATENT-APPL-SN-112998	c 14	N73-12445 *	#	US-PATENT-APPL-SN-135058	c 25	N82-26396 *	#	US-PATENT-APPL-SN-153624	c 37	N75-27376 *	#
US-PATENT-APPL-SN-112999	c 23	N72-25619 *	#	US-PATENT-APPL-SN-136006	c 09	N72-28225 *	#	US-PATENT-APPL-SN-154094	c 33	N72-27959 *	#
US-PATENT-APPL-SN-112999	c 32	N79-19186 *	#	US-PATENT-APPL-SN-136007	c 09	N71-34212 *	#	US-PATENT-APPL-SN-154663	c 02	N81-26073 *	#
US-PATENT-APPL-SN-113014	c 27	N81-24257 *	#	US-PATENT-APPL-SN-136008	c 27	N74-12707 *	#	US-PATENT-APPL-SN-154663	c 09	N82-29330 *	#
US-PATENT-APPL-SN-113015	c 37	N82-24491 *	#	US-PATENT-APPL-SN-136085	c 17	N73-12547 *	#	US-PATENT-APPL-SN-154725	c 37	N82-24493 *	#
US-PATENT-APPL-SN-114772	c 04	N76-26175 *	#	US-PATENT-APPL-SN-136086	c 15	N73-19457 *	#	US-PATENT-APPL-SN-154726	c 25	N81-25159 *	#
US-PATENT-APPL-SN-114846	c 14	N73-12444 *	#	US-PATENT-APPL-SN-136253	c 28	N72-20767 *	#	US-PATENT-APPL-SN-154930	c 44	N76-14600 *	#
US-PATENT-APPL-SN-114847	c 15	N72-28496 *	#	US-PATENT-APPL-SN-136253	c 27	N74-12814 *	#	US-PATENT-APPL-SN-154933	c 14	N73-25463 *	#
US-PATENT-APPL-SN-114848	c 11	N72-23215 *	#	US-PATENT-APPL-SN-136652	c 07	N84-24577 *	#	US-PATENT-APPL-SN-154935	c 11	N72-27262 *	#
US-PATENT-APPL-SN-114849	c 09	N72-27227 *	#	US-PATENT-APPL-SN-136660	c 31	N83-34073 *	#	US-PATENT-APPL-SN-155565	c 08	N73-25206 *	#
US-PATENT-APPL-SN-114873	c 09	N73-28083 *	#	US-PATENT-APPL-SN-137391	c 36	N71-31426 *	#	US-PATENT-APPL-SN-155584	c 09	N70-40123 *	#
US-PATENT-APPL-SN-115082	c 18	N73-13562 *	#	US-PATENT-APPL-SN-137912	c 06	N72-21105 *	#	US-PATENT-APPL-SN-155595	c 26	N73-28710 *	#
US-PATENT-APPL-SN-115083	c 07	N73-25160 *	#	US-PATENT-APPL-SN-138227	c 26	N72-27784 *	#	US-PATENT-APPL-SN-155596	c 15	N73-32361 *	#
US-PATENT-APPL-SN-115134	c 06	N73-13128 *	#	US-PATENT-APPL-SN-138229	c 15	N72-32487 *	#	US-PATENT-APPL-SN-155598	c 15	N73-28516 *	#
US-PATENT-APPL-SN-115536	c 33	N82-24417 *	#	US-PATENT-APPL-SN-138230	c 32	N73-20740 *	#	US-PATENT-APPL-SN-156724	c 21	N73-13643 *	#
US-PATENT-APPL-SN-115944	c 03	N71-34044 *	#	US-PATENT-APPL-SN-138944	c 37	N82-26672 *	#	US-PATENT-APPL-SN-156725	c 14	N73-27377 *	#
US-PATENT-APPL-SN-116777	c 09	N73-19235 *	#	US-PATENT-APPL-SN-139006	c 09	N70-38604 *	#	US-PATENT-APPL-SN-156778	c 17	N72-28535 *	#
US-PATENT-APPL-SN-116778	c 09	N72-33205 *	#	US-PATENT-APPL-SN-139007	c 28	N70-37245 *	#	US-PATENT-APPL-SN-156790	c 25	N82-29371 *	#
US-PATENT-APPL-SN-116786	c 07	N72-25172 *	#	US-PATENT-APPL-SN-139012	c 03	N70-38713 *	#	US-PATENT-APPL-SN-157150	c 37	N84-33808 *	#
US-PATENT-APPL-SN-116790	c 14	N73-30388 *	#	US-PATENT-APPL-SN-139094	c 05	N73-32011 *	#	US-PATENT-APPL-SN-158530	c 27	N83-19900 *	#
US-PATENT-APPL-SN-117575	c 08	N73-12177 *	#	US-PATENT-APPL-SN-139250	c 04	N73-27052 *	#	US-PATENT-APPL-SN-158914	c 11	N70-36913 *	#
US-PATENT-APPL-SN-118169	c 14	N70-35220 *	#	US-PATENT-APPL-SN-139528	c 03	N72-25020 *	#	US-PATENT-APPL-SN-158916	c 05	N70-41819 *	#
US-PATENT-APPL-SN-118200	c 15	N70-34247 *	#	US-PATENT-APPL-SN-139596	c 33	N77-13315 *	#	US-PATENT-APPL-SN-159804	c 11	N70-38196 *	#
US-PATENT-APPL-SN-118202	c 28	N70-38710 *	#	US-PATENT-APPL-SN-140439	c 33	N75-19518 *	#	US-PATENT-APPL-SN-159857	c 05	N73-26072 *	#
US-PATENT-APPL-SN-118203	c 14	N70-38602 *	#	US-PATENT-APPL-SN-140443	c 09	N70-35219 *	#	US-PATENT-APPL-SN-159966	c 31	N73-26876 *	#
US-PATENT-APPL-SN-118269	c 33	N73-26958 *	#	US-PATENT-APPL-SN-140509	c 09	N70-35382 *	#	US-PATENT-APPL-SN-160093	c 04	N78-17031 *	#
US-PATENT-APPL-SN-118270	c 09	N72-25260 *	#	US-PATENT-APPL-SN-140946	c 18	N73-26572 *	#	US-PATENT-APPL-SN-160859	c 32	N73-26910 *	#
US-PATENT-APPL-SN-11853	c 15	N71-28951 *	#	US-PATENT-APPL-SN-140946	c 27	N74-27037 *	#	US-PATENT-APPL-SN-160860	c 18	N73-32437 *	#
US-PATENT-APPL-SN-119282	c 03	N72-23048 *	#	US-PATENT-APPL-SN-141220	c 33	N70-37979 *	#	US-PATENT-APPL-SN-161028	c 14	N73-19420 *	#
US-PATENT-APPL-SN-119334	c 26	N80-19237 *	#	US-PATENT-APPL-SN-142583	c 37	N79-33469 *	#	US-PATENT-APPL-SN-161254	c 27	N82-28441 *	#
US-PATENT-APPL-SN-119335	c 37	N82-24494 *	#	US-PATENT-APPL-SN-142662	c 23	N73-13661 *	#	US-PATENT-APPL-SN-161255	c 28	N81-24280 *	#
US-PATENT-APPL-SN-119336	c 33	N82-24421 *	#	US-PATENT-APPL-SN-142719	c 14	N73-14429 *	#	US-PATENT-APPL-SN-161256	c 44	N82-32841 *	#
US-PATENT-APPL-SN-119337	c 24	N81-33235 *	#	US-PATENT-APPL-SN-143078	c 08	N72-33172 *	#	US-PATENT-APPL-SN-161257	c 37	N85-29282 *	#
US-PATENT-APPL-SN-119339	c 36	N82-28616 *	#	US-PATENT-APPL-SN-143508	c 33	N74-12913 *	#	US-PATENT-APPL-SN-162100	c 33	N74-14939 *	#
US-PATENT-APPL-SN-119340	c 35	N82-11432 *	#	US-PATENT-APPL-SN-1441139	c 11	N73-26238 *	#	US-PATENT-APPL-SN-162101	c 14	N73-24473 *	#
US-PATENT-APPL-SN-120241	c 15	N73-24513 *	#	US-PATENT-APPL-SN-144803	c 11	N70-34844 *	#	US-PATENT-APPL-SN-162230	c 26	N72-28761 *	#
US-PATENT-APPL-SN-120795	c 07	N70-40202 *	#	US-PATENT-APPL-SN-144804	c 14	N70-39898 *	#	US-PATENT-APPL-SN-162380	c 36	N74-21091 *	#
US-PATENT-APPL-SN-120797	c 14	N70-36824 *	#	US-PATENT-APPL-SN-144888	c 09	N70-38995 *	#	US-PATENT-APPL-SN-163122	c 07	N83-31603 *	#
US-PATENT-APPL-SN-120803	c 08	N70-34743 *	#	US-PATENT-APPL-SN-144958	c 09	N72-20206 *	#	US-PATENT-APPL-SN-163151	c 74	N75-25706 *	#
US-PATENT-APPL-SN-121328	c 23	N72-11568 *	#	US-PATENT-APPL-SN-145007	c 18	N70-36400 *	#	US-PATENT-APPL-SN-163152	c 17	N73-27446 *	#
US-PATENT-APPL-SN-122965	c 35	N81-26431 *	#	US-PATENT-APPL-SN-145026	c 06	N72-25152 *	#	US-PATENT-APPL-SN-163837	c 47	N83-32232 *	#
US-PATENT-APPL-SN-122966	c 33	N80-19425 *	#	US-PATENT-APPL-SN-145027	c 06	N73-31209 *	#	US-PATENT-APPL-SN-163838	c 23	N82-28353 *	#
US-PATENT-APPL-SN-122966	c 33	N82-26568 *	#	US-PATENT-APPL-SN-145107	c 27	N82-16238 *	#	US-PATENT-APPL-SN-163840	c 37	N81-33482 *	#
US-PATENT-APPL-SN-122967	c 24	N81-26179 *	#	US-PATENT-APPL-SN-145206	c 32	N82-11336 *	#	US-PATENT-APPL-SN-164-584	c 24	N83-33950 *	#
US-PATENT-APPL-SN-123253	c 10	N73-12244 *	#	US-PATENT-APPL-SN-145207	c 25	N82-28368 *	#	US-PATENT-APPL-SN-164428	c 09	N70-35440 *	#
US-PATENT-APPL-SN-123597	c 21	N70-34297 *	#	US-PATENT-APPL-SN-145208	c 34	N83-34221 *	#	US-PATENT-APPL-SN-164617	c 06	N81-17057 *	#
US-PATENT-APPL-SN-124909	c 14	N73-16483 *	#	US-PATENT-APPL-SN-145209	c 27	N82-29453 *	#	US-PATENT-APPL-SN-165910	c 32	N83-31918 *	#
US-PATENT-APPL-SN-125234	c 07	N73-16121 *	#	US-PATENT-APPL-SN-145210	c 09	N82-23254 *	#	US-PATENT-APPL-SN-166487	c 11	N73-32152 *	#
US-PATENT-APPL-SN-125235	c 51	N77-25769 *	#	US-PATENT-APPL-SN-145211	c 23	N81-29160 *	#	US-PATENT-APPL-SN-166541	c 14	N73-13415 *	#
US-PATENT-APPL-SN-125236	c 14	N73-26431 *	#	US-PATENT-APPL-SN-145272	c 33	N82-28545 *	#	US-PATENT-APPL-SN-166699	c 15	N70-34249 *	#
US-PATENT-APPL-SN-125979	c 09	N72-25255 *	#	US-PATENT-APPL-SN-145273	c 51	N81-32029 *	#	US-PATENT-APPL-SN-166970	c 15	N70-36409 *	#
US-PATENT-APPL-SN-126063	c 44	N83-10501 *	#	US-PATENT-APPL-SN-145282	c 74	N82-24727 *	#	US-PATENT-APPL-SN-167719	c 16	N73-33397 *	#
US-PATENT-APPL-SN-126084	c 33	N82-18493 *	#	US-PATENT-APPL-SN-145283	c 27	N81-24256 *	#	US-PATENT-APPL-SN-16808	c 14	N72-22445 *	#
US-PATENT-APPL-SN-126138	c 34	N82-13376 *	#	US-PATENT-APPL-SN-145284	c 27	N82-24338 *	#	US-PATENT-APPL-SN-168560	c 02	N70-34856 *	#
US-PATENT-APPL-SN-126611	c 14	N72-22437 *	#	US-PATENT-APPL-SN-146217	c 14	N71-34389 *	#	US-PATENT-APPL-SN-168650	c 14	N73-13416 *	#
US-PATENT-APPL-SN-127234	c 08	N70-35423 *	#	US-PATENT-APPL-SN-146935	c 14	N73-20475 *	#	US-PATENT-APPL-SN-168943	c 54	N82-26987 *	#
US-PATENT-APPL-SN-127480	c 37	N75-26371 *	#	US-PATENT-APPL-SN-146939	c 73	N75-30876 *	#	US-PATENT-APPL-SN-168944	c 37	N82-32731 *	#
US-PATENT-APPL-SN-127481	c 24	N75-28135 *	#	US-PATENT-APPL-SN-146940	c 05	N73-32014 *	#	US-PATENT-APPL-SN-169671	c 10	N73-30205 *	#
US-PATENT-APPL-SN-127618	c 02	N73-13008 *	#	US-PATENT-APPL-SN-147099	c 14	N73-13417 *	#	US-PATENT-APPL-SN-169962	c 34	N74-30608 *	#
US-PATENT-APPL-SN-127647	c 15	N73-27405 *	#	US-PATENT-APPL-SN-147103	c 10	N73-20253 *	#	US-PATENT-APPL-SN-169977	c 14	N70-34794 *	#
US-PATENT-APPL-SN-127915	c 02	N73-26004 *	#	US-PATENT-APPL-SN-147695	c 32	N84-27952 *	#	US-PATENT-APPL-SN-170440	c 15	N73-13462 *	#

US-PATENT-APPL-SN-172807	c 07	N73-28012	#	US-PATENT-APPL-SN-191746	c 26	N81-16209	#	US-PATENT-APPL-SN-209479	c 15	N70-34850	#
US-PATENT-APPL-SN-173081	c 28	N70-36806	#	US-PATENT-APPL-SN-191746	c 26	N82-30371	#	US-PATENT-APPL-SN-209535	c 28	N73-24783	#
US-PATENT-APPL-SN-173178	c 33	N77-21315	#	US-PATENT-APPL-SN-191748	c 35	N82-31659	#	US-PATENT-APPL-SN-209600	c 15	N72-17453	#
US-PATENT-APPL-SN-173185	c 23	N73-13660	#	US-PATENT-APPL-SN-192016	c 03	N70-36778	#	US-PATENT-APPL-SN-209618	c 33	N75-19520	#
US-PATENT-APPL-SN-173190	c 05	N73-32015	#	US-PATENT-APPL-SN-192101	c 10	N73-20254	#	US-PATENT-APPL-SN-209618	c 33	N75-25041	#
US-PATENT-APPL-SN-173518	c 60	N82-29013	#	US-PATENT-APPL-SN-192141	c 07	N73-24176	#	US-PATENT-APPL-SN-209680	c 08	N70-40125	#
US-PATENT-APPL-SN-173519	c 44	N82-26776	#	US-PATENT-APPL-SN-192803	c 07	N73-22076	#	US-PATENT-APPL-SN-210405	c 74	N84-11921	#
US-PATENT-APPL-SN-173520	c 31	N83-27058	#	US-PATENT-APPL-SN-192803	c 35	N76-16391	#	US-PATENT-APPL-SN-210491	c 02	N81-19016	#
US-PATENT-APPL-SN-173524	c 35	N82-32659	#	US-PATENT-APPL-SN-192970	c 23	N73-30665	#	US-PATENT-APPL-SN-210498	c 35	N84-12444	#
US-PATENT-APPL-SN-173981	c 14	N70-35666	#	US-PATENT-APPL-SN-193456	c 10	N73-25243	#	US-PATENT-APPL-SN-210506	c 39	N83-32081	#
US-PATENT-APPL-SN-174684	c 33	N75-31331	#	US-PATENT-APPL-SN-193671	c 15	N73-12488	#	US-PATENT-APPL-SN-210632	c 26	N83-10170	#
US-PATENT-APPL-SN-175267	c 14	N73-28472	#	US-PATENT-APPL-SN-193672	c 54	N74-14845	#	US-PATENT-APPL-SN-211332	c 02	N74-10034	#
US-PATENT-APPL-SN-175452	c 27	N81-27272	#	US-PATENT-APPL-SN-193814	c 14	N73-30393	#	US-PATENT-APPL-SN-211411	c 11	N73-20267	#
US-PATENT-APPL-SN-175452	c 27	N85-21347	#	US-PATENT-APPL-SN-193947	c 14	N73-13420	#	US-PATENT-APPL-SN-211464	c 28	N70-36910	#
US-PATENT-APPL-SN-175453	c 85	N82-33288	#	US-PATENT-APPL-SN-193980	c 31	N74-13177	#	US-PATENT-APPL-SN-212028	c 09	N73-14214	#
US-PATENT-APPL-SN-175497	c 08	N73-28045	#	US-PATENT-APPL-SN-195061	c 05	N73-25125	#	US-PATENT-APPL-SN-212165	c 14	N73-25460	#
US-PATENT-APPL-SN-175852	c 25	N73-25760	#	US-PATENT-APPL-SN-195223	c 35	N83-21311	#	US-PATENT-APPL-SN-212173	c 02	N71-13421	#
US-PATENT-APPL-SN-175881	c 09	N73-15235	#	US-PATENT-APPL-SN-195226	c 31	N83-31895	#	US-PATENT-APPL-SN-212174	c 15	N73-30485	#
US-PATENT-APPL-SN-175981	c 16	N73-30476	#	US-PATENT-APPL-SN-195227	c 74	N83-32577	#	US-PATENT-APPL-SN-212496	c 03	N70-36803	#
US-PATENT-APPL-SN-175983	c 31	N73-32750	#	US-PATENT-APPL-SN-195228	c 74	N83-10900	#	US-PATENT-APPL-SN-212497	c 11	N71-28779	#
US-PATENT-APPL-SN-177684	c 28	N70-34860	#	US-PATENT-APPL-SN-195346	c 15	N70-36492	#	US-PATENT-APPL-SN-21263	c 01	N71-12217	#
US-PATENT-APPL-SN-177753	c 07	N72-20154	#	US-PATENT-APPL-SN-195347	c 31	N70-34135	#	US-PATENT-APPL-SN-212900	c 14	N73-25462	#
US-PATENT-APPL-SN-177985	c 35	N74-15831	#	US-PATENT-APPL-SN-195547	c 33	N81-15194	#	US-PATENT-APPL-SN-212921	c 07	N73-20176	#
US-PATENT-APPL-SN-178192	c 25	N83-33977	#	US-PATENT-APPL-SN-195547	c 32	N83-18975	#	US-PATENT-APPL-SN-212949	c 35	N83-35338	#
US-PATENT-APPL-SN-178193	c 52	N82-29862	#	US-PATENT-APPL-SN-195854	c 35	N77-27368	#	US-PATENT-APPL-SN-212977	c 15	N73-30460	#
US-PATENT-APPL-SN-178195	c 35	N82-24470	#	US-PATENT-APPL-SN-195854	c 15	N72-25455	#	US-PATENT-APPL-SN-213004	c 14	N73-19421	#
US-PATENT-APPL-SN-178213	c 25	N70-33267	#	US-PATENT-APPL-SN-196399	c 07	N73-25161	#	US-PATENT-APPL-SN-213836	c 15	N70-38601	#
US-PATENT-APPL-SN-178215	c 25	N70-34661	#	US-PATENT-APPL-SN-196877	c 35	N84-17555	#	US-PATENT-APPL-SN-213949	c 07	N73-20175	#
US-PATENT-APPL-SN-178721	c 03	N70-35408	#	US-PATENT-APPL-SN-196898	c 38	N74-15130	#	US-PATENT-APPL-SN-214006	c 37	N74-18126	#
US-PATENT-APPL-SN-178771	c 23	N75-14834	#	US-PATENT-APPL-SN-196931	c 35	N74-17865	#	US-PATENT-APPL-SN-214084	c 37	N74-18123	#
US-PATENT-APPL-SN-180230	c 33	N83-18996	#	US-PATENT-APPL-SN-196970	c 15	N73-33383	#	US-PATENT-APPL-SN-214086	c 14	N73-30395	#
US-PATENT-APPL-SN-180370	c 28	N70-33375	#	US-PATENT-APPL-SN-197183	c 02	N72-22154	#	US-PATENT-APPL-SN-214089	c 35	N74-21018	#
US-PATENT-APPL-SN-180374	c 28	N70-38181	#	US-PATENT-APPL-SN-197548	c 09	N70-34502	#	US-PATENT-APPL-SN-214361	c 37	N83-32067	#
US-PATENT-APPL-SN-180377	c 15	N70-36908	#	US-PATENT-APPL-SN-197551	c 31	N70-34298	#	US-PATENT-APPL-SN-215008	c 08	N72-20176	#
US-PATENT-APPL-SN-180379	c 21	N70-35395	#	US-PATENT-APPL-SN-197553	c 08	N70-34778	#	US-PATENT-APPL-SN-215444	c 05	N72-22092	#
US-PATENT-APPL-SN-180380	c 09	N70-38998	#	US-PATENT-APPL-SN-197554	c 14	N70-35368	#	US-PATENT-APPL-SN-216710	c 12	N70-38997	#
US-PATENT-APPL-SN-180381	c 21	N70-35089	#	US-PATENT-APPL-SN-197689	c 31	N74-14133	#	US-PATENT-APPL-SN-216711	c 03	N70-34157	#
US-PATENT-APPL-SN-180382	c 28	N70-38645	#	US-PATENT-APPL-SN-197689	c 31	N75-13111	#	US-PATENT-APPL-SN-216939	c 14	N70-40400	#
US-PATENT-APPL-SN-180384	c 11	N70-38675	#	US-PATENT-APPL-SN-197870	c 14	N73-32322	#	US-PATENT-APPL-SN-217213	c 37	N74-11301	#
US-PATENT-APPL-SN-180391	c 28	N70-38249	#	US-PATENT-APPL-SN-198093	c 39	N83-20280	#	US-PATENT-APPL-SN-217232	c 15	N70-26819	#
US-PATENT-APPL-SN-180392	c 09	N71-13530	#	US-PATENT-APPL-SN-198285	c 09	N73-13208	#	US-PATENT-APPL-SN-217336	c 27	N82-29456	#
US-PATENT-APPL-SN-180394	c 15	N70-38603	#	US-PATENT-APPL-SN-198289	c 14	N73-32326	#	US-PATENT-APPL-SN-218585	c 27	N82-24340	#
US-PATENT-APPL-SN-180395	c 15	N70-36947	#	US-PATENT-APPL-SN-198355	c 05	N72-15098	#	US-PATENT-APPL-SN-218586	c 36	N81-22344	#
US-PATENT-APPL-SN-180396	c 11	N70-38202	#	US-PATENT-APPL-SN-198362	c 14	N73-28489	#	US-PATENT-APPL-SN-218587	c 27	N82-28440	#
US-PATENT-APPL-SN-180473	c 28	N73-27699	#	US-PATENT-APPL-SN-198379	c 15	N73-32359	#	US-PATENT-APPL-SN-218588	c 27	N82-33521	#
US-PATENT-APPL-SN-180683	c 10	N73-25241	#	US-PATENT-APPL-SN-198472	c 27	N74-12612	#	US-PATENT-APPL-SN-218965	c 10	N73-32145	#
US-PATENT-APPL-SN-180963	c 14	N73-27378	#	US-PATENT-APPL-SN-198763	c 31	N74-18124	#	US-PATENT-APPL-SN-219106	c 09	N72-17157	#
US-PATENT-APPL-SN-181023	c 15	N73-26472	#	US-PATENT-APPL-SN-198763	c 31	N74-32920	#	US-PATENT-APPL-SN-219435	c 24	N74-27035	#
US-PATENT-APPL-SN-181024	c 07	N73-26117	#	US-PATENT-APPL-SN-198885	c 05	N73-27062	#	US-PATENT-APPL-SN-219436	c 15	N72-21489	#
US-PATENT-APPL-SN-181828	c 02	N70-34858	#	US-PATENT-APPL-SN-199199	c 25	N71-29184	#	US-PATENT-APPL-SN-219590	c 06	N73-32030	#
US-PATENT-APPL-SN-181829	c 31	N70-38010	#	US-PATENT-APPL-SN-199202	c 14	N70-40239	#	US-PATENT-APPL-SN-219640	c 74	N83-13978	#
US-PATENT-APPL-SN-182033	c 33	N73-27796	#	US-PATENT-APPL-SN-199771	c 09	N70-33312	#	US-PATENT-APPL-SN-219677	c 44	N82-31764	#
US-PATENT-APPL-SN-182399	c 07	N73-28013	#	US-PATENT-APPL-SN-199765	c 33	N81-12330	#	US-PATENT-APPL-SN-219678	c 44	N82-29709	#
US-PATENT-APPL-SN-182692	c 15	N70-36535	#	US-PATENT-APPL-SN-199766	c 36	N84-28065	#	US-PATENT-APPL-SN-219680	c 27	N82-28442	#
US-PATENT-APPL-SN-182696	c 21	N70-36938	#	US-PATENT-APPL-SN-199767	c 33	N83-16626	#	US-PATENT-APPL-SN-219681	c 24	N82-29362	#
US-PATENT-APPL-SN-182698	c 15	N70-38620	#	US-PATENT-APPL-SN-199768	c 27	N84-22746	#	US-PATENT-APPL-SN-219681	c 54	N84-11758	#
US-PATENT-APPL-SN-182699	c 28	N70-38504	#	US-PATENT-APPL-SN-199768	c 27	N85-20123	#	US-PATENT-APPL-SN-219722	c 03	N73-30132	#
US-PATENT-APPL-SN-182879	c 37	N82-32730	#	US-PATENT-APPL-SN-199769	c 26	N82-31505	#	US-PATENT-APPL-SN-219806	c 07	N74-28226	#
US-PATENT-APPL-SN-182880	c 37	N83-19091	#	US-PATENT-APPL-SN-199957	c 10	N73-26229	#	US-PATENT-APPL-SN-219968	c 33	N83-27126	#
US-PATENT-APPL-SN-182881	c 18	N83-28064	#	US-PATENT-APPL-SN-200040	c 52	N74-10975	#	US-PATENT-APPL-SN-220212	c 33	N83-31952	#
US-PATENT-APPL-SN-182977	c 39	N74-13131	#	US-PATENT-APPL-SN-200085	c 26	N73-26751	#	US-PATENT-APPL-SN-220213	c 37	N85-20337	#
US-PATENT-APPL-SN-182978	c 16	N73-13489	#	US-PATENT-APPL-SN-200634	c 34	N83-27144	#	US-PATENT-APPL-SN-220214	c 44	N82-29710	#
US-PATENT-APPL-SN-183240	c 06	N73-30098	#	US-PATENT-APPL-SN-200682	c 07	N73-14130	#	US-PATENT-APPL-SN-220215	c 37	N74-15125	#
US-PATENT-APPL-SN-183707	c 23	N85-33187	#	US-PATENT-APPL-SN-200717	c 09	N73-19234	#	US-PATENT-APPL-SN-220274	c 31	N72-20840	#
US-PATENT-APPL-SN-183977	c 28	N70-38505	#	US-PATENT-APPL-SN-200762	c 03	N73-20040	#	US-PATENT-APPL-SN-220274	c 18	N74-22136	#
US-PATENT-APPL-SN-183978	c 15	N70-38020	#	US-PATENT-APPL-SN-200770	c 09	N79-21084	#	US-PATENT-APPL-SN-220785	c 85	N74-34672	#
US-PATENT-APPL-SN-184090	c 14	N73-32327	#	US-PATENT-APPL-SN-201700	c 33	N74-17930	#	US-PATENT-APPL-SN-221093	c 17	N73-32415	#
US-PATENT-APPL-SN-18427	c 09	N72-23172	#	US-PATENT-APPL-SN-201782	c 15	N73-19458	#	US-PATENT-APPL-SN-221276	c 14	N70-41955	#
US-PATENT-APPL-SN-184649	c 07	N70-36911	#	US-PATENT-APPL-SN-201904	c 15	N73-30458	#	US-PATENT-APPL-SN-221634	c 05	N70-34857	#
US-PATENT-APPL-SN-184960	c 06	N73-27980	#	US-PATENT-APPL-SN-201904	c 37	N74-15128	#	US-PATENT-APPL-SN-221637	c 26	N70-36805	#
US-PATENT-APPL-SN-185865	c 52	N80-33081	#	US-PATENT-APPL-SN-201904	c 37	N74-21064	#	US-PATENT-APPL-SN-221760	c 35	N77-14408	#
US-PATENT-APPL-SN-185867	c 44	N82-26777	#	US-PATENT-APPL-SN-202024	c 14	N70-34156	#	US-PATENT-APPL-SN-221685	c 35	N74-21062	#
US-PATENT-APPL-SN-185868	c 24	N84-16262	#	US-PATENT-APPL-SN-202029	c 11	N70-34786	#	US-PATENT-APPL-SN-221714	c 09	N73-32110	#
US-PATENT-APPL-SN-185869	c 71	N82-16800	#	US-PATENT-APPL-SN-202030	c 31	N71-10747	#	US-PATENT-APPL-SN-221833	c 09	N73-27150	#
US-PATENT-APPL-SN-186700	c 32	N74-12912	#	US-PATENT-APPL-SN-202228	c 34	N82-11399	#	US-PATENT-APPL-SN-221945	c 31	N70-36410	#
US-PATENT-APPL-SN-186881	c 74	N82-30071	#	US-PATENT-APPL-SN-202228	c 34	N85-29179	#	US-PATENT-APPL-SN-222655	c 14	N72-21405	#
US-PATENT-APPL-SN-187106	c 74	N83-17305	#	US-PATENT-APPL-SN-202750	c 19	N74-21015	#	US-PATENT-APPL-SN-223003	c 33	N70-36846	#
US-PATENT-APPL-SN-187143	c 36	N74-13205	#	US-PATENT-APPL-SN-202769	c 05	N73-27941	#	US-PATENT-APPL-SN-223200	c 14	N72-11365	#
US-PATENT-APPL-SN-187262	c 15	N73-27406	#	US-PATENT-APPL-SN-203271	c 51	N74-15778	#	US-PATENT-APPL-SN-223560	c 10	N73-32144	#
US-PATENT-APPL-SN-187365	c 35	N74-15127	#	US-PATENT-APPL-SN-203405	c 02	N73-26006	#	US-PATENT-APPL-SN-224231	c 06	N83-10040	#
US-PATENT-APPL-SN-187446	c 31	N70-37924	#	US-PATENT-APPL-SN-203409	c 28	N70-38197	#	US-PATENT-APPL-SN-224231	c 06	N84-34443	#
US-PATENT-APPL-SN-187776	c 28	N70-33284	#	US-PATENT-APPL-SN-203411	c 33	N70-34812	#	US-PATENT-APPL-SN-224232	c 36	N83-29680	#
US-PATENT-APPL-SN-187800	c 12	N70-33305	#	US-PATENT-APPL-SN-203700	c 33	N79-33393	#	US-PATENT-APPL-SN-224489	c 31	N74-18089	#
US-PATENT-APPL-SN-188160	c 74	N82-19029	#	US-PATENT-APPL-SN-204015	c 09	N70-38201	#	US-PATENT-APPL-SN-225499	c 37	N84-12491	#
US-P											

US-PATENT-APPL-SN-228190	c 23	N73-30666 *	#	US-PATENT-APPL-SN-242662	c 74	N74-15095 *	#	US-PATENT-APPL-SN-260093	c 25	N74-26948 *	#
US-PATENT-APPL-SN-228229	c 27	N77-31308 *	#	US-PATENT-APPL-SN-242790	c 06	N83-33882 *	#	US-PATENT-APPL-SN-260241	c 74	N74-21304 *	#
US-PATENT-APPL-SN-228507	c 11	N70-38182 *	#	US-PATENT-APPL-SN-242795	c 18	N83-20996 *	#	US-PATENT-APPL-SN-261183	c 09	N74-30597 *	#
US-PATENT-APPL-SN-228569	c 14	N71-16014 *	#	US-PATENT-APPL-SN-242795	c 37	N84-22957 *	#	US-PATENT-APPL-SN-261912	c 14	N70-34818 *	#
US-PATENT-APPL-SN-229128	c 14	N73-28490 *	#	US-PATENT-APPL-SN-242796	c 44	N83-13579 *	#	US-PATENT-APPL-SN-261917	c 09	N70-40272 *	#
US-PATENT-APPL-SN-229143	c 09	N72-21248 *	#	US-PATENT-APPL-SN-242797	c 74	N85-22139 *	#	US-PATENT-APPL-SN-261918	c 28	N70-41447 *	#
US-PATENT-APPL-SN-229143	c 33	N77-26387 *	#	US-PATENT-APPL-SN-243374	c 15	N77-10112 *	#	US-PATENT-APPL-SN-262430	c 35	N74-18323 *	#
US-PATENT-APPL-SN-229231	c 35	N83-34272 *	#	US-PATENT-APPL-SN-243682	c 74	N83-19596 *	#	US-PATENT-APPL-SN-262596	c 14	N71-28958 *	#
US-PATENT-APPL-SN-229233	c 27	N83-31855 *	#	US-PATENT-APPL-SN-243683	c 33	N81-22280 *	#	US-PATENT-APPL-SN-262598	c 62	N76-31946 *	#
US-PATENT-APPL-SN-229239	c 31	N83-31897 *	#	US-PATENT-APPL-SN-243683	c 33	N83-28319 *	#	US-PATENT-APPL-SN-263230	c 33	N74-20860 *	#
US-PATENT-APPL-SN-229286	c 33	N71-29052 *	#	US-PATENT-APPL-SN-243683	c 33	N84-14424 *	#	US-PATENT-APPL-SN-263498	c 34	N74-27859 *	#
US-PATENT-APPL-SN-229287	c 35	N78-29421 *	#	US-PATENT-APPL-SN-243683	c 33	N84-33660 *	#	US-PATENT-APPL-SN-26375	c 02	N70-33286 *	#
US-PATENT-APPL-SN-229354	c 62	N74-14920 *	#	US-PATENT-APPL-SN-243684	c 37	N84-24292 *	#	US-PATENT-APPL-SN-26375	c 02	N70-34858 *	#
US-PATENT-APPL-SN-229413	c 14	N73-32323 *	#	US-PATENT-APPL-SN-243685	c 07	N81-27096 *	#	US-PATENT-APPL-SN-263815	c 09	N74-17955 *	#
US-PATENT-APPL-SN-229693	c 37	N84-22958 *	#	US-PATENT-APPL-SN-244158	c 32	N74-20863 *	#	US-PATENT-APPL-SN-263828	c 34	N83-19151 *	#
US-PATENT-APPL-SN-229916	c 46	N74-13011 *	#	US-PATENT-APPL-SN-244440	c 21	N73-19630 *	#	US-PATENT-APPL-SN-263829	c 05	N84-12014 *	#
US-PATENT-APPL-SN-230613	c 05	N83-27975 *	#	US-PATENT-APPL-SN-244440	c 14	N73-32320 *	#	US-PATENT-APPL-SN-263830	c 44	N83-28573 *	#
US-PATENT-APPL-SN-23132	c 08	N72-22163 *	#	US-PATENT-APPL-SN-244519	c 37	N74-18125 *	#	US-PATENT-APPL-SN-263957	c 52	N83-25346 *	#
US-PATENT-APPL-SN-231520	c 27	N71-29155 *	#	US-PATENT-APPL-SN-244523	c 31	N73-30829 *	#	US-PATENT-APPL-SN-264268	c 31	N78-17238 *	#
US-PATENT-APPL-SN-231543	c 07	N83-20944 *	#	US-PATENT-APPL-SN-244566	c 74	N74-20008 *	#	US-PATENT-APPL-SN-264378	c 24	N83-10117 *	#
US-PATENT-APPL-SN-231604	c 28	N70-39925 *	#	US-PATENT-APPL-SN-245063	c 33	N74-11049 *	#	US-PATENT-APPL-SN-264378	c 70	N84-28565 *	#
US-PATENT-APPL-SN-231662	c 14	N73-30392 *	#	US-PATENT-APPL-SN-245279	c 25	N74-30502 *	#	US-PATENT-APPL-SN-264380	c 44	N83-14692 *	#
US-PATENT-APPL-SN-232021	c 04	N74-13420 *	#	US-PATENT-APPL-SN-245571	c 07	N84-22560 *	#	US-PATENT-APPL-SN-264381	c 52	N84-28388 *	#
US-PATENT-APPL-SN-232318	c 11	N71-15960 *	#	US-PATENT-APPL-SN-245941	c 33	N71-17697 *	#	US-PATENT-APPL-SN-264381	c 52	N84-28389 *	#
US-PATENT-APPL-SN-232914	c 15	N70-36412 *	#	US-PATENT-APPL-SN-246056	c 38	N74-15395 *	#	US-PATENT-APPL-SN-264728	c 30	N70-40016 *	#
US-PATENT-APPL-SN-233098	c 12	N73-25262 *	#	US-PATENT-APPL-SN-246294	c 27	N82-29454 *	#	US-PATENT-APPL-SN-264729	c 33	N70-34540 *	#
US-PATENT-APPL-SN-233173	c 12	N73-28144 *	#	US-PATENT-APPL-SN-246295	c 27	N82-29452 *	#	US-PATENT-APPL-SN-264731	c 09	N70-41655 *	#
US-PATENT-APPL-SN-233269	c 76	N82-30105 *	#	US-PATENT-APPL-SN-246772	c 44	N83-10494 *	#	US-PATENT-APPL-SN-264735	c 28	N70-33265 *	#
US-PATENT-APPL-SN-233270	c 52	N83-27578 *	#	US-PATENT-APPL-SN-246773	c 35	N83-29650 *	#	US-PATENT-APPL-SN-264736	c 28	N70-36802 *	#
US-PATENT-APPL-SN-233271	c 27	N83-34043 *	#	US-PATENT-APPL-SN-246774	c 34	N83-31993 *	#	US-PATENT-APPL-SN-26573	c 31	N72-22874 *	#
US-PATENT-APPL-SN-233519	c 20	N74-13502 *	#	US-PATENT-APPL-SN-246777	c 45	N83-25217 *	#	US-PATENT-APPL-SN-266107	c 11	N71-15925 *	#
US-PATENT-APPL-SN-233587	c 16	N72-22520 *	#	US-PATENT-APPL-SN-246778	c 36	N83-35350 *	#	US-PATENT-APPL-SN-266253	c 04	N84-22546 *	#
US-PATENT-APPL-SN-233743	c 37	N74-13179 *	#	US-PATENT-APPL-SN-247055	c 37	N74-11300 *	#	US-PATENT-APPL-SN-266254	c 24	N83-13172 *	#
US-PATENT-APPL-SN-234222	c 34	N85-21568 *	#	US-PATENT-APPL-SN-247090	c 37	N74-18128 *	#	US-PATENT-APPL-SN-266255	c 44	N83-27344 *	#
US-PATENT-APPL-SN-234223	c 35	N83-21312 *	#	US-PATENT-APPL-SN-247136	c 14	N71-30265 *	#	US-PATENT-APPL-SN-266256	c 24	N83-13171 *	#
US-PATENT-APPL-SN-234224	c 36	N83-34304 *	#	US-PATENT-APPL-SN-247419	c 14	N70-36907 *	#	US-PATENT-APPL-SN-266687	c 32	N84-22820 *	#
US-PATENT-APPL-SN-234225	c 33	N83-36357 *	#	US-PATENT-APPL-SN-247423	c 01	N71-13410 *	#	US-PATENT-APPL-SN-266688	c 37	N83-36483 *	#
US-PATENT-APPL-SN-234568	c 28	N70-34788 *	#	US-PATENT-APPL-SN-247434	c 25	N76-29979 *	#	US-PATENT-APPL-SN-266729	c 37	N74-18127 *	#
US-PATENT-APPL-SN-235162	c 08	N71-12501 *	#	US-PATENT-APPL-SN-247434	c 25	N76-27383 *	#	US-PATENT-APPL-SN-266820	c 07	N74-31270 *	#
US-PATENT-APPL-SN-235266	c 26	N73-32571 *	#	US-PATENT-APPL-SN-247481	c 05	N73-26071 *	#	US-PATENT-APPL-SN-266822	c 32	N74-10132 *	#
US-PATENT-APPL-SN-235268	c 36	N74-15145 *	#	US-PATENT-APPL-SN-248469	c 14	N73-32318 *	#	US-PATENT-APPL-SN-266832	c 33	N74-10195 *	#
US-PATENT-APPL-SN-235269	c 09	N73-30181 *	#	US-PATENT-APPL-SN-248471	c 31	N74-27902 *	#	US-PATENT-APPL-SN-266866	c 33	N73-32818 *	#
US-PATENT-APPL-SN-235295	c 09	N73-30185 *	#	US-PATENT-APPL-SN-248744	c 05	N83-19737 *	#	US-PATENT-APPL-SN-266899	c 60	N74-12888 *	#
US-PATENT-APPL-SN-235332	c 07	N72-21117 *	#	US-PATENT-APPL-SN-248745	c 18	N83-29303 *	#	US-PATENT-APPL-SN-266911	c 36	N74-20009 *	#
US-PATENT-APPL-SN-235338	c 71	N74-31148 *	#	US-PATENT-APPL-SN-248746	c 37	N83-36482 *	#	US-PATENT-APPL-SN-266912	c 32	N74-19788 *	#
US-PATENT-APPL-SN-235363	c 74	N81-24907 *	#	US-PATENT-APPL-SN-248761	c 15	N74-27360 *	#	US-PATENT-APPL-SN-266913	c 31	N74-23065 *	#
US-PATENT-APPL-SN-235472	c 60	N84-28492 *	#	US-PATENT-APPL-SN-248985	c 03	N71-29129 *	#	US-PATENT-APPL-SN-266925	c 54	N74-17853 *	#
US-PATENT-APPL-SN-235588	c 28	N71-28928 *	#	US-PATENT-APPL-SN-249304	c 35	N84-14491 *	#	US-PATENT-APPL-SN-266928	c 26	N74-10521 *	#
US-PATENT-APPL-SN-235796	c 35	N82-28604 *	#	US-PATENT-APPL-SN-249537	c 14	N71-10797 *	#	US-PATENT-APPL-SN-266930	c 54	N74-12779 *	#
US-PATENT-APPL-SN-235797	c 44	N83-32175 *	#	US-PATENT-APPL-SN-249539	c 28	N71-15658 *	#	US-PATENT-APPL-SN-266940	c 32	N74-32598 *	#
US-PATENT-APPL-SN-235868	c 34	N83-29625 *	#	US-PATENT-APPL-SN-249540	c 15	N70-34861 *	#	US-PATENT-APPL-SN-266943	c 72	N74-19310 *	#
US-PATENT-APPL-SN-235957	c 14	N73-27376 *	#	US-PATENT-APPL-SN-249542	c 28	N70-41576 *	#	US-PATENT-APPL-SN-267178	c 74	N84-11920 *	#
US-PATENT-APPL-SN-235962	c 36	N74-11313 *	#	US-PATENT-APPL-SN-250451	c 08	N70-34787 *	#	US-PATENT-APPL-SN-267179	c 35	N84-12445 *	#
US-PATENT-APPL-SN-236052	c 14	N72-25428 *	#	US-PATENT-APPL-SN-250567	c 33	N71-24876 *	#	US-PATENT-APPL-SN-267572	c 73	N74-26767 *	#
US-PATENT-APPL-SN-236281	c 09	N73-20232 *	#	US-PATENT-APPL-SN-250585	c 32	N85-21428 *	#	US-PATENT-APPL-SN-267768	c 70	N74-21300 *	#
US-PATENT-APPL-SN-236285	c 08	N73-26175 *	#	US-PATENT-APPL-SN-250766	c 07	N73-30115 *	#	US-PATENT-APPL-SN-267862	c 33	N74-21251 *	#
US-PATENT-APPL-SN-236748	c 14	N70-40157 *	#	US-PATENT-APPL-SN-250974	c 31	N71-15664 *	#	US-PATENT-APPL-SN-267935	c 71	N83-17235 *	#
US-PATENT-APPL-SN-236749	c 15	N70-40180 *	#	US-PATENT-APPL-SN-251009	c 33	N84-16452 *	#	US-PATENT-APPL-SN-269073	c 52	N74-26625 *	#
US-PATENT-APPL-SN-236985	c 44	N74-19692 *	#	US-PATENT-APPL-SN-251449	c 07	N70-40063 *	#	US-PATENT-APPL-SN-269212	c 07	N71-10775 *	#
US-PATENT-APPL-SN-237029	c 09	N73-32108 *	#	US-PATENT-APPL-SN-251451	c 09	N70-35425 *	#	US-PATENT-APPL-SN-269215	c 14	N70-41332 *	#
US-PATENT-APPL-SN-237491	c 05	N75-12930 *	#	US-PATENT-APPL-SN-251609	c 05	N73-30078 *	#	US-PATENT-APPL-SN-269222	c 15	N70-38225 *	#
US-PATENT-APPL-SN-237694	c 35	N74-11284 *	#	US-PATENT-APPL-SN-251621	c 16	N73-32391 *	#	US-PATENT-APPL-SN-269450	c 36	N76-18427 *	#
US-PATENT-APPL-SN-238047	c 33	N74-12951 *	#	US-PATENT-APPL-SN-251752	c 24	N74-30001 *	#	US-PATENT-APPL-SN-270118	c 33	N71-17610 *	#
US-PATENT-APPL-SN-238257	c 07	N84-33410 *	#	US-PATENT-APPL-SN-251755	c 28	N70-39895 *	#	US-PATENT-APPL-SN-270763	c 36	N84-14509 *	#
US-PATENT-APPL-SN-238263	c 35	N74-10415 *	#	US-PATENT-APPL-SN-252259	c 33	N70-34545 *	#	US-PATENT-APPL-SN-271821	c 15	N71-10778 *	#
US-PATENT-APPL-SN-238264	c 37	N74-21061 *	#	US-PATENT-APPL-SN-253249	c 33	N74-11050 *	#	US-PATENT-APPL-SN-271822	c 15	N71-15967 *	#
US-PATENT-APPL-SN-238264	c 37	N74-32921 *	#	US-PATENT-APPL-SN-253405	c 10	N73-26228 *	#	US-PATENT-APPL-SN-271823	c 27	N71-28929 *	#
US-PATENT-APPL-SN-238264	c 37	N76-15461 *	#	US-PATENT-APPL-SN-253725	c 35	N74-13129 *	#	US-PATENT-APPL-SN-271824	c 07	N71-21476 *	#
US-PATENT-APPL-SN-238421	c 28	N71-29153 *	#	US-PATENT-APPL-SN-253774	c 25	N70-36946 *	#	US-PATENT-APPL-SN-271951	c 35	N74-15092 *	#
US-PATENT-APPL-SN-238785	c 44	N83-14693 *	#	US-PATENT-APPL-SN-254173	c 35	N75-13213 *	#	US-PATENT-APPL-SN-272152	c 27	N83-29388 *	#
US-PATENT-APPL-SN-238786	c 37	N83-26078 *	#	US-PATENT-APPL-SN-254177	c 10	N73-26230 *	#	US-PATENT-APPL-SN-272233	c 44	N81-27615 *	#
US-PATENT-APPL-SN-238790	c 44	N82-29708 *	#	US-PATENT-APPL-SN-254323	c 35	N76-15434 *	#	US-PATENT-APPL-SN-272234	c 25	N83-13188 *	#
US-PATENT-APPL-SN-238791	c 71	N84-14873 *	#	US-PATENT-APPL-SN-254575	c 25	N83-10126 *	#	US-PATENT-APPL-SN-272406	c 33	N84-14422 *	#
US-PATENT-APPL-SN-238826	c 28	N77-10213 *	#	US-PATENT-APPL-SN-254688	c 52	N83-27577 *	#	US-PATENT-APPL-SN-272407	c 52	N83-21785 *	#
US-PATENT-APPL-SN-238887	c 37	N81-22360 *	#	US-PATENT-APPL-SN-254847	c 15	N71-22874 *	#	US-PATENT-APPL-SN-272837	c 71	N83-36846 *	#
US-PATENT-APPL-SN-238888	c 37	N84-28082 *	#	US-PATENT-APPL-SN-25487	c 08	N72-21197 *	#	US-PATENT-APPL-SN-273222	c 33	N74-27683 *	#
US-PATENT-APPL-SN-239573	c 33	N74-10223 *	#	US-PATENT-APPL-SN-25488	c 08	N72-25206 *	#	US-PATENT-APPL-SN-273240	c 35	N74-16135 *	#
US-PATENT-APPL-SN-239574	c 09	N73-32107 *	#	US-PATENT-APPL-SN-255132	c 14	N71-15598 *	#	US-PATENT-APPL-SN-27340	c 15	N72-20442 *	#
US-PATENT-APPL-SN-239575	c 09	N74-19528 *	#	US-PATENT-APPL-SN-256317	c 52	N74-26626 *	#	US-PATENT-APPL-SN-273519	c 35	N75-25122 *	#
US-PATENT-APPL-SN-239576	c 35	N74-14935 *	#	US-PATENT-APPL-SN-256484	c 06	N70-34946 *	#	US-PATENT-APPL-SN-273534	c 09	N70-38712 *	#
US-PATENT-APPL-SN-239577	c 33	N74-13132 *	#	US-PATENT-APPL-SN-256493	c 20	N77-17143 *	#	US-PATENT-APPL-SN-274065	c 16	N71-28963 *	#
US-PATENT-APPL-SN-239803	c 70	N74-13436 *	#	US-PATENT-APPL-SN-257346	c 15	N70-36901 *	#	US-PATENT-APPL-SN-274348	c 60	N76-18800 *	#
US-PATENT-APPL-SN-240760	c 15	N71-16075 *	#	US-PATENT-APPL-SN-258152	c 35	N74-15090 *	#	US-PATENT-APPL-SN-274360	c 32	N74-20809 *	#
US-PATENT-APPL-SN-241061	c 06	N72-27151 *	#	US-PATENT-APPL-SN-258171	c 34	N74-27744 *	#	US-PATENT-APPL-SN-274705	c 44	N83-21503 *	#

REPORT NUMBER INDEX

US-PATENT-APPL-SN-336103

US-PATENT-APPL-SN-277961	c 33	N70-36617 * #	US-PATENT-APPL-SN-297128	c 32	N74-26654 * #	US-PATENT-APPL-SN-315587	c 25	N83-31743 * #
US-PATENT-APPL-SN-278790	c 15	N70-34664 * #	US-PATENT-APPL-SN-297436	c 33	N79-11314 * #	US-PATENT-APPL-SN-315588	c 05	N84-22551 * #
US-PATENT-APPL-SN-2792	c 14	N70-33386 *	US-PATENT-APPL-SN-297486	c 35	N83-24828 *	US-PATENT-APPL-SN-316477	c 18	N71-10772 * #
US-PATENT-APPL-SN-279646	c 08	N71-21042 * #	US-PATENT-APPL-SN-297488	c 37	N84-18561 * #	US-PATENT-APPL-SN-316618	c 07	N74-15453 * #
US-PATENT-APPL-SN-280029	c 35	N74-15126 * #	US-PATENT-APPL-SN-297524	c 33	N84-14424 * #	US-PATENT-APPL-SN-31702	c 16	N73-16536 * #
US-PATENT-APPL-SN-280031	c 26	N73-26752 * #	US-PATENT-APPL-SN-297524	c 33	N84-22886 * #	US-PATENT-APPL-SN-31703	c 09	N72-21244 * #
US-PATENT-APPL-SN-280032	c 35	N74-15093 * #	US-PATENT-APPL-SN-298156	c 37	N75-13261 * #	US-PATENT-APPL-SN-317310	c 36	N77-25502 * #
US-PATENT-APPL-SN-280151	c 27	N83-36220 * #	US-PATENT-APPL-SN-298156	c 26	N75-19408 * #	US-PATENT-APPL-SN-317389	c 18	N70-41583 * #
US-PATENT-APPL-SN-280153	c 51	N83-17045 * #	US-PATENT-APPL-SN-298157	c 33	N74-21850 * #	US-PATENT-APPL-SN-317391	c 15	N71-15968 * #
US-PATENT-APPL-SN-280154	c 33	N83-10345 * #	US-PATENT-APPL-SN-298789	c 14	N71-15962 * #	US-PATENT-APPL-SN-317567	c 36	N75-15029 * #
US-PATENT-APPL-SN-280155	c 24	N84-11214 * #	US-PATENT-APPL-SN-298800	c 14	N70-34705 * #	US-PATENT-APPL-SN-317658	c 36	N84-16542 * #
US-PATENT-APPL-SN-280305	c 34	N74-23039 * #	US-PATENT-APPL-SN-299042	c 15	N71-15918 * #	US-PATENT-APPL-SN-317977	c 25	N83-36118 * #
US-PATENT-APPL-SN-280362	c 14	N71-28935 * #	US-PATENT-APPL-SN-29917	c 15	N73-13465 * #	US-PATENT-APPL-SN-318151	c 75	N74-30156 * #
US-PATENT-APPL-SN-280390	c 37	N74-15128 * #	US-PATENT-APPL-SN-29917	c 26	N74-10521 * #	US-PATENT-APPL-SN-318152	c 52	N74-20728 * #
US-PATENT-APPL-SN-280580	c 12	N71-21089 * #	US-PATENT-APPL-SN-29917	c 37	N74-13179 * #	US-PATENT-APPL-SN-318357	c 35	N74-21019 * #
US-PATENT-APPL-SN-280776	c 14	N70-40273 * #	US-PATENT-APPL-SN-29979	c 09	N75-15662 * #	US-PATENT-APPL-SN-318358	c 27	N74-27037 * #
US-PATENT-APPL-SN-280777	c 08	N70-41961 * #	US-PATENT-APPL-SN-300113	c 33	N70-33344 * #	US-PATENT-APPL-SN-318443	c 03	N70-34667 * #
US-PATENT-APPL-SN-281069	c 14	N70-35394 * #	US-PATENT-APPL-SN-300113	c 15	N70-35407 * #	US-PATENT-APPL-SN-318848	c 35	N77-14408 * #
US-PATENT-APPL-SN-281175	c 21	N70-33279 * #	US-PATENT-APPL-SN-300957	c 33	N71-29053 * #	US-PATENT-APPL-SN-31885	c 10	N72-17172 * #
US-PATENT-APPL-SN-281875	c 25	N74-18551 * #	US-PATENT-APPL-SN-301039	c 37	N74-27903 * #	US-PATENT-APPL-SN-319150	c 33	N75-19519 * #
US-PATENT-APPL-SN-281876	c 52	N74-20726 * #	US-PATENT-APPL-SN-301075	c 25	N83-29324 * #	US-PATENT-APPL-SN-319140	c 37	N74-20063 * #
US-PATENT-APPL-SN-281877	c 35	N74-15146 * #	US-PATENT-APPL-SN-301077	c 33	N84-14421 * #	US-PATENT-APPL-SN-319892	c 07	N71-10609 * #
US-PATENT-APPL-SN-281908	c 25	N75-12086 * #	US-PATENT-APPL-SN-301078	c 08	N85-19985 * #	US-PATENT-APPL-SN-319893	c 14	N70-41647 * #
US-PATENT-APPL-SN-282129	c 24	N83-25789 * #	US-PATENT-APPL-SN-301417	c 71	N74-21014 * #	US-PATENT-APPL-SN-319894	c 03	N71-11053 * #
US-PATENT-APPL-SN-282191	c 35	N83-29651 * #	US-PATENT-APPL-SN-301418	c 52	N76-29894 * #	US-PATENT-APPL-SN-319905	c 14	N71-10781 * #
US-PATENT-APPL-SN-282192	c 74	N83-21949 * #	US-PATENT-APPL-SN-301419	c 34	N76-17317 * #	US-PATENT-APPL-SN-320233	c 33	N71-15625 * #
US-PATENT-APPL-SN-282298	c 33	N85-29144 * #	US-PATENT-APPL-SN-301683	c 07	N71-15907 * #	US-PATENT-APPL-SN-320595	c 26	N70-40015 * #
US-PATENT-APPL-SN-28235	c 10	N72-17171 * #	US-PATENT-APPL-SN-302681	c 37	N75-12326 * #	US-PATENT-APPL-SN-320621	c 27	N83-34040 * #
US-PATENT-APPL-SN-282817	c 15	N70-40156 * #	US-PATENT-APPL-SN-302749	c 14	N70-40201 * #	US-PATENT-APPL-SN-321179	c 27	N74-21156 * #
US-PATENT-APPL-SN-282818	c 14	N71-14996 * #	US-PATENT-APPL-SN-302913	c 76	N79-16678 * #	US-PATENT-APPL-SN-321180	c 05	N76-29217 * #
US-PATENT-APPL-SN-283502	c 37	N74-21060 * #	US-PATENT-APPL-SN-303670	c 37	N82-11469 * #	US-PATENT-APPL-SN-321656	c 14	N70-41807 * #
US-PATENT-APPL-SN-284245	c 33	N74-17928 * #	US-PATENT-APPL-SN-303671	c 31	N83-31896 * #	US-PATENT-APPL-SN-322312	c 25	N84-22709 * #
US-PATENT-APPL-SN-284265	c 14	N70-34789 * #	US-PATENT-APPL-SN-303672	c 71	N83-32516 * #	US-PATENT-APPL-SN-322314	c 35	N84-12443 * #
US-PATENT-APPL-SN-284266	c 15	N71-16077 * #	US-PATENT-APPL-SN-304430	c 52	N74-27864 * #	US-PATENT-APPL-SN-322316	c 31	N83-19947 * #
US-PATENT-APPL-SN-284286	c 44	N84-28203 * #	US-PATENT-APPL-SN-304698	c 32	N70-41579 * #	US-PATENT-APPL-SN-322317	c 46	N85-21846 * #
US-PATENT-APPL-SN-284287	c 32	N84-27951 * #	US-PATENT-APPL-SN-304705	c 32	N74-20810 * #	US-PATENT-APPL-SN-322321	c 37	N85-21651 * #
US-PATENT-APPL-SN-284288	c 33	N83-36356 * #	US-PATENT-APPL-SN-304749	c 11	N71-16028 * #	US-PATENT-APPL-SN-322545	c 14	N71-10774 * #
US-PATENT-APPL-SN-284289	c 34	N84-22903 * #	US-PATENT-APPL-SN-30498	c 37	N74-21063 * #	US-PATENT-APPL-SN-322565	c 37	N75-27376 * #
US-PATENT-APPL-SN-284290	c 33	N83-34191 * #	US-PATENT-APPL-SN-305012	c 35	N74-15094 * #	US-PATENT-APPL-SN-322997	c 37	N75-15992 * #
US-PATENT-APPL-SN-284314	c 33	N84-16454 * #	US-PATENT-APPL-SN-305013	c 14	N73-13435 * #	US-PATENT-APPL-SN-322997	c 24	N79-25143 * #
US-PATENT-APPL-SN-285705	c 37	N74-21056 * #	US-PATENT-APPL-SN-305020	c 21	N70-34295 * #	US-PATENT-APPL-SN-322998	c 03	N74-32877 * #
US-PATENT-APPL-SN-286620	c 15	N71-30028 * #	US-PATENT-APPL-SN-305638	c 34	N74-23066 * #	US-PATENT-APPL-SN-323182	c 35	N70-41864 * #
US-PATENT-APPL-SN-286824	c 44	N79-19447 * #	US-PATENT-APPL-SN-305639	c 37	N74-27904 * #	US-PATENT-APPL-SN-324029	c 32	N74-27612 * #
US-PATENT-APPL-SN-287149	c 35	N74-32878 * #	US-PATENT-APPL-SN-306652	c 33	N74-32712 * #	US-PATENT-APPL-SN-32496	c 15	N70-37925 * #
US-PATENT-APPL-SN-287150	c 37	N74-21065 * #	US-PATENT-APPL-SN-307269	c 24	N71-10560 * #	US-PATENT-APPL-SN-325082	c 35	N83-29652 * #
US-PATENT-APPL-SN-288267	c 27	N83-31854 * #	US-PATENT-APPL-SN-307270	c 10	N71-16030 * #	US-PATENT-APPL-SN-325083	c 33	N84-16456 * #
US-PATENT-APPL-SN-288267	c 27	N84-22745 * #	US-PATENT-APPL-SN-307271	c 09	N71-22999 * #	US-PATENT-APPL-SN-325784	c 24	N76-14204 * #
US-PATENT-APPL-SN-288267	c 27	N85-21347 * #	US-PATENT-APPL-SN-307714	c 03	N76-32140 * #	US-PATENT-APPL-SN-325885	c 35	N82-25484 * #
US-PATENT-APPL-SN-288847	c 33	N74-27862 * #	US-PATENT-APPL-SN-307727	c 32	N74-20813 * #	US-PATENT-APPL-SN-325886	c 33	N83-34190 * #
US-PATENT-APPL-SN-288856	c 33	N74-20859 * #	US-PATENT-APPL-SN-307728	c 34	N74-27861 * #	US-PATENT-APPL-SN-325931	c 37	N82-26674 * #
US-PATENT-APPL-SN-288857	c 14	N73-33361 * #	US-PATENT-APPL-SN-307729	c 31	N74-27900 * #	US-PATENT-APPL-SN-325932	c 33	N84-16455 * #
US-PATENT-APPL-SN-289017	c 37	N74-27905 * #	US-PATENT-APPL-SN-308007	c 44	N83-34448 * #	US-PATENT-APPL-SN-325933	c 76	N83-20789 * #
US-PATENT-APPL-SN-289018	c 08	N74-30421 * #	US-PATENT-APPL-SN-308009	c 33	N83-36355 * #	US-PATENT-APPL-SN-326198	c 35	N75-12272 * #
US-PATENT-APPL-SN-289033	c 15	N73-32358 * #	US-PATENT-APPL-SN-308201	c 27	N83-28240 * #	US-PATENT-APPL-SN-326298	c 14	N71-22765 * #
US-PATENT-APPL-SN-289033	c 37	N74-21055 * #	US-PATENT-APPL-SN-308201	c 27	N85-21349 * #	US-PATENT-APPL-SN-326299	c 26	N71-17818 * #
US-PATENT-APPL-SN-289048	c 37	N74-21057 * #	US-PATENT-APPL-SN-308203	c 34	N84-12406 * #	US-PATENT-APPL-SN-326326	c 35	N74-32879 * #
US-PATENT-APPL-SN-289049	c 19	N74-15089 * #	US-PATENT-APPL-SN-308204	c 31	N82-11312 * #	US-PATENT-APPL-SN-326327	c 44	N74-27519 * #
US-PATENT-APPL-SN-289050	c 20	N74-32919 * #	US-PATENT-APPL-SN-308204	c 44	N83-28574 * #	US-PATENT-APPL-SN-326364	c 51	N75-13502 * #
US-PATENT-APPL-SN-290021	c 37	N74-23064 * #	US-PATENT-APPL-SN-308918	c 27	N71-15634 * #	US-PATENT-APPL-SN-326664	c 11	N72-25287 * #
US-PATENT-APPL-SN-290022	c 09	N73-12214 * #	US-PATENT-APPL-SN-309291	c 37	N82-20544 * #	US-PATENT-APPL-SN-326665	c 14	N72-22444 * #
US-PATENT-APPL-SN-290030	c 33	N74-12887 * #	US-PATENT-APPL-SN-309292	c 37	N84-28085 * #	US-PATENT-APPL-SN-327163	c 03	N71-20895 * #
US-PATENT-APPL-SN-290043	c 18	N75-27040 * #	US-PATENT-APPL-SN-309293	c 25	N83-31817 * #	US-PATENT-APPL-SN-327565	c 02	N70-36825 * #
US-PATENT-APPL-SN-290867	c 28	N70-39931 * #	US-PATENT-APPL-SN-309354	c 11	N71-15926 * #	US-PATENT-APPL-SN-327921	c 54	N75-13531 * #
US-PATENT-APPL-SN-290868	c 31	N70-34966 * #	US-PATENT-APPL-SN-310034	c 32	N74-30524 * #	US-PATENT-APPL-SN-327969	c 35	N75-13213 * #
US-PATENT-APPL-SN-290873	c 15	N70-38996 * #	US-PATENT-APPL-SN-310193	c 33	N74-27682 * #	US-PATENT-APPL-SN-328140	c 18	N71-21651 * #
US-PATENT-APPL-SN-290873	c 10	N71-16058 * #	US-PATENT-APPL-SN-310506	c 10	N71-16042 * #	US-PATENT-APPL-SN-328760	c 31	N83-35177 * #
US-PATENT-APPL-SN-290915	c 32	N74-11000 * #	US-PATENT-APPL-SN-310507	c 07	N71-11298 * #	US-PATENT-APPL-SN-328792	c 35	N75-12273 * #
US-PATENT-APPL-SN-291131	c 33	N83-31953 * #	US-PATENT-APPL-SN-310615	c 37	N74-27901 * #	US-PATENT-APPL-SN-329237	c 33	N74-34638 * #
US-PATENT-APPL-SN-291132	c 33	N83-35227 * #	US-PATENT-APPL-SN-310616	c 35	N74-21017 * #	US-PATENT-APPL-SN-329243	c 28	N74-33209 * #
US-PATENT-APPL-SN-291645	c 60	N85-21992 * #	US-PATENT-APPL-SN-310624	c 33	N74-17929 * #	US-PATENT-APPL-SN-329331	c 15	N71-15906 * #
US-PATENT-APPL-SN-291845	c 52	N74-27566 * #	US-PATENT-APPL-SN-310714	c 33	N82-11360 * #	US-PATENT-APPL-SN-329595	c 05	N70-41329 * #
US-PATENT-APPL-SN-292340	c 52	N79-21750 * #	US-PATENT-APPL-SN-311175	c 52	N74-22771 * #	US-PATENT-APPL-SN-329958	c 33	N74-22885 * #
US-PATENT-APPL-SN-292382	c 27	N74-17283 * #	US-PATENT-APPL-SN-311234	c 35	N74-23040 * #	US-PATENT-APPL-SN-330209	c 15	N70-41646 * #
US-PATENT-APPL-SN-292477	c 15	N73-12495 * #	US-PATENT-APPL-SN-311387	c 23	N71-30027 * #	US-PATENT-APPL-SN-330210	c 14	N71-21090 * #
US-PATENT-APPL-SN-292596	c 10	N71-29135 * #	US-PATENT-APPL-SN-312269	c 28	N71-14043 * #	US-PATENT-APPL-SN-331323	c 07	N71-16088 * #
US-PATENT-APPL-SN-292681	c 33	N74-10194 * #	US-PATENT-APPL-SN-31242	c 28	N70-33374 * #	US-PATENT-APPL-SN-331324	c 05	N70-35152 * #
US-PATENT-APPL-SN-292682	c 14	N73-32319 * #	US-PATENT-APPL-SN-312443	c 10	N71-21473 * #	US-PATENT-APPL-SN-331325	c 10	N72-11256 * #
US-PATENT-APPL-SN-292685	c 32	N74-20864 * #	US-PATENT-APPL-SN-313132	c 28	N70-34175 * #	US-PATENT-APPL-SN-331759	c 07	N76-18117 * #
US-PATENT-APPL-SN-292686	c 20	N74-31269 * #	US-PATENT-APPL-SN-313135	c 15	N70-35087 * #	US-PATENT-APPL-SN-331760	c 35	N74-27860 * #
US-PATENT-APPL-SN-292698	c 09	N73-32109 * #	US-PATENT-APPL-SN-313136	c 09	N71-12540 * #	US-PATENT-APPL-SN-332123	c 27	N80-32514 * #
US-PATENT-APPL-SN-293412	c 27	N83-34039 * #	US-PATENT-APPL-SN-313381	c 35	N74-15091 * #	US-PATENT-APPL-SN-332313	c 21	N71-10678 * #
US-PATENT-APPL-SN-293414	c 37	N84-16560 * #	US-PATENT-APPL-SN-314074	c 15	N71-16079 * #	US-PATENT-APPL-SN-332339	c 07	N71-11284 * #
US-PATENT-APPL-SN-293417	c 37	N82-26673 * #	US-PATENT-APPL-SN-314570	c 10	N71-28960 * #	US-PATENT-APPL-SN-333535	c 74	N83-36898 * #
US-PATENT-APPL-SN-293418	c 26	N83-31795 * #	US-PATENT-APPL-SN-314572	c 14	N71-15992 * #	US-PATENT-APPL-SN-333537	c 44	N83-32176 * #
US-PATENT-APPL-SN-293419	c 33	N82-24427 * #	US-PATENT-APPL-SN-314656	c 51	N77-25769 * #	US-PATENT-APPL-SN-333766	c 31	N71-15663 * #
US-PATENT-APPL-SN-293725	c 89	N74-30886 * #	US-PATENT-APPL-SN-314702	c 71	N84-16940 * #	US-PATENT-APPL-SN-333770	c 21	N71-15583 * #
US-PATENT-APPL-SN-293726	c 37	N74-21055 * #	US-PATENT-APPL-SN-314928	c 32	N84-34651 * #	US-PATENT-APPL-SN-333912	c 32	N74-19790 * #
US-PATENT-APPL-SN-293727	c 33	N74-14956 * #	US-PATENT-APPL-SN-314929	c 71	N83-32515 * #	US-PATENT-APPL-SN-33398	c 14	N70-35587 * #
US-PATENT-APPL-SN-293739	c 35	N74-28097 * #	US-PATENT-APPL-SN-315048	c 34	N74-27730 * #	US-PATENT-APPL-SN-334349	c 35	N75-19611 * #
US-PATENT-APPL-SN-294727	c 73	N77-18891 * #	US-PATENT-APPL-SN-315069	c 33	N74-20862 * #	US-PATENT-APPL-SN-334672	c 11	N70-41330 * #
US-PATENT-APPL-SN-294738	c 73	N78-28913 * #						

Table with multiple columns containing patent application numbers (e.g., US-PATENT-APPL-SN-336319), serial numbers (e.g., c 44), and associated report numbers (e.g., N74-33379).

REPORT NUMBER INDEX

US-PATENT-APPL-SN-436316

US-PATENT-APPL-SN-388024	c 32	N71-17609 *	US-PATENT-APPL-SN-403371	c 27	N82-33523 * #	US-PATENT-APPL-SN-42022	c 15	N70-35409 * #
US-PATENT-APPL-SN-38814	c 10	N72-11385 *	US-PATENT-APPL-SN-403378	c 26	N84-33555 * #	US-PATENT-APPL-SN-420245	c 08	N71-22749 * #
US-PATENT-APPL-SN-38816	c 75	N74-13436 #	US-PATENT-APPL-SN-403694	c 54	N75-12616 #	US-PATENT-APPL-SN-420250	c 15	N71-23051 * #
US-PATENT-APPL-SN-38816	c 74	N78-15879 #	US-PATENT-APPL-SN-403695	c 35	N77-20399 #	US-PATENT-APPL-SN-420424	c 34	N75-26282 * #
US-PATENT-APPL-SN-388966	c 31	N70-41855 * #	US-PATENT-APPL-SN-403847	c 31	N83-35176 #	US-PATENT-APPL-SN-420466	c 14	N71-23092 * #
US-PATENT-APPL-SN-388967	c 10	N71-23271 * #	US-PATENT-APPL-SN-403848	c 33	N85-21493 #	US-PATENT-APPL-SN-420813	c 36	N75-32441 * #
US-PATENT-APPL-SN-389916	c 18	N75-27041 * #	US-PATENT-APPL-SN-403849	c 35	N82-33681 * #	US-PATENT-APPL-SN-420888	c 34	N78-17336 #
US-PATENT-APPL-SN-389929	c 33	N75-25040 #	US-PATENT-APPL-SN-403959	c 14	N70-41994 #	US-PATENT-APPL-SN-421702	c 34	N75-32581 #
US-PATENT-APPL-SN-390049	c 37	N76-16446 #	US-PATENT-APPL-SN-403960	c 14	N70-41366 #	US-PATENT-APPL-SN-421702	c 44	N76-23675 #
US-PATENT-APPL-SN-390049	c 44	N76-29700 #	US-PATENT-APPL-SN-404212	c 14	N73-32324 #	US-PATENT-APPL-SN-422092	c 14	N71-22989 #
US-PATENT-APPL-SN-390250	c 21	N70-41856 #	US-PATENT-APPL-SN-404809	c 27	N84-27885 * #	US-PATENT-APPL-SN-422095	c 07	N71-10676 #
US-PATENT-APPL-SN-390251	c 07	N71-23026 #	US-PATENT-APPL-SN-404809	c 25	N85-28982 * #	US-PATENT-APPL-SN-422096	c 03	N71-29044 #
US-PATENT-APPL-SN-390466	c 24	N75-13032 #	US-PATENT-APPL-SN-405341	c 37	N76-15460 #	US-PATENT-APPL-SN-422097	c 11	N71-21481 #
US-PATENT-APPL-SN-390468	c 36	N75-19652 #	US-PATENT-APPL-SN-405342	c 35	N75-19615 #	US-PATENT-APPL-SN-422098	c 15	N71-22797 #
US-PATENT-APPL-SN-391343	c 05	N69-21473 #	US-PATENT-APPL-SN-405346	c 37	N75-30562 #	US-PATENT-APPL-SN-422099	c 14	N71-22964 #
US-PATENT-APPL-SN-39185	c 16	N72-25485 * #	US-PATENT-APPL-SN-405629	c 09	N71-10677 #	US-PATENT-APPL-SN-422864	c 05	N69-21925 * #
US-PATENT-APPL-SN-392092	c 51	N84-28361 #	US-PATENT-APPL-SN-405630	c 14	N71-10616 #	US-PATENT-APPL-SN-422865	c 31	N70-41631 * #
US-PATENT-APPL-SN-392093	c 33	N82-28549 #	US-PATENT-APPL-SN-405632	c 21	N71-15582 #	US-PATENT-APPL-SN-422867	c 15	N70-40062 * #
US-PATENT-APPL-SN-392094	c 37	N85-29283 #	US-PATENT-APPL-SN-406097	c 14	N71-21088 #	US-PATENT-APPL-SN-422868	c 15	N71-10617 #
US-PATENT-APPL-SN-392096	c 02	N84-11136 #	US-PATENT-APPL-SN-406296	c 25	N79-10163 #	US-PATENT-APPL-SN-422869	c 14	N71-10779 #
US-PATENT-APPL-SN-392103	c 44	N84-28204 #	US-PATENT-APPL-SN-406715	c 35	N75-15014 #	US-PATENT-APPL-SN-423016	c 36	N85-21631 * #
US-PATENT-APPL-SN-392104	c 37	N85-20338 #	US-PATENT-APPL-SN-406820	c 74	N83-13982 #	US-PATENT-APPL-SN-423412	c 08	N71-22989 #
US-PATENT-APPL-SN-392823	c 25	N74-33378 #	US-PATENT-APPL-SN-407240	c 27	N83-34041 #	US-PATENT-APPL-SN-424013	c 34	N76-27517 #
US-PATENT-APPL-SN-392944	c 76	N85-29800 #	US-PATENT-APPL-SN-407240	c 27	N85-20124 #	US-PATENT-APPL-SN-424038	c 24	N75-30260 #
US-PATENT-APPL-SN-392965	c 18	N71-22998 #	US-PATENT-APPL-SN-407323	c 32	N75-21485 #	US-PATENT-APPL-SN-424153	c 15	N71-21234 #
US-PATENT-APPL-SN-392969	c 09	N71-23573 #	US-PATENT-APPL-SN-407595	c 28	N70-41992 #	US-PATENT-APPL-SN-424156	c 02	N71-23007 #
US-PATENT-APPL-SN-392970	c 32	N70-41367 #	US-PATENT-APPL-SN-407599	c 14	N71-21091 #	US-PATENT-APPL-SN-424157	c 28	N70-41275 #
US-PATENT-APPL-SN-392973	c 07	N71-23001 #	US-PATENT-APPL-SN-407603	c 05	N71-11199 #	US-PATENT-APPL-SN-425096	c 05	N71-23080 #
US-PATENT-APPL-SN-392992	c 15	N71-23052 #	US-PATENT-APPL-SN-408266	c 25	N83-19826 #	US-PATENT-APPL-SN-425201	c 33	N84-15395 #
US-PATENT-APPL-SN-39342	c 09	N72-25252 #	US-PATENT-APPL-SN-408435	c 15	N71-28937 #	US-PATENT-APPL-SN-425202	c 74	N85-34629 #
US-PATENT-APPL-SN-39343	c 34	N74-18552 #	US-PATENT-APPL-SN-408438	c 07	N71-22750 #	US-PATENT-APPL-SN-425203	c 35	N84-22930 #
US-PATENT-APPL-SN-39344	c 14	N72-25409 #	US-PATENT-APPL-SN-408442	c 10	N71-23662 #	US-PATENT-APPL-SN-425204	c 32	N85-29117 #
US-PATENT-APPL-SN-393451	c 02	N70-42016 #	US-PATENT-APPL-SN-408575	c 35	N83-32026 #	US-PATENT-APPL-SN-425205	c 35	N85-21595 #
US-PATENT-APPL-SN-393456	c 33	N83-16633 #	US-PATENT-APPL-SN-409126	c 18	N71-21088 #	US-PATENT-APPL-SN-425362	c 15	N71-10658 #
US-PATENT-APPL-SN-393461	c 31	N71-17691 #	US-PATENT-APPL-SN-409678	c 09	N84-27749 #	US-PATENT-APPL-SN-425363	c 09	N71-20658 #
US-PATENT-APPL-SN-393464	c 23	N71-21821 #	US-PATENT-APPL-SN-409679	c 33	N82-33634 #	US-PATENT-APPL-SN-425364	c 33	N71-15623 #
US-PATENT-APPL-SN-393523	c 12	N75-24774 #	US-PATENT-APPL-SN-409679	c 33	N84-22884 #	US-PATENT-APPL-SN-425365	c 32	N71-21045 #
US-PATENT-APPL-SN-393524	c 60	N76-21914 #	US-PATENT-APPL-SN-409680	c 35	N85-20294 #	US-PATENT-APPL-SN-425972	c 03	N71-23006 #
US-PATENT-APPL-SN-393525	c 31	N74-32917 #	US-PATENT-APPL-SN-409990	c 35	N75-27330 #	US-PATENT-APPL-SN-426155	c 33	N75-15874 #
US-PATENT-APPL-SN-393526	c 77	N75-20139 #	US-PATENT-APPL-SN-409991	c 33	N75-13139 #	US-PATENT-APPL-SN-426405	c 25	N75-26043 #
US-PATENT-APPL-SN-393527	c 15	N75-13007 #	US-PATENT-APPL-SN-410325	c 18	N71-23088 #	US-PATENT-APPL-SN-426455	c 28	N71-15661 #
US-PATENT-APPL-SN-393528	c 36	N75-19654 #	US-PATENT-APPL-SN-410326	c 09	N71-21449 #	US-PATENT-APPL-SN-426702	c 15	N70-42034 #
US-PATENT-APPL-SN-393581	c 54	N84-23113 #	US-PATENT-APPL-SN-410330	c 26	N71-23043 #	US-PATENT-APPL-SN-427395	c 54	N75-27760 #
US-PATENT-APPL-SN-393582	c 37	N85-21649 #	US-PATENT-APPL-SN-410331	c 02	N70-41589 #	US-PATENT-APPL-SN-427775	c 27	N76-22376 #
US-PATENT-APPL-SN-393583	c 27	N83-29392 #	US-PATENT-APPL-SN-410332	c 14	N71-23039 #	US-PATENT-APPL-SN-427990	c 06	N71-23527 #
US-PATENT-APPL-SN-393584	c 37	N85-30334 #	US-PATENT-APPL-SN-411572	c 35	N75-15932 #	US-PATENT-APPL-SN-428444	c 44	N76-18642 #
US-PATENT-APPL-SN-393585	c 37	N82-31690 #	US-PATENT-APPL-SN-411767	c 74	N83-30222 #	US-PATENT-APPL-SN-428444	c 44	N76-29704 #
US-PATENT-APPL-SN-393586	c 54	N84-28484 #	US-PATENT-APPL-SN-411896	c 76	N83-18533 #	US-PATENT-APPL-SN-428882	c 31	N70-41948 #
US-PATENT-APPL-SN-393588	c 25	N84-16276 #	US-PATENT-APPL-SN-411944	c 15	N70-41629 #	US-PATENT-APPL-SN-428887	c 33	N71-29051 #
US-PATENT-APPL-SN-394149	c 35	N75-25123 #	US-PATENT-APPL-SN-411945	c 18	N71-23047 #	US-PATENT-APPL-SN-428890	c 02	N70-41630 #
US-PATENT-APPL-SN-394206	c 76	N75-25730 #	US-PATENT-APPL-SN-411949	c 27	N71-15635 #	US-PATENT-APPL-SN-428992	c 34	N77-18382 #
US-PATENT-APPL-SN-394207	c 25	N78-27226 #	US-PATENT-APPL-SN-412039	c 06	N84-34443 #	US-PATENT-APPL-SN-428993	c 45	N75-27585 #
US-PATENT-APPL-SN-394280	c 54	N82-29002 #	US-PATENT-APPL-SN-412079	c 37	N75-13266 #	US-PATENT-APPL-SN-428994	c 32	N75-21486 #
US-PATENT-APPL-SN-394345	c 27	N82-32490 #	US-PATENT-APPL-SN-412080	c 36	N75-19653 #	US-PATENT-APPL-SN-428994	c 32	N76-16249 #
US-PATENT-APPL-SN-394638	c 28	N70-34162 #	US-PATENT-APPL-SN-412379	c 32	N77-10392 #	US-PATENT-APPL-SN-428995	c 51	N75-25503 #
US-PATENT-APPL-SN-394698	c 07	N77-28118 #	US-PATENT-APPL-SN-41345	c 09	N72-29172 #	US-PATENT-APPL-SN-429437	c 35	N75-23910 #
US-PATENT-APPL-SN-395348	c 15	N71-22713 #	US-PATENT-APPL-SN-41346	c 15	N72-24522 #	US-PATENT-APPL-SN-429932	c 05	N71-20268 #
US-PATENT-APPL-SN-395493	c 37	N79-13364 #	US-PATENT-APPL-SN-41347	c 09	N72-25256 #	US-PATENT-APPL-SN-430192	c 18	N71-27170 #
US-PATENT-APPL-SN-395495	c 54	N75-27759 #	US-PATENT-APPL-SN-41348	c 09	N72-23173 #	US-PATENT-APPL-SN-430226	c 18	N71-23658 #
US-PATENT-APPL-SN-395687	c 37	N75-18573 #	US-PATENT-APPL-SN-413661	c 15	N71-23024 #	US-PATENT-APPL-SN-430496	c 26	N75-29236 #
US-PATENT-APPL-SN-395868	c 33	N75-19516 #	US-PATENT-APPL-SN-413662	c 09	N70-41929 #	US-PATENT-APPL-SN-430748	c 76	N79-21910 #
US-PATENT-APPL-SN-395895	c 36	N78-17366 #	US-PATENT-APPL-SN-414042	c 35	N79-17192 #	US-PATENT-APPL-SN-430778	c 03	N70-41954 #
US-PATENT-APPL-SN-396443	c 15	N71-15986 #	US-PATENT-APPL-SN-414043	c 27	N76-32315 #	US-PATENT-APPL-SN-430777	c 18	N71-24184 #
US-PATENT-APPL-SN-396444	c 10	N71-20782 #	US-PATENT-APPL-SN-414104	c 03	N73-20039 #	US-PATENT-APPL-SN-430778	c 03	N71-10728 #
US-PATENT-APPL-SN-397281	c 76	N83-34796 #	US-PATENT-APPL-SN-414106	c 54	N84-16803 #	US-PATENT-APPL-SN-430780	c 03	N71-12260 #
US-PATENT-APPL-SN-397476	c 33	N75-12222 #	US-PATENT-APPL-SN-414107	c 35	N84-22932 #	US-PATENT-APPL-SN-431235	c 15	N71-16052 #
US-PATENT-APPL-SN-397477	c 34	N75-19517 #	US-PATENT-APPL-SN-414237	c 35	N85-30282 #	US-PATENT-APPL-SN-431420	c 37	N85-29282 #
US-PATENT-APPL-SN-397478	c 52	N75-33640 #	US-PATENT-APPL-SN-41430	c 10	N72-20221 #	US-PATENT-APPL-SN-431448	c 37	N84-22957 #
US-PATENT-APPL-SN-39755	c 08	N72-21198 #	US-PATENT-APPL-SN-41431	c 37	N77-27400 #	US-PATENT-APPL-SN-431886	c 18	N84-27787 #
US-PATENT-APPL-SN-397665	c 10	N70-41991 #	US-PATENT-APPL-SN-414482	c 10	N71-10578 #	US-PATENT-APPL-SN-432025	c 15	N71-21531 #
US-PATENT-APPL-SN-398131	c 05	N70-41297 #	US-PATENT-APPL-SN-41455	c 02	N70-33255 #	US-PATENT-APPL-SN-432026	c 07	N71-23405 #
US-PATENT-APPL-SN-398132	c 15	N70-41808 #	US-PATENT-APPL-SN-415486	c 37	N75-19683 #	US-PATENT-APPL-SN-432027	c 21	N70-41930 #
US-PATENT-APPL-SN-398885	c 27	N76-15310 #	US-PATENT-APPL-SN-415878	c 08	N83-12098 #	US-PATENT-APPL-SN-432028	c 15	N71-22723 #
US-PATENT-APPL-SN-398886	c 07	N75-24736 #	US-PATENT-APPL-SN-415879	c 37	N85-21652 #	US-PATENT-APPL-SN-432030	c 12	N71-20896 #
US-PATENT-APPL-SN-398901	c 37	N75-25186 #	US-PATENT-APPL-SN-415880	c 27	N84-27884 #	US-PATENT-APPL-SN-432032	c 15	N69-24322 #
US-PATENT-APPL-SN-399074	c 33	N83-13360 #	US-PATENT-APPL-SN-415960	c 37	N85-20337 #	US-PATENT-APPL-SN-432057	c 33	N84-14423 #
US-PATENT-APPL-SN-399419	c 21	N71-23289 #	US-PATENT-APPL-SN-416135	c 32	N75-15854 #	US-PATENT-APPL-SN-432433	c 15	N71-22705 #
US-PATENT-APPL-SN-400467	c 33	N75-30431 #	US-PATENT-APPL-SN-416443	c 74	N83-12992 #	US-PATENT-APPL-SN-433196	c 44	N84-23019 #
US-PATENT-APPL-SN-400613	c 15	N71-21528 #	US-PATENT-APPL-SN-416938	c 11	N71-10746 #	US-PATENT-APPL-SN-43327	c 15	N72-26371 #
US-PATENT-APPL-SN-400617	c 31	N71-17629 #	US-PATENT-APPL-SN-416940	c 21	N71-21708 #	US-PATENT-APPL-SN-433598	c 27	N84-22747 #
US-PATENT-APPL-SN-400857	c 31	N79-21225 #	US-PATENT-APPL-SN-416941	c 31	N70-34159 #	US-PATENT-APPL-SN-433821	c 09	N71-16089 #
US-PATENT-APPL-SN-401224	c 38	N78-17396 #	US-PATENT-APPL-SN-416943	c 14	N71-23269 #	US-PATENT-APPL-SN-433968	c 33	N75-25041 #
US-PATENT-APPL-SN-401225	c 38	N78-17395 #	US-PATENT-APPL-SN-416945	c 10	N71-23543 #	US-PATENT-APPL-SN-434084	c 33	N84-27974 #
US-PATENT-APPL-SN-401282	c 18	N85-29991 #	US-PATENT-APPL-SN-416946	c 28	N71-15663 #	US-PATENT-APPL-SN-434085	c 33	N85-29145 #
US-PATENT-APPL-SN-401288	c 37	N84-28081 #	US-PATENT-APPL-SN-417253	c 11	N71-23042 #	US-PATENT-APPL-SN-434087	c 27	N83-17715 #
US-PATENT-APPL-SN-401466	c 09	N75-24758 #	US-PATENT-APPL-SN-418137	c 16	N84-22601 #	US-PATENT-APPL-SN-434143	c 15	N71-15871 #
US-PATENT-APPL-SN-401919	c 24	N76-24363 #	US-PATENT-APPL-SN-418138	c 16	N84-27784 #	US-PATENT-APPL-SN-434148	c 31	N71-24750 #
US-PATENT-APPL-SN-401920	c 37	N75-25185 #	US-PATENT-APPL-SN-418139	c 24	N84-27829 #	US-PATENT-APPL-SN-434672	c 34	N84-14461 #
US-PATENT-APPL-SN-401921	c 24	N76-14203 #	US-PATENT-APPL-SN-418362	c 14	N71-20741 #	US-PATENT-APPL-SN-434674	c 34	N83-35307 #
US-PATENT-APPL-SN-402205	c 33	N85-30187 #	US-PATENT-APPL-SN-418931	c 05	N70-42000 #	US-PATENT-APPL-SN-435387	c 10	N70-42032 #
US-PATENT-APPL-SN-402365	c 31	N71-17730 #	US-PATENT-APPL-SN-418933	c 15	N71-23022 #	US-PATENT-APPL-SN-435433	c 14	N71-30026 #
US-PATENT-APPL-SN-402865	c 33	N74-32660 #	US-PATENT-APPL-SN-419319					

US-PATENT-APPL-SN-436317	c 37	N76-24575	#	US-PATENT-APPL-SN-456581	c 09	N71-23021	*	US-PATENT-APPL-SN-47443	c 09	N72-17152	#
US-PATENT-APPL-SN-437556	c 27	N76-16230	#	US-PATENT-APPL-SN-456874	c 06	N71-23499	*	US-PATENT-APPL-SN-474531	c 31	N71-23009	*
US-PATENT-APPL-SN-437611	c 09	N71-22796	*	US-PATENT-APPL-SN-456915	c 02	N83-19715	#	US-PATENT-APPL-SN-474744	c 35	N76-14431	#
US-PATENT-APPL-SN-437912	c 03	N85-29142	#	US-PATENT-APPL-SN-457295	c 20	N75-24837	#	US-PATENT-APPL-SN-474745	c 37	N76-14463	#
US-PATENT-APPL-SN-437913	c 33	N83-12334	#	US-PATENT-APPL-SN-457874	c 09	N71-23545	*	US-PATENT-APPL-SN-474815	c 33	N79-21264	*
US-PATENT-APPL-SN-437914	c 33	N83-12332	#	US-PATENT-APPL-SN-457875	c 31	N70-42015	#	US-PATENT-APPL-SN-475299	c 31	N71-17679	*
US-PATENT-APPL-SN-437917	c 60	N85-33701	#	US-PATENT-APPL-SN-457876	c 02	N71-12243	#	US-PATENT-APPL-SN-475336	c 54	N75-27758	#
US-PATENT-APPL-SN-438135	c 09	N71-23027	*	US-PATENT-APPL-SN-457879	c 15	N71-21078	#	US-PATENT-APPL-SN-475337	c 51	N76-29891	#
US-PATENT-APPL-SN-438147	c 75	N76-14931	#	US-PATENT-APPL-SN-457990	c 85	N85-34722	#	US-PATENT-APPL-SN-475338	c 35	N76-15431	#
US-PATENT-APPL-SN-438446	c 37	N83-17882	#	US-PATENT-APPL-SN-457992	c 35	N85-29212	#	US-PATENT-APPL-SN-476244	c 33	N84-22885	#
US-PATENT-APPL-SN-438797	c 14	N71-10500	#	US-PATENT-APPL-SN-458484	c 44	N76-14595	#	US-PATENT-APPL-SN-476759	c 03	N70-42073	#
US-PATENT-APPL-SN-438883	c 18	N73-30532	#	US-PATENT-APPL-SN-459138	c 14	N71-10773	#	US-PATENT-APPL-SN-476761	c 11	N71-10748	#
US-PATENT-APPL-SN-43884	c 15	N72-25457	#	US-PATENT-APPL-SN-459407	c 14	N73-30391	#	US-PATENT-APPL-SN-476763	c 09	N69-21313	#
US-PATENT-APPL-SN-439489	c 09	N70-41717	#	US-PATENT-APPL-SN-459736	c 33	N75-26245	#	US-PATENT-APPL-SN-477333	c 28	N70-41922	#
US-PATENT-APPL-SN-439490	c 23	N69-24332	#	US-PATENT-APPL-SN-459842	c 35	N85-30281	#	US-PATENT-APPL-SN-478129	c 25	N83-29325	#
US-PATENT-APPL-SN-440033	c 27	N70-41897	#	US-PATENT-APPL-SN-460509	c 37	N84-33807	#	US-PATENT-APPL-SN-478130	c 74	N85-23936	#
US-PATENT-APPL-SN-440036	c 09	N71-23097	*	US-PATENT-APPL-SN-460511	c 33	N83-21238	#	US-PATENT-APPL-SN-478131	c 26	N83-24639	#
US-PATENT-APPL-SN-440039	c 09	N71-22888	*	US-PATENT-APPL-SN-460733	c 37	N83-20154	#	US-PATENT-APPL-SN-478491	c 14	N69-21363	#
US-PATENT-APPL-SN-440656	c 27	N85-21348	#	US-PATENT-APPL-SN-460876	c 09	N69-21470	#	US-PATENT-APPL-SN-478800	c 37	N76-19436	#
US-PATENT-APPL-SN-440916	c 33	N75-27252	#	US-PATENT-APPL-SN-460877	c 33	N71-23085	*	US-PATENT-APPL-SN-478802	c 06	N74-27872	#
US-PATENT-APPL-SN-440917	c 37	N76-18459	#	US-PATENT-APPL-SN-461073	c 33	N75-26426	#	US-PATENT-APPL-SN-478803	c 35	N75-29381	#
US-PATENT-APPL-SN-441279	c 35	N75-29382	#	US-PATENT-APPL-SN-461477	c 37	N75-19686	#	US-PATENT-APPL-SN-478803	c 31	N76-14284	#
US-PATENT-APPL-SN-441897	c 35	N84-33768	#	US-PATENT-APPL-SN-461714	c 37	N83-20152	#	US-PATENT-APPL-SN-479353	c 15	N71-23256	#
US-PATENT-APPL-SN-441899	c 27	N84-14322	#	US-PATENT-APPL-SN-461724	c 31	N85-21404	#	US-PATENT-APPL-SN-479357	c 36	N77-19416	#
US-PATENT-APPL-SN-441936	c 14	N69-39975	#	US-PATENT-APPL-SN-461765	c 17	N71-23046	#	US-PATENT-APPL-SN-480210	c 11	N71-21474	*
US-PATENT-APPL-SN-442558	c 15	N71-10799	#	US-PATENT-APPL-SN-461788	c 27	N85-21349	#	US-PATENT-APPL-SN-480211	c 14	N71-26135	*
US-PATENT-APPL-SN-442835	c 26	N71-29156	*	US-PATENT-APPL-SN-462341	c 44	N76-31666	#	US-PATENT-APPL-SN-481020	c 36	N83-29681	#
US-PATENT-APPL-SN-444087	c 02	N71-11041	#	US-PATENT-APPL-SN-462424	c 24	N77-19171	#	US-PATENT-APPL-SN-481086	c 33	N84-33660	#
US-PATENT-APPL-SN-444124	c 52	N84-23095	#	US-PATENT-APPL-SN-462497	c 25	N85-21279	#	US-PATENT-APPL-SN-481106	c 09	N84-34448	#
US-PATENT-APPL-SN-444125	c 20	N83-17588	#	US-PATENT-APPL-SN-462508	c 35	N83-20085	#	US-PATENT-APPL-SN-482104	c 27	N76-23277	#
US-PATENT-APPL-SN-444149	c 47	N84-28292	#	US-PATENT-APPL-SN-462705	c 37	N75-19684	#	US-PATENT-APPL-SN-482105	c 27	N76-23426	#
US-PATENT-APPL-SN-444150	c 35	N84-22933	#	US-PATENT-APPL-SN-462762	c 12	N69-21466	#	US-PATENT-APPL-SN-482300	c 15	N71-21060	#
US-PATENT-APPL-SN-445178	c 37	N76-15461	#	US-PATENT-APPL-SN-462763	c 14	N71-22991	#	US-PATENT-APPL-SN-482311	c 05	N71-22748	#
US-PATENT-APPL-SN-445292	c 11	N71-23030	#	US-PATENT-APPL-SN-462844	c 33	N75-19520	#	US-PATENT-APPL-SN-482313	c 11	N69-24321	#
US-PATENT-APPL-SN-445398	c 74	N78-15880	#	US-PATENT-APPL-SN-462903	c 37	N76-14461	#	US-PATENT-APPL-SN-482670	c 14	N71-21007	*
US-PATENT-APPL-SN-445807	c 14	N71-22996	#	US-PATENT-APPL-SN-463440	c 44	N83-29805	#	US-PATENT-APPL-SN-482952	c 09	N71-28926	#
US-PATENT-APPL-SN-446071	c 25	N82-29370	#	US-PATENT-APPL-SN-463456	c 37	N85-30333	#	US-PATENT-APPL-SN-482953	c 74	N76-18913	#
US-PATENT-APPL-SN-446131	c 14	N71-22992	#	US-PATENT-APPL-SN-463925	c 74	N76-30053	#	US-PATENT-APPL-SN-482967	c 34	N76-18364	#
US-PATENT-APPL-SN-446560	c 12	N76-15189	#	US-PATENT-APPL-SN-464720	c 32	N76-16249	#	US-PATENT-APPL-SN-483301	c 36	N77-26477	#
US-PATENT-APPL-SN-446562	c 36	N76-14447	#	US-PATENT-APPL-SN-464721	c 37	N75-26372	#	US-PATENT-APPL-SN-483817	c 27	N79-21190	#
US-PATENT-APPL-SN-446564	c 35	N75-26334	#	US-PATENT-APPL-SN-464722	c 35	N76-22509	#	US-PATENT-APPL-SN-483850	c 37	N76-14460	#
US-PATENT-APPL-SN-446567	c 34	N76-27515	#	US-PATENT-APPL-SN-464723	c 33	N75-30429	#	US-PATENT-APPL-SN-483851	c 35	N76-15435	#
US-PATENT-APPL-SN-446568	c 37	N76-23570	#	US-PATENT-APPL-SN-464878	c 10	N71-22986	*	US-PATENT-APPL-SN-483852	c 33	N75-30430	#
US-PATENT-APPL-SN-446569	c 77	N75-20140	#	US-PATENT-APPL-SN-464879	c 14	N71-21072	*	US-PATENT-APPL-SN-483857	c 44	N76-14601	#
US-PATENT-APPL-SN-447124	c 35	N75-30503	#	US-PATENT-APPL-SN-464880	c 33	N71-21586	*	US-PATENT-APPL-SN-483858	c 35	N76-18400	#
US-PATENT-APPL-SN-447371	c 27	N84-22746	#	US-PATENT-APPL-SN-464885	c 15	N71-22997	*	US-PATENT-APPL-SN-483885	c 04	N71-23185	*
US-PATENT-APPL-SN-447927	c 11	N71-10776	#	US-PATENT-APPL-SN-465363	c 52	N84-28389	#	US-PATENT-APPL-SN-483886	c 09	N71-22988	#
US-PATENT-APPL-SN-447928	c 15	N71-10577	#	US-PATENT-APPL-SN-465364	c 44	N85-20530	#	US-PATENT-APPL-SN-483891	c 14	N69-39982	#
US-PATENT-APPL-SN-447930	c 14	N69-39986	#	US-PATENT-APPL-SN-465365	c 43	N83-20324	#	US-PATENT-APPL-SN-484156	c 11	N71-21475	*
US-PATENT-APPL-SN-447933	c 03	N69-21337	#	US-PATENT-APPL-SN-465366	c 27	N85-20126	#	US-PATENT-APPL-SN-484208	c 35	N75-30502	#
US-PATENT-APPL-SN-448320	c 91	N76-30131	#	US-PATENT-APPL-SN-465367	c 27	N84-22748	#	US-PATENT-APPL-SN-484209	c 35	N76-18403	#
US-PATENT-APPL-SN-448321	c 27	N78-32261	#	US-PATENT-APPL-SN-465369	c 76	N83-21993	#	US-PATENT-APPL-SN-484485	c 01	N71-23497	*
US-PATENT-APPL-SN-448323	c 18	N76-17185	#	US-PATENT-APPL-SN-465370	c 52	N83-29991	#	US-PATENT-APPL-SN-484489	c 10	N71-15909	#
US-PATENT-APPL-SN-448325	c 33	N75-26244	#	US-PATENT-APPL-SN-466390	c 28	N71-20330	#	US-PATENT-APPL-SN-484490	c 24	N71-20518	#
US-PATENT-APPL-SN-448365	c 10	N71-26414	*	US-PATENT-APPL-SN-466868	c 22	N71-23599	#	US-PATENT-APPL-SN-484745	c 35	N85-20295	#
US-PATENT-APPL-SN-448881	c 32	N85-29118	#	US-PATENT-APPL-SN-466873	c 17	N71-20743	#	US-PATENT-APPL-SN-484855	c 09	N71-19480	#
US-PATENT-APPL-SN-448898	c 15	N70-41310	#	US-PATENT-APPL-SN-466875	c 08	N71-22707	#	US-PATENT-APPL-SN-485058	c 06	N71-23500	*
US-PATENT-APPL-SN-449118	c 33	N75-19524	#	US-PATENT-APPL-SN-467820	c 28	N71-26779	#	US-PATENT-APPL-SN-485656	c 28	N71-10574	#
US-PATENT-APPL-SN-449153	c 54	N75-27761	#	US-PATENT-APPL-SN-468614	c 60	N77-14751	#	US-PATENT-APPL-SN-485957	c 25	N71-21694	*
US-PATENT-APPL-SN-449901	c 28	N70-41967	#	US-PATENT-APPL-SN-468614	c 60	N77-32731	#	US-PATENT-APPL-SN-485958	c 15	N71-24047	*
US-PATENT-APPL-SN-449902	c 14	N70-41681	#	US-PATENT-APPL-SN-468614	c 60	N78-10709	#	US-PATENT-APPL-SN-485960	c 15	N70-42017	#
US-PATENT-APPL-SN-450166	c 33	N84-27975	#	US-PATENT-APPL-SN-468647	c 21	N71-10771	#	US-PATENT-APPL-SN-48621	c 20	N78-32179	#
US-PATENT-APPL-SN-450319	c 33	N84-33661	#	US-PATENT-APPL-SN-468655	c 15	N69-21471	#	US-PATENT-APPL-SN-486470	c 44	N85-21768	#
US-PATENT-APPL-SN-450500	c 37	N76-18455	#	US-PATENT-APPL-SN-469011	c 11	N69-21540	#	US-PATENT-APPL-SN-486471	c 33	N85-21492	#
US-PATENT-APPL-SN-450502	c 37	N76-18456	#	US-PATENT-APPL-SN-469012	c 25	N71-20747	#	US-PATENT-APPL-SN-486573	c 10	N71-19469	#
US-PATENT-APPL-SN-450504	c 23	N77-17161	#	US-PATENT-APPL-SN-469013	c 14	N69-27423	#	US-PATENT-APPL-SN-486884	c 15	N73-32362	#
US-PATENT-APPL-SN-450505	c 37	N75-31446	#	US-PATENT-APPL-SN-469884	c 37	N83-20157	#	US-PATENT-APPL-SN-487156	c 44	N77-10636	#
US-PATENT-APPL-SN-45053	c 33	N75-31330	#	US-PATENT-APPL-SN-469885	c 37	N83-20156	#	US-PATENT-APPL-SN-487341	c 14	N71-19431	#
US-PATENT-APPL-SN-451596	c 17	N71-29137	#	US-PATENT-APPL-SN-469886	c 27	N84-22749	#	US-PATENT-APPL-SN-487342	c 09	N71-21583	#
US-PATENT-APPL-SN-451896	c 26	N83-19890	#	US-PATENT-APPL-SN-470113	c 17	N83-20995	#	US-PATENT-APPL-SN-487343	c 03	N69-39890	#
US-PATENT-APPL-SN-452464	c 24	N84-11213	#	US-PATENT-APPL-SN-470114	c 25	N83-24572	#	US-PATENT-APPL-SN-487344	c 15	N69-21472	#
US-PATENT-APPL-SN-452465	c 25	N83-17628	#	US-PATENT-APPL-SN-470428	c 33	N76-16332	#	US-PATENT-APPL-SN-487352	c 14	N71-18699	#
US-PATENT-APPL-SN-452466	c 03	N84-33994	#	US-PATENT-APPL-SN-470429	c 33	N75-31329	#	US-PATENT-APPL-SN-487852	c 23	N76-15268	#
US-PATENT-APPL-SN-452761	c 33	N75-19522	#	US-PATENT-APPL-SN-47061	c 26	N72-25680	#	US-PATENT-APPL-SN-487929	c 33	N74-20859	#
US-PATENT-APPL-SN-452767	c 05	N75-25915	#	US-PATENT-APPL-SN-47062	c 15	N72-17451	#	US-PATENT-APPL-SN-487934	c 15	N71-21530	*
US-PATENT-APPL-SN-452768	c 52	N76-30793	#	US-PATENT-APPL-SN-47063	c 33	N72-25911	#	US-PATENT-APPL-SN-487939	c 14	N71-23040	*
US-PATENT-APPL-SN-452769	c 44	N76-16612	#	US-PATENT-APPL-SN-47063	c 33	N73-25952	#	US-PATENT-APPL-SN-487940	c 10	N71-26434	#
US-PATENT-APPL-SN-452770	c 33	N75-31332	#	US-PATENT-APPL-SN-470902	c 06	N71-28808	#	US-PATENT-APPL-SN-488381	c 14	N73-32321	#
US-PATENT-APPL-SN-452944	c 18	N71-24183	#	US-PATENT-APPL-SN-471154	c 09	N73-28084	#	US-PATENT-APPL-SN-488616	c 07	N76-18117	#
US-PATENT-APPL-SN-452945	c 18	N69-39979	#	US-PATENT-APPL-SN-47120	c 31	N70-33242	#	US-PATENT-APPL-SN-488745	c 26	N75-27127	#
US-PATENT-APPL-SN-453115	c 32	N76-14321	#	US-PATENT-APPL-SN-47121	c 09	N70-39915	#	US-PATENT-APPL-SN-489008	c 23	N75-30256	#
US-PATENT-APPL-SN-453225	c 15	N71-24833	#	US-PATENT-APPL-SN-47122	c 14	N70-34813	#	US-PATENT-APPL-SN-489009	c 33	N76-19339	#
US-PATENT-APPL-SN-453227	c 31	N71-10582	#	US-PATENT-APPL-SN-47123	c 15	N70-34817	#	US-PATENT-APPL-SN-489442	c 25	N69-39884	#
US-PATENT-APPL-SN-453229	c 17	N71-23828	*	US-PATENT-APPL-SN-472066	c 31	N70-42075	#	US-PATENT-APPL-SN-489675	c 05	N85-29947	#
US-PATENT-APPL-SN-453231	c 23										

US-PATENT-APPL-SN-492964	c 25	N85-21280 * #	US-PATENT-APPL-SN-511346	c 15	N77-10113 * #	US-PATENT-APPL-SN-526448	c 44	N76-14602 * #
US-PATENT-APPL-SN-493179	c 23	N85-35227 * #	US-PATENT-APPL-SN-511362	c 33	N85-29147 * #	US-PATENT-APPL-SN-526449	c 54	N76-14804 * #
US-PATENT-APPL-SN-493359	c 20	N76-21275 * #	US-PATENT-APPL-SN-5114	c 06	N72-25150 * #	US-PATENT-APPL-SN-526450	c 35	N77-14409 * #
US-PATENT-APPL-SN-493363	c 33	N76-21390 * #	US-PATENT-APPL-SN-511564	c 09	N69-39885 * #	US-PATENT-APPL-SN-526631	c 10	N71-19471 * #
US-PATENT-APPL-SN-493864	c 23	N83-28076 * #	US-PATENT-APPL-SN-511567	c 05	N71-12336 * #	US-PATENT-APPL-SN-526664	c 07	N69-24334 * #
US-PATENT-APPL-SN-493865	c 24	N83-25791 * #	US-PATENT-APPL-SN-511887	c 35	N76-15436 * #	US-PATENT-APPL-SN-526665	c 14	N69-24331 * #
US-PATENT-APPL-SN-493866	c 71	N84-28568 * #	US-PATENT-APPL-SN-511894	c 03	N76-32140 * #	US-PATENT-APPL-SN-526739	c 37	N83-36484 * #
US-PATENT-APPL-SN-493942	c 14	N71-17659 * #	US-PATENT-APPL-SN-512352	c 15	N70-33330 * #	US-PATENT-APPL-SN-526741	c 09	N84-12193 * #
US-PATENT-APPL-SN-493943	c 15	N71-21529 * #	US-PATENT-APPL-SN-512509	c 26	N75-27125 * #	US-PATENT-APPL-SN-526750	c 71	N85-22105 * #
US-PATENT-APPL-SN-494280	c 28	N71-23081 * #	US-PATENT-APPL-SN-512559	c 23	N71-22881 * #	US-PATENT-APPL-SN-526768	c 25	N85-35253 * #
US-PATENT-APPL-SN-494282	c 15	N69-39735 * #	US-PATENT-APPL-SN-512561	c 16	N71-25914 * #	US-PATENT-APPL-SN-526770	c 35	N85-21598 * #
US-PATENT-APPL-SN-494283	c 31	N71-24035 * #	US-PATENT-APPL-SN-512562	c 16	N71-24074 * #	US-PATENT-APPL-SN-527331	c 17	N73-28573 * #
US-PATENT-APPL-SN-494287	c 03	N71-22974 * #	US-PATENT-APPL-SN-512795	c 27	N84-22745 * #	US-PATENT-APPL-SN-527613	c 37	N83-36485 * #
US-PATENT-APPL-SN-494739	c 07	N71-26291 * #	US-PATENT-APPL-SN-512825	c 32	N76-15329 * #	US-PATENT-APPL-SN-527727	c 02	N76-16014 * #
US-PATENT-APPL-SN-495021	c 44	N78-13526 * #	US-PATENT-APPL-SN-51317	c 14	N73-30389 * #	US-PATENT-APPL-SN-527728	c 37	N76-18458 * #
US-PATENT-APPL-SN-495022	c 60	N77-12721 * #	US-PATENT-APPL-SN-513346	c 07	N79-14095 * #	US-PATENT-APPL-SN-527790	c 33	N76-14372 * #
US-PATENT-APPL-SN-495380	c 37	N85-29285 * #	US-PATENT-APPL-SN-513389	c 25	N75-12087 * #	US-PATENT-APPL-SN-527918	c 09	N85-21178 * #
US-PATENT-APPL-SN-495381	c 24	N84-22695 * #	US-PATENT-APPL-SN-513576	c 35	N76-29552 * #	US-PATENT-APPL-SN-528031	c 10	N69-39888 * #
US-PATENT-APPL-SN-495381	c 24	N85-21267 * #	US-PATENT-APPL-SN-513611	c 24	N76-22309 * #	US-PATENT-APPL-SN-529593	c 27	N71-21819 * #
US-PATENT-APPL-SN-496205	c 14	N71-22965 * #	US-PATENT-APPL-SN-513611	c 24	N80-33482 * #	US-PATENT-APPL-SN-529594	c 15	N69-27483 * #
US-PATENT-APPL-SN-496779	c 05	N76-29217 * #	US-PATENT-APPL-SN-513612	c 05	N77-17029 * #	US-PATENT-APPL-SN-529594	c 33	N71-29152 * #
US-PATENT-APPL-SN-498167	c 03	N71-10608 * #	US-PATENT-APPL-SN-513613	c 27	N78-15276 * #	US-PATENT-APPL-SN-529609	c 09	N69-39986 * #
US-PATENT-APPL-SN-498168	c 28	N71-21822 * #	US-PATENT-APPL-SN-513690	c 37	N76-20480 * #	US-PATENT-APPL-SN-529803	c 33	N83-35228 * #
US-PATENT-APPL-SN-499122	c 15	N71-24164 * #	US-PATENT-APPL-SN-514407	c 18	N71-22894 * #	US-PATENT-APPL-SN-529884	c 54	N78-18761 * #
US-PATENT-APPL-SN-500044	c 35	N85-21597 * #	US-PATENT-APPL-SN-514546	c 74	N76-20958 * #	US-PATENT-APPL-SN-530185	c 33	N83-35229 * #
US-PATENT-APPL-SN-500045	c 37	N83-28450 * #	US-PATENT-APPL-SN-51473	c 02	N70-33266 * #	US-PATENT-APPL-SN-530339	c 31	N83-35178 * #
US-PATENT-APPL-SN-500046	c 31	N83-28281 * #	US-PATENT-APPL-SN-51477	c 14	N72-25412 * #	US-PATENT-APPL-SN-530958	c 09	N71-22985 * #
US-PATENT-APPL-SN-500435	c 14	N71-21082 * #	US-PATENT-APPL-SN-515484	c 14	N71-22993 * #	US-PATENT-APPL-SN-531565	c 36	N76-24553 * #
US-PATENT-APPL-SN-500446	c 10	N71-23029 * #	US-PATENT-APPL-SN-516087	c 27	N85-20125 * #	US-PATENT-APPL-SN-531566	c 10	N71-28860 * #
US-PATENT-APPL-SN-500651	c 07	N85-35195 * #	US-PATENT-APPL-SN-516150	c 05	N71-19440 * #	US-PATENT-APPL-SN-531572	c 66	N76-19888 * #
US-PATENT-APPL-SN-500979	c 32	N76-18295 * #	US-PATENT-APPL-SN-516151	c 15	N70-41679 * #	US-PATENT-APPL-SN-531575	c 32	N76-31372 * #
US-PATENT-APPL-SN-500980	c 72	N76-15860 * #	US-PATENT-APPL-SN-516152	c 14	N71-23225 * #	US-PATENT-APPL-SN-531642	c 25	N71-21693 * #
US-PATENT-APPL-SN-500981	c 35	N77-10492 * #	US-PATENT-APPL-SN-516153	c 10	N71-28783 * #	US-PATENT-APPL-SN-531647	c 04	N76-20114 * #
US-PATENT-APPL-SN-500982	c 75	N76-17951 * #	US-PATENT-APPL-SN-516154	c 09	N69-24330 * #	US-PATENT-APPL-SN-531647	c 04	N77-19056 * #
US-PATENT-APPL-SN-501011	c 33	N76-18345 * #	US-PATENT-APPL-SN-516155	c 09	N71-23270 * #	US-PATENT-APPL-SN-532006	c 23	N71-24857 * #
US-PATENT-APPL-SN-501012	c 33	N76-14373 * #	US-PATENT-APPL-SN-516158	c 09	N71-19479 * #	US-PATENT-APPL-SN-532342	c 08	N85-35200 * #
US-PATENT-APPL-SN-501060	c 60	N84-28491 * #	US-PATENT-APPL-SN-516159	c 14	N70-41812 * #	US-PATENT-APPL-SN-532784	c 27	N75-29263 * #
US-PATENT-APPL-SN-50206	c 07	N72-17109 * #	US-PATENT-APPL-SN-516160	c 33	N71-16277 * #	US-PATENT-APPL-SN-532784	c 27	N78-17205 * #
US-PATENT-APPL-SN-50207	c 07	N72-20141 * #	US-PATENT-APPL-SN-516162	c 07	N71-28900 * #	US-PATENT-APPL-SN-533555	c 36	N76-18428 * #
US-PATENT-APPL-SN-50208	c 14	N73-13418 * #	US-PATENT-APPL-SN-516217	c 27	N85-21350 * #	US-PATENT-APPL-SN-533556	c 36	N76-29575 * #
US-PATENT-APPL-SN-502124	c 35	N76-16393 * #	US-PATENT-APPL-SN-516217	c 27	N85-21351 * #	US-PATENT-APPL-SN-533608	c 32	N76-21366 * #
US-PATENT-APPL-SN-502135	c 35	N76-15433 * #	US-PATENT-APPL-SN-516217	c 27	N85-21352 * #	US-PATENT-APPL-SN-533650	c 35	N75-27329 * #
US-PATENT-APPL-SN-502136	c 35	N75-27331 * #	US-PATENT-APPL-SN-516217	c 25	N85-28982 * #	US-PATENT-APPL-SN-533659	c 14	N73-30390 * #
US-PATENT-APPL-SN-502137	c 37	N76-21554 * #	US-PATENT-APPL-SN-516217	c 25	N85-30039 * #	US-PATENT-APPL-SN-533734	c 33	N77-10428 * #
US-PATENT-APPL-SN-502138	c 43	N77-10584 * #	US-PATENT-APPL-SN-516793	c 16	N71-22895 * #	US-PATENT-APPL-SN-534265	c 32	N76-21365 * #
US-PATENT-APPL-SN-502693	c 15	N71-20739 * #	US-PATENT-APPL-SN-516794	c 14	N70-42074 * #	US-PATENT-APPL-SN-534266	c 35	N76-24523 * #
US-PATENT-APPL-SN-502701	c 08	N71-23295 * #	US-PATENT-APPL-SN-517100	c 28	N70-33241 * #	US-PATENT-APPL-SN-534295	c 15	N71-21076 * #
US-PATENT-APPL-SN-502709	c 31	N71-21881 * #	US-PATENT-APPL-SN-517156	c 14	N71-23093 * #	US-PATENT-APPL-SN-534564	c 10	N71-22961 * #
US-PATENT-APPL-SN-502710	c 15	N71-23048 * #	US-PATENT-APPL-SN-517157	c 15	N71-22722 * #	US-PATENT-APPL-SN-534901	c 14	N70-36807 * #
US-PATENT-APPL-SN-502729	c 31	N70-41871 * #	US-PATENT-APPL-SN-517158	c 14	N71-23401 * #	US-PATENT-APPL-SN-534931	c 37	N80-14395 * #
US-PATENT-APPL-SN-502739	c 09	N71-23311 * #	US-PATENT-APPL-SN-517159	c 15	N71-20740 * #	US-PATENT-APPL-SN-534966	c 15	N71-24042 * #
US-PATENT-APPL-SN-502740	c 14	N69-27485 * #	US-PATENT-APPL-SN-517858	c 14	N71-21006 * #	US-PATENT-APPL-SN-534975	c 14	N71-24232 * #
US-PATENT-APPL-SN-502743	c 08	N71-19435 * #	US-PATENT-APPL-SN-517869	c 15	N71-23050 * #	US-PATENT-APPL-SN-535169	c 54	N78-17678 * #
US-PATENT-APPL-SN-502746	c 03	N69-39898 * #	US-PATENT-APPL-SN-517995	c 39	N76-31562 * #	US-PATENT-APPL-SN-535304	c 09	N71-28810 * #
US-PATENT-APPL-SN-502750	c 09	N71-19466 * #	US-PATENT-APPL-SN-518487	c 05	N71-11960 * #	US-PATENT-APPL-SN-535410	c 37	N76-15457 * #
US-PATENT-APPL-SN-502753	c 07	N69-39978 * #	US-PATENT-APPL-SN-518544	c 44	N76-24696 * #	US-PATENT-APPL-SN-536210	c 17	N71-24830 * #
US-PATENT-APPL-SN-502756	c 03	N71-23336 * #	US-PATENT-APPL-SN-518545	c 19	N76-22284 * #	US-PATENT-APPL-SN-536216	c 10	N71-23915 * #
US-PATENT-APPL-SN-502820	c 27	N85-21347 * #	US-PATENT-APPL-SN-518546	c 26	N76-18257 * #	US-PATENT-APPL-SN-536217	c 10	N71-23544 * #
US-PATENT-APPL-SN-50339	c 04	N72-33072 * #	US-PATENT-APPL-SN-518684	c 44	N76-22657 * #	US-PATENT-APPL-SN-536535	c 33	N76-14371 * #
US-PATENT-APPL-SN-504225	c 35	N76-16392 * #	US-PATENT-APPL-SN-518685	c 35	N76-14429 * #	US-PATENT-APPL-SN-536761	c 33	N76-19338 * #
US-PATENT-APPL-SN-504266	c 31	N71-21064 * #	US-PATENT-APPL-SN-519160	c 18	N71-20742 * #	US-PATENT-APPL-SN-536762	c 37	N76-22540 * #
US-PATENT-APPL-SN-504345	c 33	N85-22877 * #	US-PATENT-APPL-SN-519161	c 05	N71-20718 * #	US-PATENT-APPL-SN-536785	c 33	N76-31409 * #
US-PATENT-APPL-SN-505320	c 16	N71-18614 * #	US-PATENT-APPL-SN-519395	c 09	N69-24317 * #	US-PATENT-APPL-SN-536786	c 44	N77-32581 * #
US-PATENT-APPL-SN-505321	c 10	N71-22962 * #	US-PATENT-APPL-SN-520838	c 08	N71-18595 * #	US-PATENT-APPL-SN-537024	c 44	N76-27664 * #
US-PATENT-APPL-SN-505765	c 15	N71-23816 * #	US-PATENT-APPL-SN-520839	c 10	N71-19472 * #	US-PATENT-APPL-SN-537480	c 45	N76-31714 * #
US-PATENT-APPL-SN-505819	c 33	N76-16331 * #	US-PATENT-APPL-SN-521006	c 34	N77-10463 * #	US-PATENT-APPL-SN-537614	c 33	N84-11389 * #
US-PATENT-APPL-SN-505881	c 09	N76-24280 * #	US-PATENT-APPL-SN-521601	c 60	N76-14818 * #	US-PATENT-APPL-SN-537615	c 28	N71-22983 * #
US-PATENT-APPL-SN-506135	c 06	N71-20905 * #	US-PATENT-APPL-SN-521602	c 37	N76-18454 * #	US-PATENT-APPL-SN-537615	c 37	N85-33489 * #
US-PATENT-APPL-SN-506137	c 15	N71-23049 * #	US-PATENT-APPL-SN-521603	c 35	N75-29380 * #	US-PATENT-APPL-SN-537616	c 26	N85-29005 * #
US-PATENT-APPL-SN-506477	c 33	N85-29146 * #	US-PATENT-APPL-SN-521620	c 09	N77-10071 * #	US-PATENT-APPL-SN-537617	c 09	N71-22987 * #
US-PATENT-APPL-SN-506803	c 24	N79-25143 * #	US-PATENT-APPL-SN-521753	c 15	N70-41960 * #	US-PATENT-APPL-SN-537757	c 54	N84-11761 * #
US-PATENT-APPL-SN-506804	c 35	N76-18402 * #	US-PATENT-APPL-SN-521754	c 07	N71-22984 * #	US-PATENT-APPL-SN-537979	c 37	N77-11397 * #
US-PATENT-APPL-SN-506908	c 09	N71-18843 * #	US-PATENT-APPL-SN-521755	c 28	N71-28849 * #	US-PATENT-APPL-SN-538047	c 37	N76-27568 * #
US-PATENT-APPL-SN-507254	c 14	N71-22990 * #	US-PATENT-APPL-SN-521816	c 35	N77-19385 * #	US-PATENT-APPL-SN-538063	c 37	N84-11501 * #
US-PATENT-APPL-SN-507257	c 09	N71-19449 * #	US-PATENT-APPL-SN-521817	c 45	N76-21742 * #	US-PATENT-APPL-SN-538166	c 15	N71-21177 * #
US-PATENT-APPL-SN-507623	c 31	N85-29083 * #	US-PATENT-APPL-SN-521994	c 17	N71-23365 * #	US-PATENT-APPL-SN-538168	c 23	N71-16098 * #
US-PATENT-APPL-SN-507624	c 76	N85-30922 * #	US-PATENT-APPL-SN-521996	c 15	N69-27871 * #	US-PATENT-APPL-SN-538863	c 54	N78-17680 * #
US-PATENT-APPL-SN-507625	c 76	N83-30268 * #	US-PATENT-APPL-SN-521998	c 07	N69-24323 * #	US-PATENT-APPL-SN-538905	c 08	N71-18594 * #
US-PATENT-APPL-SN-507626	c 34	N85-29179 * #	US-PATENT-APPL-SN-521999	c 12	N71-20815 * #	US-PATENT-APPL-SN-538907	c 33	N71-28903 * #
US-PATENT-APPL-SN-508169	c 18	N71-27397 * #	US-PATENT-APPL-SN-522109	c 07	N78-17056 * #	US-PATENT-APPL-SN-538908	c 33	N71-22890 * #
US-PATENT-APPL-SN-508170	c 08	N71-22710 * #	US-PATENT-APPL-SN-522551	c 76	N76-20994 * #	US-PATENT-APPL-SN-538911	c 33	N71-22792 * #
US-PATENT-APPL-SN-508371	c 05	N85-21147 * #	US-PATENT-APPL-SN-522552	c 35	N76-16390 * #	US-PATENT-APPL-SN-538913	c 14	N71-17627 * #
US-PATENT-APPL-SN-508372	c 43	N83-29783 * #	US-PATENT-APPL-SN-522556	c 35	N76-15432 * #	US-PATENT-APPL-SN-538982	c 33	N77-14333 * #
US-PATENT-APPL-SN-508601	c 15	N71-22878 * #	US-PATENT-APPL-SN-5226628	c 08	N85-19985 * #	US-PATENT-APPL-SN-538983	c 33	N76-18353 * #
US-PATENT-APPL-SN-508784	c 76	N76-25049 * #	US-PATENT-APPL-SN-522794	c 09	N71-23190 * #	US-PATENT-APPL-SN-539230	c 37	N85-30335 * #
US-PATENT-APPL-SN-508873	c 14	N71-23240 * #	US-PATENT-APPL-SN-522795	c 20	N71-16281 * #	US-PATENT-APPL-SN-539237	c 33	N71-16278 * #
US-PATENT-APPL-SN-509460	c 01	N71-13411 * #	US-PATENT-APPL-SN-522971	c 54	N76-24900 * #	US-PATENT-APPL-SN-539255	c 18	N71-26153 * #
US-PATENT-APPL-SN-510136	c 18	N84-33450 * #	US-PATENT-APPL-SN-523297	c 24	N85-21266 * #	US-PATENT-APPL-SN-539255	c 17	N72-28536 * #
US-PATENT-APPL-SN-510137	c 37	N85-34401 * #	US-PATENT-APPL-SN-523297	c 24	N85-35233 * #	US-PATENT-APPL-SN-540414	c 15	N71-22799 * #
US-PATENT-APPL-SN-510150	c 10	N71-26103 * #	US-PATENT-APPL-SN-523511	c				

US-PATENT-APPL-SN-54270	c 07	N72-25173 * #	US-PATENT-APPL-SN-560035	c 24	N85-30027 * #	US-PATENT-APPL-SN-574283	c 14	N69-24257 * #
US-PATENT-APPL-SN-542713	c 23	N71-23976 * #	US-PATENT-APPL-SN-560891	c 73	N78-19920 * #	US-PATENT-APPL-SN-574284	c 08	N71-19763 * #
US-PATENT-APPL-SN-54271	c 02	N73-19004 * #	US-PATENT-APPL-SN-560967	c 15	N69-21922 * #	US-PATENT-APPL-SN-575290	c 14	N71-20439 * #
US-PATENT-APPL-SN-542754	c 34	N76-18374 * #	US-PATENT-APPL-SN-560968	c 10	N71-24863 * #	US-PATENT-APPL-SN-575291	c 33	N71-29151 * #
US-PATENT-APPL-SN-543206	c 05	N71-23159 * #	US-PATENT-APPL-SN-560969	c 14	N71-15622 * #	US-PATENT-APPL-SN-575475	c 05	N69-23192 * #
US-PATENT-APPL-SN-543774	c 06	N69-39733 * #	US-PATENT-APPL-SN-561020	c 44	N76-23675 * #	US-PATENT-APPL-SN-575930	c 06	N71-23230 * #
US-PATENT-APPL-SN-544611	c 33	N76-15373 * #	US-PATENT-APPL-SN-561223	c 14	N71-20427 * #	US-PATENT-APPL-SN-576182	c 33	N71-24276 * #
US-PATENT-APPL-SN-544895	c 09	N71-28809 * #	US-PATENT-APPL-SN-561369	c 35	N84-33766 * #	US-PATENT-APPL-SN-576183	c 09	N71-23525 * #
US-PATENT-APPL-SN-544899	c 07	N71-20569 * #	US-PATENT-APPL-SN-561429	c 27	N85-21351 * #	US-PATENT-APPL-SN-576195	c 14	N71-21079 * #
US-PATENT-APPL-SN-545223	c 03	N71-11056 * #	US-PATENT-APPL-SN-561431	c 27	N85-21350 * #	US-PATENT-APPL-SN-576308	c 07	N85-35194 * #
US-PATENT-APPL-SN-545224	c 15	N69-21362 * #	US-PATENT-APPL-SN-561432	c 20	N84-15183 * #	US-PATENT-APPL-SN-576488	c 44	N76-28635 * #
US-PATENT-APPL-SN-545228	c 07	N69-39736 * #	US-PATENT-APPL-SN-561433	c 71	N84-16948 * #	US-PATENT-APPL-SN-576521	c 09	N71-20864 * #
US-PATENT-APPL-SN-545229	c 03	N69-21469 * #	US-PATENT-APPL-SN-561434	c 25	N85-30039 * #	US-PATENT-APPL-SN-576774	c 60	N77-19760 * #
US-PATENT-APPL-SN-545282	c 35	N76-24524 * #	US-PATENT-APPL-SN-561435	c 27	N85-21352 * #	US-PATENT-APPL-SN-576792	c 14	N71-26136 * #
US-PATENT-APPL-SN-545283	c 32	N77-12239 * #	US-PATENT-APPL-SN-561702	c 27	N84-16340 * #	US-PATENT-APPL-SN-576797	c 09	N69-24318 * #
US-PATENT-APPL-SN-545284	c 34	N76-27517 * #	US-PATENT-APPL-SN-561764	c 32	N77-10392 * #	US-PATENT-APPL-SN-577114	c 15	N69-24320 * #
US-PATENT-APPL-SN-54540	c 15	N72-29488 * #	US-PATENT-APPL-SN-561956	c 35	N77-17426 * #	US-PATENT-APPL-SN-577115	c 15	N71-17647 * #
US-PATENT-APPL-SN-54540	c 37	N74-15125 * #	US-PATENT-APPL-SN-562443	c 09	N69-39734 * #	US-PATENT-APPL-SN-577545	c 08	N71-18693 * #
US-PATENT-APPL-SN-54552	c 27	N70-34783 * #	US-PATENT-APPL-SN-562444	c 14	N71-22995 * #	US-PATENT-APPL-SN-577546	c 31	N71-23008 * #
US-PATENT-APPL-SN-54552	c 20	N77-17143 * #	US-PATENT-APPL-SN-562445	c 14	N71-23797 * #	US-PATENT-APPL-SN-577548	c 09	N69-27422 * #
US-PATENT-APPL-SN-545535	c 03	N69-21539 * #	US-PATENT-APPL-SN-562499	c 32	N71-31350 * #	US-PATENT-APPL-SN-577548	c 14	N72-28438 * #
US-PATENT-APPL-SN-545793	c 20	N80-14188 * #	US-PATENT-APPL-SN-562558	c 31	N79-21227 * #	US-PATENT-APPL-SN-577549	c 15	N71-22721 * #
US-PATENT-APPL-SN-545805	c 15	N71-21744 * #	US-PATENT-APPL-SN-562933	c 10	N71-24799 * #	US-PATENT-APPL-SN-577775	c 14	N71-17574 * #
US-PATENT-APPL-SN-546142	c 09	N69-24329 * #	US-PATENT-APPL-SN-562934	c 09	N69-21468 * #	US-PATENT-APPL-SN-577778	c 03	N71-11050 * #
US-PATENT-APPL-SN-546148	c 11	N71-22875 * #	US-PATENT-APPL-SN-562992	c 27	N78-32261 * #	US-PATENT-APPL-SN-578240	c 34	N77-18382 * #
US-PATENT-APPL-SN-546149	c 16	N71-24170 * #	US-PATENT-APPL-SN-563049	c 17	N76-29347 * #	US-PATENT-APPL-SN-578241	c 52	N76-29896 * #
US-PATENT-APPL-SN-547072	c 15	N71-24043 * #	US-PATENT-APPL-SN-563050	c 37	N76-31524 * #	US-PATENT-APPL-SN-578387	c 06	N84-20522 * #
US-PATENT-APPL-SN-547072	c 35	N78-32397 * #	US-PATENT-APPL-SN-563283	c 35	N76-18401 * #	US-PATENT-APPL-SN-578388	c 06	N84-32383 * #
US-PATENT-APPL-SN-547175	c 76	N84-12968 * #	US-PATENT-APPL-SN-563644	c 15	N71-18613 * #	US-PATENT-APPL-SN-578390	c 44	N85-30475 * #
US-PATENT-APPL-SN-547176	c 37	N85-29286 * #	US-PATENT-APPL-SN-563646	c 05	N71-23096 * #	US-PATENT-APPL-SN-578397	c 20	N79-21124 * #
US-PATENT-APPL-SN-547643	c 33	N79-33392 * #	US-PATENT-APPL-SN-563648	c 15	N71-17803 * #	US-PATENT-APPL-SN-578700	c 43	N82-13465 * #
US-PATENT-APPL-SN-547677	c 10	N71-20448 * #	US-PATENT-APPL-SN-563650	c 25	N69-21929 * #	US-PATENT-APPL-SN-578916	c 14	N71-23036 * #
US-PATENT-APPL-SN-548468	c 37	N76-27567 * #	US-PATENT-APPL-SN-563651	c 28	N71-23293 * #	US-PATENT-APPL-SN-578923	c 15	N71-21403 * #
US-PATENT-APPL-SN-548559	c 44	N76-29700 * #	US-PATENT-APPL-SN-563890	c 35	N85-34373 * #	US-PATENT-APPL-SN-578925	c 23	N71-16355 * #
US-PATENT-APPL-SN-548582	c 27	N84-11297 * #	US-PATENT-APPL-SN-564622	c 37	N77-31497 * #	US-PATENT-APPL-SN-578926	c 06	N69-39936 * #
US-PATENT-APPL-SN-548583	c 27	N85-34282 * #	US-PATENT-APPL-SN-564919	c 09	N71-23316 * #	US-PATENT-APPL-SN-578928	c 26	N71-21824 * #
US-PATENT-APPL-SN-548584	c 24	N84-34571 * #	US-PATENT-APPL-SN-565162	c 35	N79-14348 * #	US-PATENT-APPL-SN-578931	c 23	N71-21882 * #
US-PATENT-APPL-SN-548808	c 14	N73-23277 * #	US-PATENT-APPL-SN-565289	c 38	N77-17495 * #	US-PATENT-APPL-SN-578932	c 08	N71-12505 * #
US-PATENT-APPL-SN-549418	c 36	N76-31512 * #	US-PATENT-APPL-SN-565290	c 17	N76-22245 * #	US-PATENT-APPL-SN-579121	c 15	N71-29136 * #
US-PATENT-APPL-SN-549860	c 03	N71-19438 * #	US-PATENT-APPL-SN-565481	c 09	N84-16221 * #	US-PATENT-APPL-SN-579300	c 20	N79-21123 * #
US-PATENT-APPL-SN-550088	c 07	N71-24612 * #	US-PATENT-APPL-SN-565482	c 23	N84-16259 * #	US-PATENT-APPL-SN-579375	c 07	N77-14025 * #
US-PATENT-APPL-SN-550681	c 02	N84-12092 * #	US-PATENT-APPL-SN-566392	c 14	N71-23175 * #	US-PATENT-APPL-SN-579376	c 20	N79-21125 * #
US-PATENT-APPL-SN-551182	c 03	N71-23187 * #	US-PATENT-APPL-SN-566397	c 05	N71-23161 * #	US-PATENT-APPL-SN-579989	c 34	N77-32413 * #
US-PATENT-APPL-SN-551184	c 37	N76-22541 * #	US-PATENT-APPL-SN-566493	c 44	N76-29701 * #	US-PATENT-APPL-SN-580365	c 15	N71-23255 * #
US-PATENT-APPL-SN-551536	c 04	N84-12151 * #	US-PATENT-APPL-SN-566494	c 32	N77-30309 * #	US-PATENT-APPL-SN-580397	c 37	N84-20860 * #
US-PATENT-APPL-SN-551694	c 31	N71-18611 * #	US-PATENT-APPL-SN-566495	c 33	N77-17351 * #	US-PATENT-APPL-SN-580419	c 34	N85-33433 * #
US-PATENT-APPL-SN-551815	c 02	N71-11038 * #	US-PATENT-APPL-SN-566717	c 14	N71-24233 * #	US-PATENT-APPL-SN-580573	c 44	N85-34441 * #
US-PATENT-APPL-SN-551846	c 03	N71-20492 * #	US-PATENT-APPL-SN-567686	c 15	N71-22994 * #	US-PATENT-APPL-SN-580574	c 18	N84-22610 * #
US-PATENT-APPL-SN-551933	c 33	N71-14032 * #	US-PATENT-APPL-SN-567806	c 06	N71-22975 * #	US-PATENT-APPL-SN-581447	c 28	N70-33356 * #
US-PATENT-APPL-SN-551961	c 15	N70-33376 * #	US-PATENT-APPL-SN-567911	c 10	N72-16172 * #	US-PATENT-APPL-SN-581514	c 70	N75-26789 * #
US-PATENT-APPL-SN-552108	c 07	N79-14096 * #	US-PATENT-APPL-SN-568067	c 31	N71-22968 * #	US-PATENT-APPL-SN-581750	c 07	N78-17055 * #
US-PATENT-APPL-SN-552344	c 09	N69-27463 * #	US-PATENT-APPL-SN-568071	c 14	N69-27461 * #	US-PATENT-APPL-SN-581751	c 37	N78-10468 * #
US-PATENT-APPL-SN-552454	c 35	N76-24525 * #	US-PATENT-APPL-SN-568180	c 10	N71-18724 * #	US-PATENT-APPL-SN-581843	c 31	N79-21226 * #
US-PATENT-APPL-SN-553339	c 27	N84-16341 * #	US-PATENT-APPL-SN-568346	c 04	N69-27487 * #	US-PATENT-APPL-SN-582171	c 32	N71-16428 * #
US-PATENT-APPL-SN-553333	c 10	N73-16206 * #	US-PATENT-APPL-SN-568352	c 09	N71-20842 * #	US-PATENT-APPL-SN-582213	c 32	N74-22098 * #
US-PATENT-APPL-SN-553687	c 44	N76-29704 * #	US-PATENT-APPL-SN-568354	c 14	N71-22972 * #	US-PATENT-APPL-SN-582318	c 33	N76-27472 * #
US-PATENT-APPL-SN-553891	c 23	N71-16341 * #	US-PATENT-APPL-SN-568355	c 32	N71-23791 * #	US-PATENT-APPL-SN-582492	c 52	N85-30618 * #
US-PATENT-APPL-SN-554277	c 07	N71-26579 * #	US-PATENT-APPL-SN-568356	c 14	N71-15599 * #	US-PATENT-APPL-SN-582493	c 24	N84-20649 * #
US-PATENT-APPL-SN-554897	c 15	N71-22982 * #	US-PATENT-APPL-SN-568362	c 03	N69-39983 * #	US-PATENT-APPL-SN-582494	c 36	N84-25037 * #
US-PATENT-APPL-SN-554899	c 15	N70-33382 * #	US-PATENT-APPL-SN-568364	c 10	N71-26418 * #	US-PATENT-APPL-SN-582495	c 44	N84-25164 * #
US-PATENT-APPL-SN-554949	c 06	N71-20717 * #	US-PATENT-APPL-SN-568541	c 24	N77-28225 * #	US-PATENT-APPL-SN-582609	c 10	N71-19467 * #
US-PATENT-APPL-SN-554950	c 17	N71-23248 * #	US-PATENT-APPL-SN-568541	c 27	N81-14077 * #	US-PATENT-APPL-SN-582624	c 35	N85-34374 * #
US-PATENT-APPL-SN-554959	c 27	N79-21191 * #	US-PATENT-APPL-SN-568620	c 10	N71-26626 * #	US-PATENT-APPL-SN-583055	c 07	N78-18067 * #
US-PATENT-APPL-SN-555189	c 08	N71-27255 * #	US-PATENT-APPL-SN-568897	c 10	N71-19547 * #	US-PATENT-APPL-SN-583056	c 37	N78-17384 * #
US-PATENT-APPL-SN-555336	c 33	N76-27473 * #	US-PATENT-APPL-SN-569370	c 43	N84-23012 * #	US-PATENT-APPL-SN-583219	c 43	N82-13465 * #
US-PATENT-APPL-SN-55534	c 11	N72-25288 * #	US-PATENT-APPL-SN-569371	c 18	N84-20628 * #	US-PATENT-APPL-SN-583485	c 33	N77-28385 * #
US-PATENT-APPL-SN-55535	c 14	N73-20474 * #	US-PATENT-APPL-SN-569372	c 76	N85-33826 * #	US-PATENT-APPL-SN-583486	c 33	N77-26386 * #
US-PATENT-APPL-SN-55536	c 14	N72-29464 * #	US-PATENT-APPL-SN-569373	c 27	N84-20702 * #	US-PATENT-APPL-SN-583487	c 52	N76-19785 * #
US-PATENT-APPL-SN-55537	c 18	N72-25540 * #	US-PATENT-APPL-SN-569536	c 27	N84-32532 * #	US-PATENT-APPL-SN-584015	c 14	N71-26475 * #
US-PATENT-APPL-SN-555641	c 51	N76-29891 * #	US-PATENT-APPL-SN-569925	c 07	N77-17059 * #	US-PATENT-APPL-SN-584066	c 10	N71-20852 * #
US-PATENT-APPL-SN-555750	c 27	N79-12221 * #	US-PATENT-APPL-SN-570093	c 06	N71-17705 * #	US-PATENT-APPL-SN-584067	c 07	N71-12392 * #
US-PATENT-APPL-SN-556481	c 74	N84-15960 * #	US-PATENT-APPL-SN-570095	c 14	N71-23226 * #	US-PATENT-APPL-SN-584070	c 09	N69-27500 * #
US-PATENT-APPL-SN-556512	c 18	N84-16250 * #	US-PATENT-APPL-SN-570097	c 15	N69-23185 * #	US-PATENT-APPL-SN-584071	c 26	N71-16037 * #
US-PATENT-APPL-SN-556513	c 33	N85-29143 * #	US-PATENT-APPL-SN-570678	c 17	N71-25903 * #	US-PATENT-APPL-SN-584072	c 15	N69-39786 * #
US-PATENT-APPL-SN-556514	c 36	N84-15537 * #	US-PATENT-APPL-SN-571458	c 44	N77-10635 * #	US-PATENT-APPL-SN-584094	c 26	N77-20201 * #
US-PATENT-APPL-SN-556784	c 09	N71-20447 * #	US-PATENT-APPL-SN-571459	c 54	N78-14784 * #	US-PATENT-APPL-SN-584914	c 54	N78-17679 * #
US-PATENT-APPL-SN-556830	c 15	N71-26294 * #	US-PATENT-APPL-SN-571613	c 89	N84-17084 * #	US-PATENT-APPL-SN-585217	c 54	N78-17677 * #
US-PATENT-APPL-SN-557016	c 15	N71-23086 * #	US-PATENT-APPL-SN-571614	c 35	N84-16531 * #	US-PATENT-APPL-SN-585420	c 35	N76-31489 * #
US-PATENT-APPL-SN-557430	c 52	N77-14737 * #	US-PATENT-APPL-SN-571615	c 74	N84-16986 * #	US-PATENT-APPL-SN-585988	c 33	N75-29318 * #
US-PATENT-APPL-SN-557448	c 45	N76-17656 * #	US-PATENT-APPL-SN-571616	c 14	N84-22596 * #	US-PATENT-APPL-SN-586324	c 05	N71-26293 * #
US-PATENT-APPL-SN-557565	c 24	N77-27187 * #	US-PATENT-APPL-SN-571617	c 26	N85-35267 * #	US-PATENT-APPL-SN-586325	c 31	N71-24315 * #
US-PATENT-APPL-SN-557584	c 09	N71-20851 * #	US-PATENT-APPL-SN-571821	c 20	N76-22296 * #	US-PATENT-APPL-SN-586329	c 05	N71-24623 * #
US-PATENT-APPL-SN-557861	c 03	N71-24605 * #	US-PATENT-APPL-SN-572523	c 14	N72-25414 * #	US-PATENT-APPL-SN-586330	c 05	N71

US-PATENT-APPL-SN-590144	c 15	N71-15606 * #	US-PATENT-APPL-SN-605097	c 14	N69-21923 * #	US-PATENT-APPL-SN-623187	c 34	N77-19353 * #
US-PATENT-APPL-SN-590145	c 07	N69-39980 * #	US-PATENT-APPL-SN-605098	c 09	N71-26092 * #	US-PATENT-APPL-SN-623188	c 54	N77-21844 * #
US-PATENT-APPL-SN-590146	c 09	N69-21926 * #	US-PATENT-APPL-SN-605099	c 09	N71-23548 * #	US-PATENT-APPL-SN-623238	c 51	N77-25769 * #
US-PATENT-APPL-SN-590147	c 15	N71-21489 * #	US-PATENT-APPL-SN-605100	c 15	N71-21536 * #	US-PATENT-APPL-SN-623389	c 31	N81-15154 * #
US-PATENT-APPL-SN-590158	c 05	N71-24147 * #	US-PATENT-APPL-SN-605102	c 09	N69-39987 * #	US-PATENT-APPL-SN-623536	c 09	N78-18083 * #
US-PATENT-APPL-SN-590159	c 09	N69-24324 * #	US-PATENT-APPL-SN-60531	c 28	N70-37980 * #	US-PATENT-APPL-SN-625077	c 33	N84-29084 * #
US-PATENT-APPL-SN-590182	c 03	N76-29588 * #	US-PATENT-APPL-SN-60536	c 02	N70-38009 * #	US-PATENT-APPL-SN-625732	c 35	N77-18417 * #
US-PATENT-APPL-SN-590183	c 74	N79-13855 * #	US-PATENT-APPL-SN-605518	c 15	N71-23023 * #	US-PATENT-APPL-SN-625733	c 26	N77-28265 * #
US-PATENT-APPL-SN-590921	c 71	N84-21274 * #	US-PATENT-APPL-SN-605964	c 06	N73-30103 * #	US-PATENT-APPL-SN-625734	c 35	N78-10428 * #
US-PATENT-APPL-SN-590923	c 35	N85-34375 * #	US-PATENT-APPL-SN-605994	c 06	N73-30101 * #	US-PATENT-APPL-SN-625759	c 37	N77-14478 * #
US-PATENT-APPL-SN-590925	c 26	N84-20670 * #	US-PATENT-APPL-SN-606027	c 06	N73-30099 * #	US-PATENT-APPL-SN-625781	c 33	N77-31404 * #
US-PATENT-APPL-SN-590975	c 44	N78-31525 * #	US-PATENT-APPL-SN-606036	c 06	N73-30100 * #	US-PATENT-APPL-SN-626376	c 05	N71-11189 * #
US-PATENT-APPL-SN-591000	c 15	N71-24044 * #	US-PATENT-APPL-SN-606426	c 35	N84-25016 * #	US-PATENT-APPL-SN-626942	c 51	N77-27677 * #
US-PATENT-APPL-SN-591004	c 07	N71-11266 * #	US-PATENT-APPL-SN-606430	c 27	N84-24807 * #	US-PATENT-APPL-SN-627257	c 08	N71-12504 * #
US-PATENT-APPL-SN-591007	c 16	N69-27491 * #	US-PATENT-APPL-SN-606431	c 37	N84-25063 * #	US-PATENT-APPL-SN-627599	c 18	N71-16046 * #
US-PATENT-APPL-SN-591014	c 28	N71-24736 * #	US-PATENT-APPL-SN-606432	c 74	N84-25450 * #	US-PATENT-APPL-SN-628094	c 16	N71-20400 * #
US-PATENT-APPL-SN-591089	c 24	N85-21267 * #	US-PATENT-APPL-SN-606462	c 08	N71-24891 * #	US-PATENT-APPL-SN-628221	c 07	N78-18066 * #
US-PATENT-APPL-SN-591568	c 74	N76-31998 * #	US-PATENT-APPL-SN-606463	c 14	N71-24854 * #	US-PATENT-APPL-SN-628246	c 15	N71-17687 * #
US-PATENT-APPL-SN-591569	c 37	N77-12402 * #	US-PATENT-APPL-SN-606464	c 15	N71-18579 * #	US-PATENT-APPL-SN-628247	c 09	N69-21542 * #
US-PATENT-APPL-SN-591930	c 03	N69-21330 * #	US-PATENT-APPL-SN-606891	c 44	N77-14581 * #	US-PATENT-APPL-SN-628248	c 14	N69-27432 * #
US-PATENT-APPL-SN-592159	c 07	N76-27232 * #	US-PATENT-APPL-SN-607461	c 05	N71-12346 * #	US-PATENT-APPL-SN-628866	c 31	N85-20153 * #
US-PATENT-APPL-SN-592680	c 15	N71-22877 * #	US-PATENT-APPL-SN-607484	c 09	N71-26002 * #	US-PATENT-APPL-SN-629456	c 37	N77-14479 * #
US-PATENT-APPL-SN-592694	c 05	N71-12342 * #	US-PATENT-APPL-SN-607608	c 14	N69-27484 * #	US-PATENT-APPL-SN-629457	c 35	N77-32454 * #
US-PATENT-APPL-SN-593142	c 37	N77-17464 * #	US-PATENT-APPL-SN-607969	c 09	N76-23273 * #	US-PATENT-APPL-SN-629458	c 35	N78-17357 * #
US-PATENT-APPL-SN-593593	c 06	N71-11239 * #	US-PATENT-APPL-SN-608247	c 15	N71-20813 * #	US-PATENT-APPL-SN-629759	c 15	N71-16076 * #
US-PATENT-APPL-SN-593594	c 06	N71-11236 * #	US-PATENT-APPL-SN-608482	c 74	N77-20882 * #	US-PATENT-APPL-SN-630579	c 35	N77-24454 * #
US-PATENT-APPL-SN-593595	c 06	N71-24740 * #	US-PATENT-APPL-SN-608483	c 09	N77-19076 * #	US-PATENT-APPL-SN-630583	c 33	N77-24375 * #
US-PATENT-APPL-SN-593604	c 11	N69-27466 * #	US-PATENT-APPL-SN-608741	c 23	N85-28973 * #	US-PATENT-APPL-SN-631341	c 60	N78-17691 * #
US-PATENT-APPL-SN-593605	c 06	N71-11242 * #	US-PATENT-APPL-SN-608742	c 24	N84-24711 * #	US-PATENT-APPL-SN-631444	c 16	N78-28521 * #
US-PATENT-APPL-SN-593606	c 06	N71-11243 * #	US-PATENT-APPL-SN-608876	c 15	N72-27485 * #	US-PATENT-APPL-SN-631848	c 09	N71-12514 * #
US-PATENT-APPL-SN-593607	c 07	N71-26102 * #	US-PATENT-APPL-SN-608881	c 32	N72-25877 * #	US-PATENT-APPL-SN-631955	c 14	N72-27408 * #
US-PATENT-APPL-SN-594134	c 74	N84-26400 * #	US-PATENT-APPL-SN-608882	c 05	N73-32011 * #	US-PATENT-APPL-SN-632104	c 09	N71-19470 * #
US-PATENT-APPL-SN-594584	c 14	N71-25892 * #	US-PATENT-APPL-SN-608883	c 10	N73-13235 * #	US-PATENT-APPL-SN-632111	c 37	N79-10422 * #
US-PATENT-APPL-SN-594587	c 28	N71-21493 * #	US-PATENT-APPL-SN-608944	c 15	N71-23798 * #	US-PATENT-APPL-SN-632112	c 35	N77-22449 * #
US-PATENT-APPL-SN-594633	c 15	N71-24046 * #	US-PATENT-APPL-SN-609050	c 04	N73-27052 * #	US-PATENT-APPL-SN-632152	c 10	N71-24798 * #
US-PATENT-APPL-SN-595197	c 33	N77-10429 * #	US-PATENT-APPL-SN-610723	c 14	N71-23755 * #	US-PATENT-APPL-SN-632154	c 09	N69-39984 * #
US-PATENT-APPL-SN-595254	c 17	N78-17140 * #	US-PATENT-APPL-SN-610724	c 31	N71-28851 * #	US-PATENT-APPL-SN-632162	c 14	N69-39937 * #
US-PATENT-APPL-SN-595745	c 37	N77-32501 * #	US-PATENT-APPL-SN-610728	c 31	N71-22969 * #	US-PATENT-APPL-SN-632163	c 30	N71-23723 * #
US-PATENT-APPL-SN-595747	c 37	N77-32500 * #	US-PATENT-APPL-SN-610801	c 76	N77-32919 * #	US-PATENT-APPL-SN-632164	c 15	N69-24319 * #
US-PATENT-APPL-SN-596338	c 09	N71-20816 * #	US-PATENT-APPL-SN-610802	c 35	N77-20400 * #	US-PATENT-APPL-SN-632165	c 14	N71-26266 * #
US-PATENT-APPL-SN-596641	c 07	N77-23106 * #	US-PATENT-APPL-SN-611414	c 46	N74-23068 * #	US-PATENT-APPL-SN-633178	c 25	N84-32447 * #
US-PATENT-APPL-SN-596641	c 37	N78-10467 * #	US-PATENT-APPL-SN-611414	c 46	N74-23069 * #	US-PATENT-APPL-SN-633180	c 09	N84-32398 * #
US-PATENT-APPL-SN-596733	c 15	N77-11389 * #	US-PATENT-APPL-SN-612265	c 14	N72-22442 * #	US-PATENT-APPL-SN-633363	c 44	N84-32912 * #
US-PATENT-APPL-SN-596735	c 32	N71-24285 * #	US-PATENT-APPL-SN-612568	c 15	N71-28952 * #	US-PATENT-APPL-SN-633833	c 08	N72-20177 * #
US-PATENT-APPL-SN-596787	c 37	N77-19458 * #	US-PATENT-APPL-SN-612740	c 25	N71-20563 * #	US-PATENT-APPL-SN-633884	c 05	N72-22093 * #
US-PATENT-APPL-SN-596787	c 37	N78-31426 * #	US-PATENT-APPL-SN-612899	c 07	N77-18154 * #	US-PATENT-APPL-SN-633876	c 27	N78-19302 * #
US-PATENT-APPL-SN-596788	c 33	N76-21390 * #	US-PATENT-APPL-SN-612964	c 20	N77-10148 * #	US-PATENT-APPL-SN-633877	c 27	N77-13217 * #
US-PATENT-APPL-SN-596905	c 24	N77-19170 * #	US-PATENT-APPL-SN-612965	c 52	N77-14735 * #	US-PATENT-APPL-SN-634038	c 25	N71-16073 * #
US-PATENT-APPL-SN-596959	c 18	N84-22609 * #	US-PATENT-APPL-SN-612966	c 35	N78-12390 * #	US-PATENT-APPL-SN-634040	c 15	N71-19489 * #
US-PATENT-APPL-SN-596960	c 37	N85-33490 * #	US-PATENT-APPL-SN-612967	c 74	N77-18893 * #	US-PATENT-APPL-SN-634060	c 09	N69-39897 * #
US-PATENT-APPL-SN-597430	c 44	N81-29525 * #	US-PATENT-APPL-SN-613004	c 71	N77-26919 * #	US-PATENT-APPL-SN-634205	c 35	N77-14406 * #
US-PATENT-APPL-SN-597430	c 44	N82-28780 * #	US-PATENT-APPL-SN-613138	c 27	N84-28988 * #	US-PATENT-APPL-SN-634214	c 73	N78-28913 * #
US-PATENT-APPL-SN-598118	c 15	N69-27490 * #	US-PATENT-APPL-SN-613139	c 27	N84-28987 * #	US-PATENT-APPL-SN-634304	c 27	N79-18052 * #
US-PATENT-APPL-SN-598119	c 08	N71-19437 * #	US-PATENT-APPL-SN-613140	c 33	N84-29085 * #	US-PATENT-APPL-SN-635325	c 14	N69-27431 * #
US-PATENT-APPL-SN-598120	c 08	N71-18602 * #	US-PATENT-APPL-SN-613235	c 14	N73-30394 * #	US-PATENT-APPL-SN-635326	c 14	N71-18482 * #
US-PATENT-APPL-SN-598504	c 37	N77-14477 * #	US-PATENT-APPL-SN-613329	c 31	N70-37986 * #	US-PATENT-APPL-SN-635327	c 12	N69-39988 * #
US-PATENT-APPL-SN-598777	c 27	N85-34281 * #	US-PATENT-APPL-SN-613734	c 52	N77-14738 * #	US-PATENT-APPL-SN-635328	c 09	N69-21467 * #
US-PATENT-APPL-SN-598922	c 06	N73-30097 * #	US-PATENT-APPL-SN-613979	c 33	N71-14035 * #	US-PATENT-APPL-SN-635332	c 08	N72-25209 * #
US-PATENT-APPL-SN-598922	c 15	N74-27360 * #	US-PATENT-APPL-SN-615030	c 35	N78-19465 * #	US-PATENT-APPL-SN-635519	c 35	N77-24455 * #
US-PATENT-APPL-SN-598933	c 15	N72-25456 * #	US-PATENT-APPL-SN-615335	c 15	N72-25453 * #	US-PATENT-APPL-SN-635531	c 33	N77-14334 * #
US-PATENT-APPL-SN-59894	c 23	N73-13662 * #	US-PATENT-APPL-SN-615505	c 34	N85-29180 * #	US-PATENT-APPL-SN-635970	c 15	N69-21465 * #
US-PATENT-APPL-SN-59895	c 15	N72-20445 * #	US-PATENT-APPL-SN-616002	c 34	N84-32748 * #	US-PATENT-APPL-SN-635972	c 18	N71-23710 * #
US-PATENT-APPL-SN-598967	c 31	N77-10229 * #	US-PATENT-APPL-SN-616332	c 24	N77-27188 * #	US-PATENT-APPL-SN-63610	c 06	N72-25147 * #
US-PATENT-APPL-SN-598968	c 33	N77-17354 * #	US-PATENT-APPL-SN-616333	c 33	N76-32457 * #	US-PATENT-APPL-SN-636193	c 74	N78-15880 * #
US-PATENT-APPL-SN-598969	c 44	N78-17460 * #	US-PATENT-APPL-SN-616472	c 74	N77-22951 * #	US-PATENT-APPL-SN-636459	c 44	N84-32913 * #
US-PATENT-APPL-SN-599126	c 24	N84-22697 * #	US-PATENT-APPL-SN-616528	c 24	N80-33342 * #	US-PATENT-APPL-SN-636463	c 20	N84-32425 * #
US-PATENT-APPL-SN-599284	c 35	N77-14411 * #	US-PATENT-APPL-SN-617021	c 23	N71-16101 * #	US-PATENT-APPL-SN-636465	c 37	N85-32828 * #
US-PATENT-APPL-SN-59956	c 14	N72-27411 * #	US-PATENT-APPL-SN-617022	c 07	N69-27462 * #	US-PATENT-APPL-SN-636796	c 35	N78-17358 * #
US-PATENT-APPL-SN-59966	c 21	N72-25595 * #	US-PATENT-APPL-SN-617202	c 74	N77-28933 * #	US-PATENT-APPL-SN-636878	c 14	N71-20442 * #
US-PATENT-APPL-SN-59968	c 15	N77-27484 * #	US-PATENT-APPL-SN-617612	c 52	N77-10780 * #	US-PATENT-APPL-SN-637247	c 35	N77-10493 * #
US-PATENT-APPL-SN-59969	c 09	N72-25249 * #	US-PATENT-APPL-SN-617770	c 14	N71-23227 * #	US-PATENT-APPL-SN-637249	c 38	N76-28563 * #
US-PATENT-APPL-SN-599975	c 08	N69-21928 * #	US-PATENT-APPL-SN-617774	c 18	N71-16124 * #	US-PATENT-APPL-SN-637268	c 47	N77-10753 * #
US-PATENT-APPL-SN-600266	c 14	N71-20430 * #	US-PATENT-APPL-SN-617775	c 06	N71-28807 * #	US-PATENT-APPL-SN-637269	c 52	N77-28717 * #
US-PATENT-APPL-SN-600682	c 14	N71-20461 * #	US-PATENT-APPL-SN-617776	c 18	N69-39895 * #	US-PATENT-APPL-SN-637882	c 15	N71-17650 * #
US-PATENT-APPL-SN-601228	c 15	N71-17652 * #	US-PATENT-APPL-SN-617778	c 14	N71-26244 * #	US-PATENT-APPL-SN-638192	c 10	N71-26415 * #
US-PATENT-APPL-SN-601229	c 14	N71-26474 * #	US-PATENT-APPL-SN-617779	c 09	N69-39929 * #	US-PATENT-APPL-SN-638194	c 33	N71-21507 * #
US-PATENT-APPL-SN-602049	c 35	N84-25015 * #	US-PATENT-APPL-SN-617783	c 15	N69-24266 * #	US-PATENT-APPL-SN-638541	c 35	N84-32782 * #
US-PATENT-APPL-SN-602050	c 37	N85-34402 * #	US-PATENT-APPL-SN-617871	c 27	N85-29043 * #	US-PATENT-APPL-SN-638584	c 33	N84-32680 * #
US-PATENT-APPL-SN-602105	c 72	N84-25431 * #	US-PATENT-APPL-SN-617895	c 32	N77-14292 * #	US-PATENT-APPL-SN-638585	c 74	N84-33179 * #
US-PATENT-APPL-SN-602617	c 37	N77-23483 * #	US-PATENT-APPL-SN-618594	c 37	N77-13418 * #	US-PATENT-APPL-SN-638586	c 32	N84-32620 * #
US-PATENT-APPL-SN-602618	c 44	N76-31667 * #	US-PATENT-APPL-SN-618994	c 12	N72-21310 * #	US-PATENT-APPL-SN-638707	c 14	N69-27486 * #
US-PATENT-APPL-SN-602676	c 22	N73-32528 * #	US-PATENT-APPL-SN-618995	c 07	N72-33146 * #	US-PATENT-APPL-SN-639589	c 28	N70-33372 * #
US-PATENT-APPL-SN-602828	c 09	N71-13531 * #	US-PATENT-APPL-SN-619519	c 05	N71-26333 * #	US-PATENT-APPL-SN-640154	c 09	N71-18600 * #
US-PATENT-APPL-SN-603373	c 28	N84-29017 * #	US-PATENT-APPL-SN-619520	c 32	N71-16106 * #	US-PATENT-APPL-SN-640447	c 15	N71-19486 * #
US-PATENT-APPL-SN-603374	c 37	N84-22959 * #	US-PATENT-APPL-SN-619521	c 05	N69-21380 * #	US-PATENT-APPL-SN-640448	c 08	N71-19420 * #
US-PATENT-APPL-SN-603396	c 14	N69-23191 * #	US-PATENT-APPL-SN-619903	c 06	N69-39889 * #	US-PATENT-APPL-SN-640449	c 09	N71-19516 * #
US-PATENT-APPL-SN-603397	c 26	N71-23292 * #	US-PATENT-APPL-SN-619907	c 15	N69-27505 * #	US-PATENT-APPL-SN-640450	c 15	N71-17694 * #
US-PATENT-APPL-SN-604337	c 27	N85-29044 * #	US-PATENT-APPL-SN-619908	c 09	N69-21543 * #	US-PATENT-APPL-SN-640452	c 09	N71-12513 * #
US-PATENT-APPL-SN-604374	c 44	N76-29699 * #	US-PATENT-APPL-SN-619986	c 08	N71-20571 * #	US-PATENT-APPL-SN-640453	c 23	N71-16099 * #
US-PATENT-APPL-SN-605090	c 15	N71-19485 * #	US-PATENT-APPL-SN-620675	c 37	N75			

US-PATENT-APPL-SN-640462	c 15	N71-20443 *	US-PATENT-APPL-SN-657309	c 35	N85-20298 * #	US-PATENT-APPL-SN-672219	c 37	N80-28711 * #
US-PATENT-APPL-SN-640712	c 24	N85-35233 * #	US-PATENT-APPL-SN-657310	c 35	N85-20299 * #	US-PATENT-APPL-SN-672219	c 37	N81-26447 * #
US-PATENT-APPL-SN-640781	c 03	N69-25146 * #	US-PATENT-APPL-SN-657742	c 18	N71-26100 * #	US-PATENT-APPL-SN-672220	c 31	N78-17237 * #
US-PATENT-APPL-SN-640783	c 09	N71-26000 * #	US-PATENT-APPL-SN-657903	c 07	N83-33884 * #	US-PATENT-APPL-SN-672221	c 07	N78-27121 * #
US-PATENT-APPL-SN-640784	c 15	N69-39935 * #	US-PATENT-APPL-SN-657907	c 27	N78-17213 * #	US-PATENT-APPL-SN-672222	c 07	N78-25090 * #
US-PATENT-APPL-SN-640785	c 09	N69-24333 * #	US-PATENT-APPL-SN-657995	c 35	N77-22450 * #	US-PATENT-APPL-SN-672223	c 51	N78-27733 * #
US-PATENT-APPL-SN-640786	c 15	N71-24695 * #	US-PATENT-APPL-SN-657996	c 60	N78-10709 * #	US-PATENT-APPL-SN-672224	c 37	N85-20377 * #
US-PATENT-APPL-SN-640787	c 28	N71-24321 * #	US-PATENT-APPL-SN-657997	c 60	N77-32731 * #	US-PATENT-APPL-SN-672382	c 15	N71-23815 * #
US-PATENT-APPL-SN-640788	c 15	N69-27502 * #	US-PATENT-APPL-SN-657998	c 27	N78-32262 * #	US-PATENT-APPL-SN-672383	c 15	N71-24045 * #
US-PATENT-APPL-SN-640789	c 15	N69-27504 * #	US-PATENT-APPL-SN-658132	c 44	N77-32580 * #	US-PATENT-APPL-SN-672384	c 15	N71-27067 * #
US-PATENT-APPL-SN-641143	c 27	N85-34280 * #	US-PATENT-APPL-SN-658133	c 71	N78-10837 * #	US-PATENT-APPL-SN-672388	c 26	N72-17820 * #
US-PATENT-APPL-SN-641146	c 76	N84-33211 * #	US-PATENT-APPL-SN-658440	c 10	N72-20225 * #	US-PATENT-APPL-SN-672636	c 37	N79-11405 * #
US-PATENT-APPL-SN-641147	c 27	N85-21364 * #	US-PATENT-APPL-SN-658449	c 32	N72-20289 * #	US-PATENT-APPL-SN-672695	c 27	N78-17206 * #
US-PATENT-APPL-SN-641153	c 27	N85-21362 * #	US-PATENT-APPL-SN-658450	c 37	N77-22482 * #	US-PATENT-APPL-SN-672815	c 37	N77-23482 * #
US-PATENT-APPL-SN-641420	c 03	N71-23449 * #	US-PATENT-APPL-SN-658487	c 37	N81-25371 * #	US-PATENT-APPL-SN-673226	c 08	N71-12502 * #
US-PATENT-APPL-SN-641431	c 30	N71-16090 * #	US-PATENT-APPL-SN-658955	c 14	N71-15605 * #	US-PATENT-APPL-SN-673227	c 11	N71-24964 * #
US-PATENT-APPL-SN-641441	c 08	N71-18751 * #	US-PATENT-APPL-SN-658956	c 15	N71-15607 * #	US-PATENT-APPL-SN-673228	c 07	N71-19433 * #
US-PATENT-APPL-SN-641784	c 37	N77-32499 * #	US-PATENT-APPL-SN-658957	c 14	N71-17584 * #	US-PATENT-APPL-SN-673229	c 33	N71-15641 * #
US-PATENT-APPL-SN-641802	c 34	N77-30399 * #	US-PATENT-APPL-SN-658964	c 19	N71-26674 * #	US-PATENT-APPL-SN-673685	c 60	N85-20680 * #
US-PATENT-APPL-SN-641803	c 35	N78-18391 * #	US-PATENT-APPL-SN-658999	c 44	N82-24645 * #	US-PATENT-APPL-SN-674194	c 27	N78-17215 * #
US-PATENT-APPL-SN-642224	c 17	N70-38490 * #	US-PATENT-APPL-SN-659474	c 35	N85-20301 * #	US-PATENT-APPL-SN-674195	c 74	N78-18666 * #
US-PATENT-APPL-SN-642226	c 17	N70-38198 * #	US-PATENT-APPL-SN-659475	c 31	N85-20156 * #	US-PATENT-APPL-SN-674355	c 14	N71-20429 * #
US-PATENT-APPL-SN-642310	c 44	N84-32909 * #	US-PATENT-APPL-SN-659882	c 37	N78-13436 * #	US-PATENT-APPL-SN-674356	c 14	N71-23699 * #
US-PATENT-APPL-SN-642602	c 54	N84-33021 * #	US-PATENT-APPL-SN-660004	c 15	N72-25450 * #	US-PATENT-APPL-SN-674357	c 05	N71-12351 * #
US-PATENT-APPL-SN-643041	c 44	N78-19599 * #	US-PATENT-APPL-SN-660571	c 26	N71-23654 * #	US-PATENT-APPL-SN-674395	c 76	N85-22178 * #
US-PATENT-APPL-SN-643043	c 35	N78-13400 * #	US-PATENT-APPL-SN-660572	c 15	N71-15571 * #	US-PATENT-APPL-SN-674700	c 27	N77-31308 * #
US-PATENT-APPL-SN-643332	c 15	N71-14932 * #	US-PATENT-APPL-SN-660573	c 15	N71-28936 * #	US-PATENT-APPL-SN-675238	c 10	N71-26374 * #
US-PATENT-APPL-SN-643522	c 15	N85-11122 * #	US-PATENT-APPL-SN-660841	c 14	N71-15621 * #	US-PATENT-APPL-SN-675328	c 35	N78-15461 * #
US-PATENT-APPL-SN-643524	c 27	N85-20128 * #	US-PATENT-APPL-SN-660842	c 14	N71-23726 * #	US-PATENT-APPL-SN-675351	c 35	N78-10429 * #
US-PATENT-APPL-SN-643589	c 27	N85-21360 * #	US-PATENT-APPL-SN-660843	c 08	N71-24650 * #	US-PATENT-APPL-SN-676012	c 05	N71-11193 * #
US-PATENT-APPL-SN-643897	c 73	N78-32848 * #	US-PATENT-APPL-SN-6610	c 15	N72-22492 * #	US-PATENT-APPL-SN-676163	c 31	N85-21407 * #
US-PATENT-APPL-SN-64391	c 31	N72-25842 * #	US-PATENT-APPL-SN-661170	c 14	N71-24809 * #	US-PATENT-APPL-SN-676375	c 14	N71-18483 * #
US-PATENT-APPL-SN-644444	c 09	N71-18721 * #	US-PATENT-APPL-SN-661478	c 05	N85-19980 * #	US-PATENT-APPL-SN-676386	c 08	N71-12507 * #
US-PATENT-APPL-SN-644446	c 14	N71-24693 * #	US-PATENT-APPL-SN-661481	c 26	N85-21324 * #	US-PATENT-APPL-SN-676387	c 10	N71-25950 * #
US-PATENT-APPL-SN-644447	c 17	N71-24234 * #	US-PATENT-APPL-SN-6615	c 03	N72-25019 * #	US-PATENT-APPL-SN-676391	c 21	N71-11766 * #
US-PATENT-APPL-SN-644448	c 14	N69-25147 * #	US-PATENT-APPL-SN-6616	c 28	N72-22042 * #	US-PATENT-APPL-SN-676432	c 28	N78-23365 * #
US-PATENT-APPL-SN-644799	c 17	N71-15468 * #	US-PATENT-APPL-SN-6617	c 15	N72-22488 * #	US-PATENT-APPL-SN-676432	c 28	N80-20402 * #
US-PATENT-APPL-SN-645500	c 74	N77-28932 * #	US-PATENT-APPL-SN-66206	c 11	N73-13257 * #	US-PATENT-APPL-SN-676432	c 28	N81-14103 * #
US-PATENT-APPL-SN-645502	c 24	N79-25143 * #	US-PATENT-APPL-SN-662175	c 09	N77-27131 * #	US-PATENT-APPL-SN-676433	c 52	N77-28716 * #
US-PATENT-APPL-SN-645507	c 26	N77-32280 * #	US-PATENT-APPL-SN-662176	c 32	N77-21267 * #	US-PATENT-APPL-SN-676957	c 32	N77-18307 * #
US-PATENT-APPL-SN-645508	c 44	N77-14580 * #	US-PATENT-APPL-SN-662181	c 25	N82-21269 * #	US-PATENT-APPL-SN-676958	c 54	N76-22914 * #
US-PATENT-APPL-SN-645510	c 32	N77-30308 * #	US-PATENT-APPL-SN-662182	c 37	N78-27424 * #	US-PATENT-APPL-SN-676958	c 52	N81-25661 * #
US-PATENT-APPL-SN-645563	c 31	N71-20396 * #	US-PATENT-APPL-SN-662582	c 35	N79-26372 * #	US-PATENT-APPL-SN-67730	c 15	N73-13463 * #
US-PATENT-APPL-SN-645571	c 35	N77-14407 * #	US-PATENT-APPL-SN-662763	c 15	N73-12489 * #	US-PATENT-APPL-SN-677351	c 35	N77-32455 * #
US-PATENT-APPL-SN-645573	c 24	N71-25555 * #	US-PATENT-APPL-SN-662828	c 11	N71-18578 * #	US-PATENT-APPL-SN-677352	c 43	N78-10529 * #
US-PATENT-APPL-SN-645584	c 08	N71-12494 * #	US-PATENT-APPL-SN-662829	c 15	N71-15597 * #	US-PATENT-APPL-SN-677353	c 52	N78-14773 * #
US-PATENT-APPL-SN-646044	c 37	N85-34403 * #	US-PATENT-APPL-SN-663008	c 37	N77-28486 * #	US-PATENT-APPL-SN-677475	c 32	N71-26681 * #
US-PATENT-APPL-SN-646124	c 15	N71-23817 * #	US-PATENT-APPL-SN-663180	c 10	N71-23663 * #	US-PATENT-APPL-SN-677476	c 14	N71-17586 * #
US-PATENT-APPL-SN-646333	c 35	N80-26635 * #	US-PATENT-APPL-SN-664091	c 43	N79-17288 * #	US-PATENT-APPL-SN-677505	c 09	N71-13521 * #
US-PATENT-APPL-SN-646424	c 07	N69-27460 * #	US-PATENT-APPL-SN-665032	c 74	N77-22950 * #	US-PATENT-APPL-SN-677506	c 16	N71-15567 * #
US-PATENT-APPL-SN-646704	c 36	N77-25499 * #	US-PATENT-APPL-SN-665033	c 20	N77-20162 * #	US-PATENT-APPL-SN-677508	c 16	N71-15551 * #
US-PATENT-APPL-SN-646934	c 08	N71-18692 * #	US-PATENT-APPL-SN-665209	c 14	N71-23725 * #	US-PATENT-APPL-SN-67815	c 28	N72-22771 * #
US-PATENT-APPL-SN-64709	c 10	N72-28240 * #	US-PATENT-APPL-SN-665676	c 14	N71-19568 * #	US-PATENT-APPL-SN-678520	c 20	N78-24275 * #
US-PATENT-APPL-SN-64723	c 07	N72-25170 * #	US-PATENT-APPL-SN-665679	c 15	N71-20395 * #	US-PATENT-APPL-SN-678700	c 05	N71-19439 * #
US-PATENT-APPL-SN-647298	c 31	N71-16102 * #	US-PATENT-APPL-SN-665680	c 24	N71-16213 * #	US-PATENT-APPL-SN-678813	c 33	N81-29342 * #
US-PATENT-APPL-SN-648034	c 09	N79-21083 * #	US-PATENT-APPL-SN-665681	c 15	N71-18616 * #	US-PATENT-APPL-SN-679055	c 08	N71-24633 * #
US-PATENT-APPL-SN-648185	c 26	N85-21325 * #	US-PATENT-APPL-SN-665734	c 35	N78-18390 * #	US-PATENT-APPL-SN-679862	c 20	N71-16340 * #
US-PATENT-APPL-SN-648700	c 74	N78-13874 * #	US-PATENT-APPL-SN-665751	c 14	N71-23698 * #	US-PATENT-APPL-SN-679885	c 09	N71-12521 * #
US-PATENT-APPL-SN-649075	c 14	N71-15600 * #	US-PATENT-APPL-SN-666553	c 03	N71-11055 * #	US-PATENT-APPL-SN-679980	c 44	N82-24642 * #
US-PATENT-APPL-SN-649076	c 08	N71-24890 * #	US-PATENT-APPL-SN-666554	c 33	N71-16104 * #	US-PATENT-APPL-SN-679987	c 44	N82-24644 * #
US-PATENT-APPL-SN-649078	c 07	N71-19493 * #	US-PATENT-APPL-SN-666555	c 07	N71-24614 * #	US-PATENT-APPL-SN-679996	c 44	N82-24643 * #
US-PATENT-APPL-SN-649327	c 33	N85-20249 * #	US-PATENT-APPL-SN-666992	c 27	N77-30236 * #	US-PATENT-APPL-SN-680015	c 52	N79-14750 * #
US-PATENT-APPL-SN-649328	c 27	N84-34616 * #	US-PATENT-APPL-SN-667010	c 34	N77-27345 * #	US-PATENT-APPL-SN-680048	c 44	N82-24641 * #
US-PATENT-APPL-SN-649329	c 05	N84-33400 * #	US-PATENT-APPL-SN-667625	c 31	N71-15674 * #	US-PATENT-APPL-SN-680067	c 07	N77-27116 * #
US-PATENT-APPL-SN-649330	c 27	N85-20129 * #	US-PATENT-APPL-SN-667636	c 03	N71-20491 * #	US-PATENT-APPL-SN-680223	c 05	N72-33096 * #
US-PATENT-APPL-SN-649356	c 09	N71-23189 * #	US-PATENT-APPL-SN-667637	c 28	N71-14044 * #	US-PATENT-APPL-SN-68024	c 17	N72-25353 * #
US-PATENT-APPL-SN-649357	c 08	N71-12500 * #	US-PATENT-APPL-SN-667928	c 35	N77-30436 * #	US-PATENT-APPL-SN-680938	c 74	N77-26942 * #
US-PATENT-APPL-SN-649358	c 07	N71-11267 * #	US-PATENT-APPL-SN-667929	c 35	N79-14346 * #	US-PATENT-APPL-SN-680939	c 44	N78-10554 * #
US-PATENT-APPL-SN-649359	c 15	N71-18701 * #	US-PATENT-APPL-SN-667930	c 32	N77-28346 * #	US-PATENT-APPL-SN-680957	c 35	N77-27366 * #
US-PATENT-APPL-SN-649360	c 23	N71-16365 * #	US-PATENT-APPL-SN-668116	c 35	N76-16391 * #	US-PATENT-APPL-SN-680958	c 74	N78-18905 * #
US-PATENT-APPL-SN-650166	c 09	N71-23191 * #	US-PATENT-APPL-SN-668238	c 15	N71-15608 * #	US-PATENT-APPL-SN-681000	c 34	N78-25350 * #
US-PATENT-APPL-SN-651002	c 08	N79-14108 * #	US-PATENT-APPL-SN-668241	c 15	N71-17685 * #	US-PATENT-APPL-SN-681001	c 74	N76-22993 * #
US-PATENT-APPL-SN-651007	c 74	N78-17865 * #	US-PATENT-APPL-SN-668242	c 10	N71-27272 * #	US-PATENT-APPL-SN-681017	c 44	N77-32583 * #
US-PATENT-APPL-SN-651009	c 26	N78-18182 * #	US-PATENT-APPL-SN-668247	c 09	N71-20445 * #	US-PATENT-APPL-SN-681096	c 44	N77-32582 * #
US-PATENT-APPL-SN-651627	c 26	N72-25679 * #	US-PATENT-APPL-SN-668248	c 10	N71-26331 * #	US-PATENT-APPL-SN-681687	c 03	N71-20273 * #
US-PATENT-APPL-SN-651972	c 27	N74-23125 * #	US-PATENT-APPL-SN-668249	c 03	N71-20407 * #	US-PATENT-APPL-SN-681692	c 08	N71-12506 * #
US-PATENT-APPL-SN-652948	c 52	N77-14736 * #	US-PATENT-APPL-SN-668257	c 23	N71-16100 * #	US-PATENT-APPL-SN-681693	c 09	N71-18598 * #
US-PATENT-APPL-SN-652979	c 45	N82-11634 * #	US-PATENT-APPL-SN-668302	c 07	N71-12390 * #	US-PATENT-APPL-SN-681942	c 18	N71-15688 * #
US-PATENT-APPL-SN-653277	c 31	N71-23912 * #	US-PATENT-APPL-SN-668332	c 31	N85-20154 * #	US-PATENT-APPL-SN-682416	c 34	N77-24423 * #
US-PATENT-APPL-SN-653278	c 14	N69-27503 * #	US-PATENT-APPL-SN-668433	c 31	N85-20155 * #	US-PATENT-APPL-SN-682435	c 27	N77-32308 * #
US-PATENT-APPL-SN-653316	c 25	N77-32255 * #	US-PATENT-APPL-SN-668751	c 06	N71-11237 * #	US-PATENT-APPL-SN-683073	c 44	N81-29525 * #
US-PATENT-APPL-SN-653422	c 35	N77-20401 * #	US-PATENT-APPL-SN-668755	c 15	N71-17693 * #	US-PATENT-APPL-SN-683073	c 44	N82-28780 * #
US-PATENT-APPL-SN-653682	c 39	N78-10493 * #	US-PATENT-APPL-SN-668771	c 35	N78-32397 * #	US-PATENT-APPL-SN-683101	c 33	N85-20247 * #

US-PATENT-APPL-SN-734902	c 24	N78-14096 *	#	US-PATENT-APPL-SN-755310	c 25	N78-15210 *	#	US-PATENT-APPL-SN-771216	c 14	N72-17329 *	#
US-PATENT-APPL-SN-735911	c 14	N70-41946 *	#	US-PATENT-APPL-SN-755323	c 74	N79-11865 *	#	US-PATENT-APPL-SN-771245	c 27	N81-14076 *	#
US-PATENT-APPL-SN-736286	c 32	N79-11265 *	#	US-PATENT-APPL-SN-756260	c 23	N71-26722 *	#	US-PATENT-APPL-SN-771523	c 10	N71-18772 *	#
US-PATENT-APPL-SN-736848	c 23	N71-16212 *	#	US-PATENT-APPL-SN-756266	c 15	N71-26145 *	#	US-PATENT-APPL-SN-771530	c 09	N72-12136 *	#
US-PATENT-APPL-SN-736909	c 37	N79-11404 *	#	US-PATENT-APPL-SN-756381	c 06	N71-25929 *	#	US-PATENT-APPL-SN-771769	c 14	N72-21408 *	#
US-PATENT-APPL-SN-736910	c 27	N78-32260 *	#	US-PATENT-APPL-SN-756511	c 09	N71-27016 *	#	US-PATENT-APPL-SN-771759	c 09	N71-29008 *	#
US-PATENT-APPL-SN-737974	c 33	N78-18308 *	#	US-PATENT-APPL-SN-756834	c 15	N72-21466 *	#	US-PATENT-APPL-SN-771760	c 10	N71-25917 *	#
US-PATENT-APPL-SN-737975	c 32	N84-27952 *	#	US-PATENT-APPL-SN-757017	c 35	N77-21393 *	#	US-PATENT-APPL-SN-771803	c 07	N71-12391 *	#
US-PATENT-APPL-SN-738119	c 18	N71-15545 *	#	US-PATENT-APPL-SN-757625	c 09	N71-26701 *	#	US-PATENT-APPL-SN-771937	c 10	N71-24862 *	#
US-PATENT-APPL-SN-738218	c 37	N78-27425 *	#	US-PATENT-APPL-SN-757857	c 10	N71-25900 *	#	US-PATENT-APPL-SN-772006	c 17	N71-33408 *	#
US-PATENT-APPL-SN-738314	c 12	N71-17573 *	#	US-PATENT-APPL-SN-757861	c 05	N71-11194 *	#	US-PATENT-APPL-SN-772165	c 74	N79-13855 *	#
US-PATENT-APPL-SN-738315	c 14	N71-27334 *	#	US-PATENT-APPL-SN-757875	c 09	N71-24805 *	#	US-PATENT-APPL-SN-772167	c 25	N79-22235 *	#
US-PATENT-APPL-SN-738315	c 14	N72-31446 *	#	US-PATENT-APPL-SN-758082	c 15	N71-17805 *	#	US-PATENT-APPL-SN-772168	c 37	N79-20377 *	#
US-PATENT-APPL-SN-738324	c 15	N72-23497 *	#	US-PATENT-APPL-SN-758390	c 28	N71-26642 *	#	US-PATENT-APPL-SN-772220	c 14	N72-27409 *	#
US-PATENT-APPL-SN-739072	c 33	N75-27251 *	#	US-PATENT-APPL-SN-758540	c 28	N73-27699 *	#	US-PATENT-APPL-SN-772221	c 08	N72-25210 *	#
US-PATENT-APPL-SN-739222	c 14	N73-25461 *	#	US-PATENT-APPL-SN-758721	c 52	N79-18580 *	#	US-PATENT-APPL-SN-772434	c 52	N80-14687 *	#
US-PATENT-APPL-SN-73932	c 15	N72-22485 *	#	US-PATENT-APPL-SN-758942	c 27	N71-14090 *	#	US-PATENT-APPL-SN-77251	c 25	N70-41628 *	#
US-PATENT-APPL-SN-739391	c 09	N72-17156 *	#	US-PATENT-APPL-SN-759220	c 27	N78-17214 *	#	US-PATENT-APPL-SN-77252	c 02	N70-37939 *	#
US-PATENT-APPL-SN-739788	c 37	N85-29289 *	#	US-PATENT-APPL-SN-759256	c 07	N71-27233 *	#	US-PATENT-APPL-SN-77256	c 15	N70-33323 *	#
US-PATENT-APPL-SN-739789	c 34	N85-29182 *	#	US-PATENT-APPL-SN-759457	c 33	N71-16357 *	#	US-PATENT-APPL-SN-773029	c 09	N71-24893 *	#
US-PATENT-APPL-SN-739792	c 33	N85-29150 *	#	US-PATENT-APPL-SN-759460	c 09	N71-24597 *	#	US-PATENT-APPL-SN-773092	c 10	N72-28241 *	#
US-PATENT-APPL-SN-739908	c 15	N78-25119 *	#	US-PATENT-APPL-SN-759665	c 14	N71-18481 *	#	US-PATENT-APPL-SN-773530	c 25	N75-29192 *	#
US-PATENT-APPL-SN-739909	c 37	N78-24545 *	#	US-PATENT-APPL-SN-759965	c 52	N79-26771 *	#	US-PATENT-APPL-SN-774151	c 15	N71-17692 *	#
US-PATENT-APPL-SN-739914	c 33	N78-10375 *	#	US-PATENT-APPL-SN-760057	c 44	N79-14527 *	#	US-PATENT-APPL-SN-774265	c 10	N71-27365 *	#
US-PATENT-APPL-SN-739915	c 37	N78-24544 *	#	US-PATENT-APPL-SN-760114	c 28	N72-11709 *	#	US-PATENT-APPL-SN-774266	c 15	N71-26185 *	#
US-PATENT-APPL-SN-739927	c 32	N71-16103 *	#	US-PATENT-APPL-SN-760392	c 09	N71-24618 *	#	US-PATENT-APPL-SN-774384	c 32	N79-10262 *	#
US-PATENT-APPL-SN-740153	c 28	N79-11231 *	#	US-PATENT-APPL-SN-760771	c 44	N79-14528 *	#	US-PATENT-APPL-SN-774691	c 10	N72-31273 *	#
US-PATENT-APPL-SN-740155	c 74	N78-27904 *	#	US-PATENT-APPL-SN-760809	c 24	N78-24290 *	#	US-PATENT-APPL-SN-774733	c 14	N72-24477 *	#
US-PATENT-APPL-SN-740156	c 71	N78-14867 *	#	US-PATENT-APPL-SN-760810	c 26	N78-32229 *	#	US-PATENT-APPL-SN-775072	c 16	N71-24831 *	#
US-PATENT-APPL-SN-740457	c 35	N78-32395 *	#	US-PATENT-APPL-SN-760819	c 14	N70-34820 *	#	US-PATENT-APPL-SN-775239	c 37	N79-14382 *	#
US-PATENT-APPL-SN-741056	c 07	N81-19116 *	#	US-PATENT-APPL-SN-760927	c 26	N71-25490 *	#	US-PATENT-APPL-SN-775870	c 09	N71-24800 *	#
US-PATENT-APPL-SN-741461	c 12	N71-18603 *	#	US-PATENT-APPL-SN-760928	c 15	N71-28582 *	#	US-PATENT-APPL-SN-775870	c 09	N72-22196 *	#
US-PATENT-APPL-SN-741749	c 52	N79-14751 *	#	US-PATENT-APPL-SN-761007	c 18	N71-26155 *	#	US-PATENT-APPL-SN-775877	c 02	N71-11039 *	#
US-PATENT-APPL-SN-741824	c 07	N71-12389 *	#	US-PATENT-APPL-SN-761252	c 27	N80-32515 *	#	US-PATENT-APPL-SN-775966	c 02	N71-11037 *	#
US-PATENT-APPL-SN-742034	c 33	N78-10377 *	#	US-PATENT-APPL-SN-761404	c 09	N71-12526 *	#	US-PATENT-APPL-SN-776029	c 07	N79-10057 *	#
US-PATENT-APPL-SN-742816	c 14	N71-17656 *	#	US-PATENT-APPL-SN-762362	c 44	N79-24433 *	#	US-PATENT-APPL-SN-776146	c 44	N79-17313 *	#
US-PATENT-APPL-SN-743249	c 35	N77-32456 *	#	US-PATENT-APPL-SN-762363	c 44	N79-24432 *	#	US-PATENT-APPL-SN-776146	c 25	N82-21268 *	#
US-PATENT-APPL-SN-743429	c 07	N71-11285 *	#	US-PATENT-APPL-SN-762438	c 12	N71-17569 *	#	US-PATENT-APPL-SN-776185	c 03	N72-22041 *	#
US-PATENT-APPL-SN-743525	c 07	N71-28430 *	#	US-PATENT-APPL-SN-762935	c 14	N71-29041 *	#	US-PATENT-APPL-SN-777764	c 15	N71-27214 *	#
US-PATENT-APPL-SN-744477	c 33	N78-25319 *	#	US-PATENT-APPL-SN-762936	c 31	N69-27499 *	#	US-PATENT-APPL-SN-777765	c 15	N71-29018 *	#
US-PATENT-APPL-SN-744522	c 33	N77-21314 *	#	US-PATENT-APPL-SN-762956	c 14	N71-26627 *	#	US-PATENT-APPL-SN-777766	c 14	N73-28487 *	#
US-PATENT-APPL-SN-744573	c 44	N78-25531 *	#	US-PATENT-APPL-SN-762957	c 08	N71-27210 *	#	US-PATENT-APPL-SN-777766	c 31	N71-16221 *	#
US-PATENT-APPL-SN-744574	c 25	N78-14104 *	#	US-PATENT-APPL-SN-763040	c 14	N72-28438 *	#	US-PATENT-APPL-SN-777818	c 09	N71-27364 *	#
US-PATENT-APPL-SN-744577	c 35	N79-10391 *	#	US-PATENT-APPL-SN-763355	c 06	N71-28620 *	#	US-PATENT-APPL-SN-777886	c 14	N72-27412 *	#
US-PATENT-APPL-SN-744910	c 15	N71-17649 *	#	US-PATENT-APPL-SN-763684	c 15	N72-16329 *	#	US-PATENT-APPL-SN-777983	c 32	N79-24210 *	#
US-PATENT-APPL-SN-745337	c 28	N72-20758 *	#	US-PATENT-APPL-SN-763685	c 15	N71-24910 *	#	US-PATENT-APPL-SN-778195	c 24	N79-16915 *	#
US-PATENT-APPL-SN-745384	c 25	N79-11151 *	#	US-PATENT-APPL-SN-763705	c 09	N71-18720 *	#	US-PATENT-APPL-SN-77869	c 37	N79-21345 *	#
US-PATENT-APPL-SN-745766	c 37	N79-11403 *	#	US-PATENT-APPL-SN-763706	c 15	N71-24896 *	#	US-PATENT-APPL-SN-779024	c 10	N71-27271 *	#
US-PATENT-APPL-SN-745852	c 12	N71-17661 *	#	US-PATENT-APPL-SN-763729	c 12	N71-26546 *	#	US-PATENT-APPL-SN-779025	c 09	N72-23171 *	#
US-PATENT-APPL-SN-746269	c 44	N78-25528 *	#	US-PATENT-APPL-SN-763743	c 14	N72-21409 *	#	US-PATENT-APPL-SN-779160	c 14	N72-16282 *	#
US-PATENT-APPL-SN-746578	c 12	N79-26075 *	#	US-PATENT-APPL-SN-763744	c 10	N72-27246 *	#	US-PATENT-APPL-SN-779169	c 09	N71-28618 *	#
US-PATENT-APPL-SN-746579	c 33	N81-27397 *	#	US-PATENT-APPL-SN-763753	c 43	N78-14452 *	#	US-PATENT-APPL-SN-779415	c 60	N79-20751 *	#
US-PATENT-APPL-SN-746580	c 34	N78-17335 *	#	US-PATENT-APPL-SN-763868	c 15	N71-24679 *	#	US-PATENT-APPL-SN-779428	c 34	N78-25351 *	#
US-PATENT-APPL-SN-74759	c 14	N73-20478 *	#	US-PATENT-APPL-SN-763869	c 17	N71-16393 *	#	US-PATENT-APPL-SN-779429	c 08	N79-14108 *	#
US-PATENT-APPL-SN-747674	c 27	N80-26446 *	#	US-PATENT-APPL-SN-764245	c 24	N80-33482 *	#	US-PATENT-APPL-SN-779847	c 15	N71-27091 *	#
US-PATENT-APPL-SN-747675	c 37	N78-31426 *	#	US-PATENT-APPL-SN-764252	c 14	N71-25901 *	#	US-PATENT-APPL-SN-779871	c 33	N79-20314 *	#
US-PATENT-APPL-SN-74861	c 27	N72-25699 *	#	US-PATENT-APPL-SN-764470	c 16	N71-28554 *	#	US-PATENT-APPL-SN-779883	c 27	N79-18052 *	#
US-PATENT-APPL-SN-74862	c 27	N73-16764 *	#	US-PATENT-APPL-SN-764812	c 10	N71-19468 *	#	US-PATENT-APPL-SN-780064	c 15	N71-27372 *	#
US-PATENT-APPL-SN-749121	c 07	N72-11149 *	#	US-PATENT-APPL-SN-764823	c 33	N78-17296 *	#	US-PATENT-APPL-SN-780065	c 12	N71-28741 *	#
US-PATENT-APPL-SN-749148	c 10	N71-19421 *	#	US-PATENT-APPL-SN-765123	c 31	N71-15687 *	#	US-PATENT-APPL-SN-780569	c 04	N78-31736 *	#
US-PATENT-APPL-SN-749149	c 15	N71-24897 *	#	US-PATENT-APPL-SN-765138	c 44	N79-10513 *	#	US-PATENT-APPL-SN-78065	c 58	N72-22162 *	#
US-PATENT-APPL-SN-749181	c 09	N71-24803 *	#	US-PATENT-APPL-SN-765139	c 44	N78-31526 *	#	US-PATENT-APPL-SN-780728	c 32	N78-31321 *	#
US-PATENT-APPL-SN-749320	c 14	N72-22443 *	#	US-PATENT-APPL-SN-765165	c 32	N79-11264 *	#	US-PATENT-APPL-SN-780729	c 33	N79-22373 *	#
US-PATENT-APPL-SN-749420	c 04	N82-16059 *	#	US-PATENT-APPL-SN-765167	c 32	N79-10263 *	#	US-PATENT-APPL-SN-780873	c 32	N81-27341 *	#
US-PATENT-APPL-SN-749548	c 10	N71-33129 *	#	US-PATENT-APPL-SN-765264	c 02	N71-29128 *	#	US-PATENT-APPL-SN-780874	c 35	N78-28411 *	#
US-PATENT-APPL-SN-750031	c 05	N73-32012 *	#	US-PATENT-APPL-SN-765738	c 03	N71-11057 *	#	US-PATENT-APPL-SN-780938	c 54	N80-10799 *	#
US-PATENT-APPL-SN-750235	c 25	N75-14844 *	#	US-PATENT-APPL-SN-766170	c 07	N71-24625 *	#	US-PATENT-APPL-SN-782462	c 33	N79-17133 *	#
US-PATENT-APPL-SN-750655	c 74	N78-32854 *	#	US-PATENT-APPL-SN-766244	c 15	N71-26721 *	#	US-PATENT-APPL-SN-782463	c 72	N79-13826 *	#
US-PATENT-APPL-SN-750786	c 07	N71-27341 *	#	US-PATENT-APPL-SN-766245	c 14	N71-27215 *	#	US-PATENT-APPL-SN-782464	c 32	N79-14267 *	#
US-PATENT-APPL-SN-750787	c 10	N71-27126 *	#	US-PATENT-APPL-SN-766697	c 09	N71-33519 *	#	US-PATENT-APPL-SN-782480	c 33	N78-32340 *	#
US-PATENT-APPL-SN-750792	c 37	N79-11402 *	#	US-PATENT-APPL-SN-7668	c 15	N71-26611 *	#	US-PATENT-APPL-SN-782481	c 44	N78-32542 *	#
US-PATENT-APPL-SN-750798	c 85	N79-17747 *	#	US-PATENT-APPL-SN-766999	c 33	N80-23559 *	#	US-PATENT-APPL-SN-782482	c 33	N79-11315 *	#
US-PATENT-APPL-SN-751061	c 18	N71-29040 *	#	US-PATENT-APPL-SN-7669	c 31	N72-18859 *	#	US-PATENT-APPL-SN-782544	c 14	N71-27325 *	#
US-PATENT-APPL-SN-751198	c 03	N71-24718 *	#	US-PATENT-APPL-SN-767741	c 09	N72-27228 *	#	US-PATENT-APPL-SN-782693	c 33	N79-10337 *	#
US-PATENT-APPL-SN-751215	c 22	N72-20597 *	#	US-PATENT-APPL-SN-767911	c 09	N78-31129 *	#	US-PATENT-APPL-SN-782955	c 07	N71-33108 *	#
US-PATENT-APPL-SN-751266	c 15	N71-33518 *	#	US-PATENT-APPL-SN-767912	c 27	N79-14214 *	#	US-PATENT-APPL-SN-782956	c 10	N71-25865 *	#
US-PATENT-APPL-SN-752050	c 07	N81-19115 *	#	US-PATENT-APPL-SN-768336	c 15	N71-17648 *	#				

US-PATENT-APPL-SN-7867	c 14	N72-17324 *	#	US-PATENT-APPL-SN-805406	c 07	N71-24613 *	US-PATENT-APPL-SN-827464	c 74	N79-34011 *	#
US-PATENT-APPL-SN-7868	c 10	N72-17173 *	#	US-PATENT-APPL-SN-805549	c 35	N79-16246 *	US-PATENT-APPL-SN-827579	c 15	N71-24984 *	#
US-PATENT-APPL-SN-786913	c 27	N79-12221 *	#	US-PATENT-APPL-SN-806149	c 27	N71-16223 *	US-PATENT-APPL-SN-827597	c 26	N69-33482 *	#
US-PATENT-APPL-SN-78703	c 15	N73-20514 *	#	US-PATENT-APPL-SN-806226	c 14	N71-27407 *	US-PATENT-APPL-SN-828226	c 37	N79-14383 *	#
US-PATENT-APPL-SN-78704	c 05	N72-25121 *	#	US-PATENT-APPL-SN-806440	c 51	N79-10694 *	US-PATENT-APPL-SN-828909	c 28	N71-27094 *	#
US-PATENT-APPL-SN-78717	c 05	N73-13114 *	#	US-PATENT-APPL-SN-807597	c 52	N80-16725 *	US-PATENT-APPL-SN-828920	c 35	N74-22095 *	#
US-PATENT-APPL-SN-787393	c 23	N71-26206 *	#	US-PATENT-APPL-SN-807703	c 37	N78-27424 *	US-PATENT-APPL-SN-828921	c 09	N71-27001 *	#
US-PATENT-APPL-SN-787410	c 15	N71-19213 *	#	US-PATENT-APPL-SN-807762	c 27	N78-31233 *	US-PATENT-APPL-SN-828983	c 03	N71-24719 *	#
US-PATENT-APPL-SN-78766	c 05	N74-10907 *	#	US-PATENT-APPL-SN-808192	c 15	N71-27432 *	US-PATENT-APPL-SN-828984	c 08	N71-29033 *	#
US-PATENT-APPL-SN-787846	c 23	N71-33229 *	#	US-PATENT-APPL-SN-808193	c 31	N71-26537 *	US-PATENT-APPL-SN-829314	c 09	N79-31228 *	#
US-PATENT-APPL-SN-787906	c 03	N71-26084 *	#	US-PATENT-APPL-SN-808462	c 10	N71-27136 *	US-PATENT-APPL-SN-829315	c 34	N79-20336 *	#
US-PATENT-APPL-SN-787911	c 03	N71-28579 *	#	US-PATENT-APPL-SN-808510	c 33	N78-32338 *	US-PATENT-APPL-SN-829316	c 18	N79-11108 *	#
US-PATENT-APPL-SN-788045	c 24	N79-25142 *	#	US-PATENT-APPL-SN-808576	c 15	N71-27754 *	US-PATENT-APPL-SN-829317	c 52	N80-18690 *	#
US-PATENT-APPL-SN-788705	c 35	N78-24515 *	#	US-PATENT-APPL-SN-808577	c 32	N71-25360 *	US-PATENT-APPL-SN-829318	c 52	N80-14684 *	#
US-PATENT-APPL-SN-789043	c 10	N71-26531 *	#	US-PATENT-APPL-SN-808822	c 14	N73-16483 *	US-PATENT-APPL-SN-829390	c 44	N79-11469 *	#
US-PATENT-APPL-SN-789044	c 14	N72-20381 *	#	US-PATENT-APPL-SN-808922	c 28	N71-27585 *	US-PATENT-APPL-SN-829390	c 44	N80-16452 *	#
US-PATENT-APPL-SN-789045	c 15	N72-22489 *	#	US-PATENT-APPL-SN-808980	c 44	N79-17314 *	US-PATENT-APPL-SN-829825	c 03	N71-24681 *	#
US-PATENT-APPL-SN-789278	c 15	N71-24694 *	#	US-PATENT-APPL-SN-808980	c 44	N80-14474 *	US-PATENT-APPL-SN-830272	c 33	N81-29342 *	#
US-PATENT-APPL-SN-789903	c 07	N71-28429 *	#	US-PATENT-APPL-SN-810575	c 15	N71-27169 *	US-PATENT-APPL-SN-830366	c 16	N72-13437 *	#
US-PATENT-APPL-SN-790420	c 09	N71-24595 *	#	US-PATENT-APPL-SN-810576	c 15	N73-12492 *	US-PATENT-APPL-SN-830458	c 46	N79-23555 *	#
US-PATENT-APPL-SN-790637	c 44	N78-25529 *	#	US-PATENT-APPL-SN-810579	c 25	N82-21269 *	US-PATENT-APPL-SN-830562	c 39	N80-10507 *	#
US-PATENT-APPL-SN-791267	c 23	N72-17747 *	#	US-PATENT-APPL-SN-810579	c 09	N72-22203 *	US-PATENT-APPL-SN-830715	c 15	N71-24903 *	#
US-PATENT-APPL-SN-791268	c 33	N72-17947 *	#	US-PATENT-APPL-SN-810815	c 33	N74-22864 *	US-PATENT-APPL-SN-830846	c 31	N80-32584 *	#
US-PATENT-APPL-SN-791288	c 28	N71-25213 *	#	US-PATENT-APPL-SN-810815	c 06	N72-22107 *	US-PATENT-APPL-SN-830978	c 28	N71-26173 *	#
US-PATENT-APPL-SN-791364	c 14	N72-17328 *	#	US-PATENT-APPL-SN-81095	c 13	N72-25323 *	US-PATENT-APPL-SN-831118	c 08	N72-11172 *	#
US-PATENT-APPL-SN-791693	c 05	N71-11203 *	#	US-PATENT-APPL-SN-811096	c 14	N73-14427 *	US-PATENT-APPL-SN-831631	c 32	N79-20297 *	#
US-PATENT-APPL-SN-791888	c 23	N71-24725 *	#	US-PATENT-APPL-SN-811037	c 14	N71-26137 *	US-PATENT-APPL-SN-831632	c 07	N80-26298 *	#
US-PATENT-APPL-SN-792067	c 24	N78-17150 *	#	US-PATENT-APPL-SN-811038	c 14	N72-20380 *	US-PATENT-APPL-SN-831633	c 05	N80-14107 *	#
US-PATENT-APPL-SN-792068	c 51	N79-10693 *	#	US-PATENT-APPL-SN-811401	c 31	N81-25258 *	US-PATENT-APPL-SN-831634	c 05	N79-12061 *	#
US-PATENT-APPL-SN-792069	c 37	N79-10418 *	#	US-PATENT-APPL-SN-811509	c 02	N70-33332 *	US-PATENT-APPL-SN-832603	c 09	N72-22199 *	#
US-PATENT-APPL-SN-792623	c 14	N72-23457 *	#	US-PATENT-APPL-SN-811542	c 21	N71-24948 *	US-PATENT-APPL-SN-833049	c 06	N72-21094 *	#
US-PATENT-APPL-SN-793657	c 17	N72-28536 *	#	US-PATENT-APPL-SN-811815	c 44	N78-31525 *	US-PATENT-APPL-SN-833637	c 33	N79-24257 *	#
US-PATENT-APPL-SN-793770	c 25	N71-15562 *	#	US-PATENT-APPL-SN-811892	c 14	N71-27090 *	US-PATENT-APPL-SN-834257	c 32	N80-14281 *	#
US-PATENT-APPL-SN-793771	c 14	N72-22440 *	#	US-PATENT-APPL-SN-812447	c 71	N79-20827 *	US-PATENT-APPL-SN-835058	c 21	N72-22619 *	#
US-PATENT-APPL-SN-793772	c 10	N71-18722 *	#	US-PATENT-APPL-SN-812998	c 28	N72-22769 *	US-PATENT-APPL-SN-835059	c 09	N71-26133 *	#
US-PATENT-APPL-SN-793823	c 09	N71-33109 *	#	US-PATENT-APPL-SN-812999	c 05	N71-12345 *	US-PATENT-APPL-SN-835060	c 02	N71-26110 *	#
US-PATENT-APPL-SN-794530	c 15	N72-11386 *	#	US-PATENT-APPL-SN-813338	c 18	N72-22566 *	US-PATENT-APPL-SN-835146	c 15	N70-33264 *	#
US-PATENT-APPL-SN-794968	c 15	N71-27146 *	#	US-PATENT-APPL-SN-813488	c 15	N71-28467 *	US-PATENT-APPL-SN-835152	c 28	N70-38199 *	#
US-PATENT-APPL-SN-795182	c 07	N71-24840 *	#	US-PATENT-APPL-SN-813494	c 08	N72-11171 *	US-PATENT-APPL-SN-835153	c 31	N71-17680 *	#
US-PATENT-APPL-SN-795217	c 33	N71-25351 *	#	US-PATENT-APPL-SN-814004	c 33	N79-18193 *	US-PATENT-APPL-SN-835419	c 33	N80-18285 *	#
US-PATENT-APPL-SN-796256	c 52	N80-18691 *	#	US-PATENT-APPL-SN-814005	c 76	N79-14906 *	US-PATENT-APPL-SN-835544	c 33	N79-14305 *	#
US-PATENT-APPL-SN-796258	c 52	N82-22875 *	#	US-PATENT-APPL-SN-814006	c 37	N79-22475 *	US-PATENT-APPL-SN-835628	c 35	N79-14347 *	#
US-PATENT-APPL-SN-796263	c 27	N79-26307 *	#	US-PATENT-APPL-SN-814212	c 14	N72-17326 *	US-PATENT-APPL-SN-836280	c 14	N73-14428 *	#
US-PATENT-APPL-SN-796358	c 05	N72-11085 *	#	US-PATENT-APPL-SN-814378	c 25	N79-10162 *	US-PATENT-APPL-SN-836280	c 35	N75-25122 *	#
US-PATENT-APPL-SN-796360	c 15	N71-24696 *	#	US-PATENT-APPL-SN-815366	c 14	N71-28994 *	US-PATENT-APPL-SN-836367	c 09	N71-24804 *	#
US-PATENT-APPL-SN-796370	c 10	N71-27366 *	#	US-PATENT-APPL-SN-815367	c 14	N71-28863 *	US-PATENT-APPL-SN-837259	c 54	N79-24652 *	#
US-PATENT-APPL-SN-796405	c 14	N71-27185 *	#	US-PATENT-APPL-SN-815760	c 15	N71-27068 *	US-PATENT-APPL-SN-837260	c 37	N78-27423 *	#
US-PATENT-APPL-SN-796685	c 26	N72-28762 *	#	US-PATENT-APPL-SN-816733	c 15	N71-27084 *	US-PATENT-APPL-SN-837377	c 15	N71-26148 *	#
US-PATENT-APPL-SN-796690	c 07	N72-21119 *	#	US-PATENT-APPL-SN-816988	c 14	N71-26199 *	US-PATENT-APPL-SN-837378	c 15	N71-24865 *	#
US-PATENT-APPL-SN-796691	c 10	N71-26334 *	#	US-PATENT-APPL-SN-817413	c 33	N79-12321 *	US-PATENT-APPL-SN-837513	c 44	N81-29525 *	#
US-PATENT-APPL-SN-797056	c 15	N71-25975 *	#	US-PATENT-APPL-SN-817415	c 74	N79-20857 *	US-PATENT-APPL-SN-837513	c 44	N82-28780 *	#
US-PATENT-APPL-SN-797057	c 15	N70-22192 *	#	US-PATENT-APPL-SN-817481	c 09	N72-11225 *	US-PATENT-APPL-SN-837794	c 28	N80-20402 *	#
US-PATENT-APPL-SN-797058	c 05	N71-24738 *	#	US-PATENT-APPL-SN-817482	c 10	N71-27338 *	US-PATENT-APPL-SN-837794	c 28	N81-14103 *	#
US-PATENT-APPL-SN-797059	c 15	N71-28465 *	#	US-PATENT-APPL-SN-817569	c 06	N69-31244 *	US-PATENT-APPL-SN-837795	c 36	N80-14384 *	#
US-PATENT-APPL-SN-797210	c 28	N78-31255 *	#	US-PATENT-APPL-SN-818349	c 21	N71-19212 *	US-PATENT-APPL-SN-837796	c 35	N79-14345 *	#
US-PATENT-APPL-SN-797219	c 03	N71-33409 *	#	US-PATENT-APPL-SN-818916	c 05	N79-17847 *	US-PATENT-APPL-SN-837825	c 15	N71-27006 *	#
US-PATENT-APPL-SN-797794	c 07	N71-12396 *	#	US-PATENT-APPL-SN-818917	c 32	N79-13214 *	US-PATENT-APPL-SN-837830	c 02	N71-27088 *	#
US-PATENT-APPL-SN-797795	c 07	N71-27191 *	#	US-PATENT-APPL-SN-819029	c 20	N82-18314 *	US-PATENT-APPL-SN-838116	c 44	N74-14784 *	#
US-PATENT-APPL-SN-797796	c 28	N71-14058 *	#	US-PATENT-APPL-SN-819599	c 15	N71-19214 *	US-PATENT-APPL-SN-838278	c 60	N74-20836 *	#
US-PATENT-APPL-SN-798277	c 23	N71-26654 *	#	US-PATENT-APPL-SN-819898	c 30	N72-17873 *	US-PATENT-APPL-SN-838308	c 52	N80-27072 *	#
US-PATENT-APPL-SN-798976	c 52	N81-25661 *	#	US-PATENT-APPL-SN-8203	c 15	N70-33180 *	US-PATENT-APPL-SN-838336	c 44	N79-11470 *	#
US-PATENT-APPL-SN-799013	c 09	N71-28468 *	#	US-PATENT-APPL-SN-820453	c 03	N72-24037 *	US-PATENT-APPL-SN-838337	c 31	N79-17029 *	#
US-PATENT-APPL-SN-799023	c 37	N79-10421 *	#	US-PATENT-APPL-SN-820498	c 89	N79-10969 *	US-PATENT-APPL-SN-838630	c 14	N71-28993 *	#
US-PATENT-APPL-SN-799024	c 24	N78-17149 *	#	US-PATENT-APPL-SN-820499	c 76	N79-23798 *	US-PATENT-APPL-SN-839934	c 07	N72-20140 *	#
US-PATENT-APPL-SN-799025	c 32	N80-29539 *	#	US-PATENT-APPL-SN-8204	c 31	N70-37981 *	US-PATENT-APPL-SN-839935	c 15	N71-24895 *	#
US-PATENT-APPL-SN-799026	c 44	N79-11468 *	#	US-PATENT-APPL-SN-820963	c 07	N71-19854 *	US-PATENT-APPL-SN-839941	c 07	N71-26181 *	#
US-PATENT-APPL-SN-799353	c 09	N71-27232 *	#	US-PATENT-APPL-SN-820964	c 15	N71-28740 *	US-PATENT-APPL-SN-839963	c 27	N79-33316 *	#
US-PATENT-APPL-SN-799832	c 33	N79-15245 *	#	US-PATENT-APPL-SN-820965	c 09	N71-13486 *	US-PATENT-APPL-SN-839963	c 27	N81-14078 *	#
US-PATENT-APPL-SN-800204	c 06	N72-17094 *	#	US-PATENT-APPL-SN-821586	c 26	N71-14354 *	US-PATENT-APPL-SN-839994	c 28	N71-28915 *	#
US-PATENT-APPL-SN-80029	c 14	N73-32320 *	#	US-PATENT-APPL-SN-821681	c 35	N78-27384 *	US-PATENT-APPL-SN-840002	c 08	N73-20217 *	#
US-PATENT-APPL-SN-80029	c 74	N74-20008 *	#	US-PATENT-APPL-SN-822039	c 06	N72-25149 *	US-PATENT-APPL-SN-840176	c 28	N71-27095 *	#
US-PATENT-APPL-SN-800973	c 16	N71-24832 *	#	US-PATENT-APPL-SN-822088	c 15	N71-27135 *	US-PATENT-APPL-SN-840308	c 07	N71-33613 *	#
US-PATENT-APPL-SN-801290	c 37	N79-18318 *	#	US-PATENT-APPL-SN-822089	c 23	N72-23695 *	US-PATENT-APPL-SN-840359	c 23	N71-29125 *	#
US-PATENT-APPL-SN-801290	c 37	N80-26658 *	#	US-PATENT-APPL-SN-822090	c 16	N71-27183 *	US-PATENT-APPL-SN-840870	c 15	N71-26189 *	#
US-PATENT-APPL-SN-801290	c 37	N82-19540 *	#	US-PATENT-APPL-SN-822518	c 09	N71-13522 *	US-PATENT-APPL-SN-840983	c 05	N70-33285 *	#
US-PATENT-APPL-SN-801312	c 16	N71-15565 *	#	US-PATENT-APPL-SN-822519	c 14	N71-28992 *	US-PATENT-APPL-SN-841278	c 33	N77-21316 *	#
US-PATENT-APPL-SN-801336	c 02	N71-13422 *	#	US-PATENT-APPL-SN-822534	c 09	N72-11224 *	US-PATENT-APPL-SN-841845	c 14	N73-32317 *	#
US-PATENT-APPL-SN-801432	c 33	N78-32341 *	#	US-PATENT-APPL-SN-822279	c 03	N76-32140 *	US-PATENT-APPL-SN-842112	c 27	N74-17283 *	#
US-PATENT-APPL-SN-801452	c 44	N79-11471 *	#	US-PATENT-APPL-SN-82280	c 09	N72-25262 *	US-PATENT-APPL-SN-842170	c 11	N70-33278 *	#
US-PATENT-APPL-SN-801660	c 14	N71-26672 *	#	US-PATENT-APPL-SN-823061	c 44	N79-23481 *	US-PAT			

US-PATENT-APPL-SN-845971	c 11	N71-28629 *	US-PATENT-APPL-SN-860635	c 28	N72-17843 * #	US-PATENT-APPL-SN-880726	c 44	N80-21828 * #
US-PATENT-APPL-SN-845972	c 09	N70-11148 * #	US-PATENT-APPL-SN-860750	c 08	N72-22165 * #	US-PATENT-APPL-SN-880727	c 35	N79-28527 * #
US-PATENT-APPL-SN-845973	c 11	N71-24985 *	US-PATENT-APPL-SN-860751	c 08	N72-18184 * #	US-PATENT-APPL-SN-880728	c 37	N80-10494 * #
US-PATENT-APPL-SN-845974	c 33	N71-25353 *	US-PATENT-APPL-SN-860781	c 18	N72-22567 * #	US-PATENT-APPL-SN-880729	c 35	N80-20563 * #
US-PATENT-APPL-SN-845990	c 14	N71-27005 *	US-PATENT-APPL-SN-861152	c 14	N70-33322 *	US-PATENT-APPL-SN-880831	c 11	N72-20244 * #
US-PATENT-APPL-SN-845991	c 14	N71-29134 *	US-PATENT-APPL-SN-861390	c 28	N79-28342 * #	US-PATENT-APPL-SN-880838	c 37	N79-28549 * #
US-PATENT-APPL-SN-847023	c 31	N70-37938 * #	US-PATENT-APPL-SN-861391	c 44	N79-12541 * #	US-PATENT-APPL-SN-880885	c 07	N72-12080 *
US-PATENT-APPL-SN-847027	c 03	N70-33343 *	US-PATENT-APPL-SN-861396	c 71	N79-23753 * #	US-PATENT-APPL-SN-881039	c 09	N71-24824 *
US-PATENT-APPL-SN-847276	c 37	N81-32510 * #	US-PATENT-APPL-SN-861396	c 35	N79-14349 * #	US-PATENT-APPL-SN-881041	c 09	N72-22402 * #
US-PATENT-APPL-SN-847277	c 31	N79-28370 * #	US-PATENT-APPL-SN-861649	c 14	N72-17327 * #	US-PATENT-APPL-SN-882122	c 14	N72-22438 * #
US-PATENT-APPL-SN-847278	c 34	N79-20335 * #	US-PATENT-APPL-SN-862878	c 09	N82-29330 * #	US-PATENT-APPL-SN-882577	c 07	N71-27056 * #
US-PATENT-APPL-SN-847596	c 15	N70-10867 * #	US-PATENT-APPL-SN-862880	c 24	N79-31347 * #	US-PATENT-APPL-SN-883090	c 44	N80-29834 * #
US-PATENT-APPL-SN-847815	c 52	N75-15270 * #	US-PATENT-APPL-SN-862921	c 31	N71-29050 * #	US-PATENT-APPL-SN-883094	c 54	N79-24651 * #
US-PATENT-APPL-SN-848282	c 15	N72-21462 * #	US-PATENT-APPL-SN-863024	c 46	N80-14603 * #	US-PATENT-APPL-SN-883523	c 09	N72-33260 * #
US-PATENT-APPL-SN-848325	c 06	N70-11251 * #	US-PATENT-APPL-SN-863276	c 16	N72-12440 * #	US-PATENT-APPL-SN-883524	c 29	N72-21246 * #
US-PATENT-APPL-SN-848351	c 06	N70-11252 * #	US-PATENT-APPL-SN-863280	c 24	N72-33681 * #	US-PATENT-APPL-SN-883961	c 05	N80-11616 * #
US-PATENT-APPL-SN-848403	c 33	N74-20859 * #	US-PATENT-APPL-SN-8636	c 15	N72-25451 * #	US-PATENT-APPL-SN-884335	c 35	N74-15090 * #
US-PATENT-APPL-SN-848403	c 36	N75-27364 * #	US-PATENT-APPL-SN-863770	c 44	N79-18444 * #	US-PATENT-APPL-SN-885049	c 33	N79-23345 * #
US-PATENT-APPL-SN-848418	c 43	N79-26439 * #	US-PATENT-APPL-SN-863773	c 44	N79-26475 * #	US-PATENT-APPL-SN-885065	c 35	N79-18296 * #
US-PATENT-APPL-SN-848419	c 43	N80-23711 * #	US-PATENT-APPL-SN-863913	c 14	N71-28991 * #	US-PATENT-APPL-SN-885066	c 33	N80-26599 * #
US-PATENT-APPL-SN-848420	c 43	N79-25443 * #	US-PATENT-APPL-SN-863914	c 09	N72-31235 * #	US-PATENT-APPL-SN-885067	c 33	N79-28415 * #
US-PATENT-APPL-SN-848421	c 43	N80-14423 * #	US-PATENT-APPL-SN-863963	c 10	N71-26085 * #	US-PATENT-APPL-SN-885521	c 03	N72-28025 * #
US-PATENT-APPL-SN-848428	c 25	N82-21268 * #	US-PATENT-APPL-SN-863967	c 11	N71-27036 * #	US-PATENT-APPL-SN-885571	c 09	N71-28886 * #
US-PATENT-APPL-SN-848481	c 17	N70-33283 *	US-PATENT-APPL-SN-864020	c 15	N72-17454 * #	US-PATENT-APPL-SN-885594	c 15	N71-29133 *
US-PATENT-APPL-SN-848776	c 07	N72-22127 * #	US-PATENT-APPL-SN-864039	c 15	N72-22483 * #	US-PATENT-APPL-SN-887685	c 10	N72-20223 * #
US-PATENT-APPL-SN-848793	c 43	N79-31706 * #	US-PATENT-APPL-SN-864097	c 15	N71-33606 * #	US-PATENT-APPL-SN-887698	c 09	N72-17153 * #
US-PATENT-APPL-SN-848794	c 44	N79-24431 * #	US-PATENT-APPL-SN-86417	c 07	N72-25171 * #	US-PATENT-APPL-SN-887699	c 15	N72-17452 * #
US-PATENT-APPL-SN-848805	c 06	N72-17095 * #	US-PATENT-APPL-SN-8650	c 03	N72-25021 * #	US-PATENT-APPL-SN-887700	c 07	N71-28980 * #
US-PATENT-APPL-SN-848810	c 07	N72-11148 *	US-PATENT-APPL-SN-865106	c 09	N72-22202 * #	US-PATENT-APPL-SN-887701	c 08	N71-29034 *
US-PATENT-APPL-SN-848811	c 10	N71-26142 *	US-PATENT-APPL-SN-865109	c 14	N71-28933 * #	US-PATENT-APPL-SN-888362	c 33	N80-14330 * #
US-PATENT-APPL-SN-849106	c 09	N72-22197 * #	US-PATENT-APPL-SN-865274	c 09	N72-17155 * #	US-PATENT-APPL-SN-888432	c 74	N81-17886 * #
US-PATENT-APPL-SN-849274	c 28	N79-14228 * #	US-PATENT-APPL-SN-865298	c 15	N72-11388 * #	US-PATENT-APPL-SN-888434	c 51	N83-27569 * #
US-PATENT-APPL-SN-84961	c 02	N70-34178 * #	US-PATENT-APPL-SN-865329	c 15	N71-29132 * #	US-PATENT-APPL-SN-889374	c 08	N72-25207 * #
US-PATENT-APPL-SN-84962	c 21	N70-36943 * #	US-PATENT-APPL-SN-86548	c 09	N72-21243 * #	US-PATENT-APPL-SN-889375	c 10	N72-20222 * #
US-PATENT-APPL-SN-8497	c 14	N72-11363 *	US-PATENT-APPL-SN-865811	c 09	N71-27053 * #	US-PATENT-APPL-SN-889376	c 18	N71-26285 *
US-PATENT-APPL-SN-8498	c 05	N71-24729 *	US-PATENT-APPL-SN-865909	c 14	N72-11364 * #	US-PATENT-APPL-SN-889387	c 09	N71-29035 *
US-PATENT-APPL-SN-850504	c 52	N81-14613 * #	US-PATENT-APPL-SN-866442	c 25	N72-24253 * #	US-PATENT-APPL-SN-889420	c 14	N72-25413 * #
US-PATENT-APPL-SN-850504	c 52	N81-29764 * #	US-PATENT-APPL-SN-8667841	c 11	N72-22746 * #	US-PATENT-APPL-SN-889422	c 09	N72-25259 * #
US-PATENT-APPL-SN-850507	c 25	N79-14169 * #	US-PATENT-APPL-SN-867842	c 23	N72-27228 * #	US-PATENT-APPL-SN-889423	c 10	N72-22236 * #
US-PATENT-APPL-SN-850586	c 31	N71-25434 *	US-PATENT-APPL-SN-867843	c 14	N71-26161 * #	US-PATENT-APPL-SN-889437	c 15	N72-11392 * #
US-PATENT-APPL-SN-850587	c 08	N72-21199 * #	US-PATENT-APPL-SN-867851	c 15	N72-22484 * #	US-PATENT-APPL-SN-889438	c 15	N72-18477 * #
US-PATENT-APPL-SN-851298	c 15	N72-12409 *	US-PATENT-APPL-SN-868249	c 33	N80-18286 * #	US-PATENT-APPL-SN-889478	c 08	N71-29138 *
US-PATENT-APPL-SN-851394	c 09	N71-24892 *	US-PATENT-APPL-SN-868445	c 14	N72-17323 * #	US-PATENT-APPL-SN-889479	c 14	N72-17325 * #
US-PATENT-APPL-SN-852131	c 15	N71-24836 *	US-PATENT-APPL-SN-868529	c 08	N72-21671 * #	US-PATENT-APPL-SN-889551	c 21	N72-21624 * #
US-PATENT-APPL-SN-852843	c 09	N72-22195 * #	US-PATENT-APPL-SN-868530	c 05	N72-11084 * #	US-PATENT-APPL-SN-889554	c 15	N72-20444 * #
US-PATENT-APPL-SN-853349	c 35	N81-33448 * #	US-PATENT-APPL-SN-868775	c 09	N72-25261 * #	US-PATENT-APPL-SN-889555	c 09	N72-17154 * #
US-PATENT-APPL-SN-853641	c 33	N72-25913 * #	US-PATENT-APPL-SN-868775	c 09	N73-27150 * #	US-PATENT-APPL-SN-889556	c 14	N72-18411 * #
US-PATENT-APPL-SN-853677	c 34	N79-31523 * #	US-PATENT-APPL-SN-869260	c 05	N72-20097 * #	US-PATENT-APPL-SN-889557	c 11	N72-17183 * #
US-PATENT-APPL-SN-853679	c 35	N79-14346 * #	US-PATENT-APPL-SN-869260	c 05	N73-25125 * #	US-PATENT-APPL-SN-889558	c 15	N72-22491 * #
US-PATENT-APPL-SN-853705	c 45	N79-12584 * #	US-PATENT-APPL-SN-870689	c 06	N72-25148 * #	US-PATENT-APPL-SN-889583	c 15	N72-21464 * #
US-PATENT-APPL-SN-853716	c 09	N71-24904 *	US-PATENT-APPL-SN-87222	c 05	N72-27103 * #	US-PATENT-APPL-SN-889584	c 08	N73-31226 * #
US-PATENT-APPL-SN-853746	c 02	N72-11018 *	US-PATENT-APPL-SN-872602	c 09	N72-22200 * #	US-PATENT-APPL-SN-889670	c 39	N79-22537 * #
US-PATENT-APPL-SN-853763	c 07	N70-12616 * #	US-PATENT-APPL-SN-872664	c 08	N70-34675 * #	US-PATENT-APPL-SN-889671	c 24	N81-14000 * #
US-PATENT-APPL-SN-853763	c 07	N72-33146 * #	US-PATENT-APPL-SN-873045	c 14	N72-20379 * #	US-PATENT-APPL-SN-889671	c 24	N81-33235 * #
US-PATENT-APPL-SN-853855	c 17	N72-22530 * #	US-PATENT-APPL-SN-873259	c 08	N72-21200 * #	US-PATENT-APPL-SN-889682	c 15	N72-25447 * #
US-PATENT-APPL-SN-853855	c 17	N72-28535 * #	US-PATENT-APPL-SN-873260	c 33	N72-17948 * #	US-PATENT-APPL-SN-891243	c 44	N79-25482 * #
US-PATENT-APPL-SN-853856	c 16	N71-29131 *	US-PATENT-APPL-SN-873793	c 14	N72-21407 * #	US-PATENT-APPL-SN-891244	c 05	N79-24976 * #
US-PATENT-APPL-SN-853983	c 14	N70-33254 *	US-PATENT-APPL-SN-874177	c 11	N72-25284 * #	US-PATENT-APPL-SN-891356	c 35	N80-18359 * #
US-PATENT-APPL-SN-853984	c 21	N70-33181 *	US-PATENT-APPL-SN-874435	c 11	N71-33612 *	US-PATENT-APPL-SN-891358	c 44	N80-14474 * #
US-PATENT-APPL-SN-854815	c 09	N71-24807 *	US-PATENT-APPL-SN-874673	c 27	N82-29454 * #	US-PATENT-APPL-SN-891370	c 20	N79-20179 * #
US-PATENT-APPL-SN-854920	c 15	N79-26100 * #	US-PATENT-APPL-SN-874674	c 27	N82-29452 * #	US-PATENT-APPL-SN-891372	c 37	N79-22474 * #
US-PATENT-APPL-SN-855004	c 24	N72-11595 * #	US-PATENT-APPL-SN-874675	c 27	N82-29455 * #	US-PATENT-APPL-SN-891373	c 31	N80-18231 * #
US-PATENT-APPL-SN-855364	c 52	N81-27783 * #	US-PATENT-APPL-SN-874732	c 09	N71-29139 * #	US-PATENT-APPL-SN-891872	c 25	N82-24312 * #
US-PATENT-APPL-SN-85585	c 21	N70-35427 * #	US-PATENT-APPL-SN-874733	c 15	N71-26635 * #	US-PATENT-APPL-SN-89209	c 09	N72-25248 * #
US-PATENT-APPL-SN-856253	c 24	N74-19769 * #	US-PATENT-APPL-SN-874958	c 31	N71-15566 * #	US-PATENT-APPL-SN-89210	c 07	N73-26119 * #
US-PATENT-APPL-SN-856258	c 05	N71-17599 *	US-PATENT-APPL-SN-87550	c 06	N72-25146 * #	US-PATENT-APPL-SN-89211	c 14	N73-12446 * #
US-PATENT-APPL-SN-856279	c 07	N72-21118 * #	US-PATENT-APPL-SN-87551	c 33	N73-16918 * #	US-PATENT-APPL-SN-89212	c 08	N72-25208 * #
US-PATENT-APPL-SN-856282	c 08	N72-22166 * #	US-PATENT-APPL-SN-875849	c 07	N71-33696 * #	US-PATENT-APPL-SN-893382	c 34	N79-24285 * #
US-PATENT-APPL-SN-856327	c 05	N72-16015 * #	US-PATENT-APPL-SN-87597	c 03	N74-22864 * #	US-PATENT-APPL-SN-893383	c 31	N81-27323 * #
US-PATENT-APPL-SN-856328	c 14	N72-22441 * #	US-PATENT-APPL-SN-876299	c 44	N80-18552 * #	US-PATENT-APPL-SN-893657	c 51	N80-27067 * #
US-PATENT-APPL-SN-856415	c 09	N71-26182 *	US-PATENT-APPL-SN-876431	c 33	N79-24254 * #	US-PATENT-APPL-SN-893857	c 24	N81-17170 * #
US-PATENT-APPL-SN-856460	c 25	N79-24073 * #	US-PATENT-APPL-SN-876432	c 36	N80-18372 * #	US-PATENT-APPL-SN-893857	c 24	N81-26179 * #
US-PATENT-APPL-SN-856461	c 34	N79-12359 * #	US-PATENT-APPL-SN-876438	c 52	N79-26772 * #	US-PATENT-APPL-SN-893865	c 37	N81-24443 * #
US-PATENT-APPL-SN-856462	c 34	N80-24573 * #	US-PATENT-APPL-SN-876440	c 51	N80-16714 * #	US-PATENT-APPL-SN-893903	c 60	N81-15706 * #
US-PATENT-APPL-SN-856462	c 44	N81-24519 * #	US-PATENT-APPL-SN-876441	c 74	N79-20856 * #	US-PATENT-APPL-SN-894213	c 37	N80-23655 * #
US-PATENT-APPL-SN-856464	c 36	N79-14362 * #	US-PATENT-APPL-SN-876588	c 15	N72-25452 * #	US-PATENT-APPL-SN-894218	c 52	N81-29763 * #
US-PATENT-APPL-SN-856465	c 44	N80-14473 * #	US-PATENT-APPL-SN-876588	c 25	N74-30502 * #	US-PATENT-APPL-SN-897829	c 44	N79-25481 * #
US-PATENT-APPL-SN-856466	c 72	N80-14877 * #	US-PATENT-APPL-SN-877445	c 23	N82-29358 * #	US-PATENT-APPL-SN-897830	c 35	N80-21719 * #
US-PATENT-APPL-SN-857241	c 46	N74-23069 * #	US-PATENT-APPL-SN-877717	c 14	N72-27410 * #	US-PATENT-APPL-SN-897831	c 44	N80-20808 * #
US-PATENT-APPL-SN-857445	c 05	N71-24728 *	US-PATENT-APPL-SN-877717	c 14	N73-13417 * #	US-PATENT-APPL-SN-897832	c 31	N78-24387 * #
US-PATENT-APPL-SN-857967	c 15	N72-20443 * #	US-PATENT-APPL-SN-877990	c 14	N72-28437 * #	US-PATENT-APPL-SN-897832	c 43	N81-26509 * #
US-PATENT-APPL-SN-858596	c 35	N78-18395 * #	US-PATENT-APPL-SN-878253	c 25	N81-33246 * #	US-PATENT-APPL-SN-897840	c 31	N81-14137 * #
US-PATENT-APPL-SN-858695	c 11	N72-22247 * #	US-PATENT-APPL-SN-878539	c 35	N80-20560 * #	US-PATENT-APPL-SN-899123	c 44	N79-14528 * #
US-PATENT-APPL-SN-858762	c 08	N79-23097 * #	US-PATENT-APPL					

US-PATENT-APPL-SN-907435	c 27	N80-10358 *	#	US-PATENT-APPL-SN-953389	c 74	N80-27185 *	#	US-PATENT-CLASS-102-49 5	c 31	N71-15687 *
US-PATENT-APPL-SN-907436	c 37	N80-14398 *	#	US-PATENT-APPL-SN-953390	c 74	N80-21138 *	#	US-PATENT-CLASS-102-49 5	c 15	N71-22874 *
US-PATENT-APPL-SN-907479	c 27	N80-24438 *	#	US-PATENT-APPL-SN-953391	c 72	N80-93186 *	#	US-PATENT-CLASS-102-49 5	c 31	N71-23008 *
US-PATENT-APPL-SN-909100	o 37	N79-28550 *	#	US-PATENT-APPL-SN-956160	c 32	N80-18253 *	#	US-PATENT-CLASS-102-49 5	c 31	N73-14853 *
US-PATENT-APPL-SN-909235	c 07	N81-19115 *	#	US-PATENT-APPL-SN-956161	c 27	N79-11215 *	#	US-PATENT-CLASS-102-49 7	c 28	N73-24784 *
US-PATENT-APPL-SN-909608	c 07	N81-19116 *	#	US-PATENT-APPL-SN-956166	c 33	N81-19393 *	#	US-PATENT-CLASS-102-49 7	c 20	N78-24275 *
US-PATENT-APPL-SN-910707	c 32	N80-20448 *	#	US-PATENT-APPL-SN-956168	c 27	N81-25209 *	#	US-PATENT-CLASS-102-49 8	c 28	N73-24784 *
US-PATENT-APPL-SN-910708	c 06	N80-18036 *	#	US-PATENT-APPL-SN-956529	c 35	N80-26635 *	#	US-PATENT-CLASS-102-49	c 33	N70-36846 *
US-PATENT-APPL-SN-910793	c 44	N80-16452 *	#	US-PATENT-APPL-SN-957452	c 32	N80-24510 *	#	US-PATENT-CLASS-102-49	c 28	N70-38181 *
US-PATENT-APPL-SN-910794	c 14	N81-26161 *	#	US-PATENT-APPL-SN-958573	c 25	N80-20334 *	#	US-PATENT-CLASS-102-49	c 03	N70-39930 *
US-PATENT-APPL-SN-910992	c 52	N78-27750 *	#	US-PATENT-APPL-SN-958575	c 27	N80-24437 *	#	US-PATENT-CLASS-102-49	c 15	N70-41679 *
US-PATENT-APPL-SN-910992	c 52	N81-24711 *	#	US-PATENT-APPL-SN-961831	c 33	N81-25299 *	#	US-PATENT-CLASS-102-49	c 28	N70-41967 *
US-PATENT-APPL-SN-91180	c 14	N70-40240 *	#	US-PATENT-APPL-SN-961832	c 37	N81-24442 *	#	US-PATENT-CLASS-102-49	c 31	N71-10582 *
US-PATENT-APPL-SN-912276	c 24	N81-29163 *	#	US-PATENT-APPL-SN-961833	c 37	N82-21587 *	#	US-PATENT-CLASS-102-49	c 15	N71-13789 *
US-PATENT-APPL-SN-914260	c 44	N79-26474 *	#	US-PATENT-APPL-SN-964009	c 02	N80-20224 *	#	US-PATENT-CLASS-102-49	c 31	N71-15692 *
US-PATENT-APPL-SN-915050	c 44	N81-12542 *	#	US-PATENT-APPL-SN-964754	c 33	N80-20487 *	#	US-PATENT-CLASS-102-49	c 31	N71-17730 *
US-PATENT-APPL-SN-916142	c 14	N72-31446 *	#	US-PATENT-APPL-SN-964754	c 44	N81-29524 *	#	US-PATENT-CLASS-102-504	c 15	N82-24272 *
US-PATENT-APPL-SN-916654	c 07	N81-29129 *	#	US-PATENT-APPL-SN-965367	c 33	N81-14221 *	#	US-PATENT-CLASS-102-50	c 31	N71-24750 *
US-PATENT-APPL-SN-916655	c 44	N80-14472 *	#	US-PATENT-APPL-SN-965368	c 74	N81-17888 *	#	US-PATENT-CLASS-102-56R	c 02	N81-14968 *
US-PATENT-APPL-SN-918533	c 32	N79-23310 *	#	US-PATENT-APPL-SN-969755	c 05	N81-19087 *	#	US-PATENT-CLASS-102-70 2A	c 28	N74-27425 *
US-PATENT-APPL-SN-918534	c 33	N80-32650 *	#	US-PATENT-APPL-SN-969756	c 37	N81-14317 *	#	US-PATENT-CLASS-102-70 2R	c 19	N74-15089 *
US-PATENT-APPL-SN-918535	c 35	N80-18357 *	#	US-PATENT-APPL-SN-969757	c 24	N84-16262 *	#	US-PATENT-CLASS-102-70 2	c 09	N71-18599 *
US-PATENT-APPL-SN-918537	c 26	N80-14229 *	#	US-PATENT-APPL-SN-969759	c 25	N82-11144 *	#	US-PATENT-CLASS-102-70 2R	c 28	N74-27425 *
US-PATENT-APPL-SN-918705	c 52	N82-33996 *	#	US-PATENT-APPL-SN-969760	c 39	N81-25400 *	#	US-PATENT-CLASS-102-70R	c 20	N78-24275 *
US-PATENT-APPL-SN-920878	c 24	N78-27184 *	#	US-PATENT-APPL-SN-969761	c 32	N82-12927 *	#	US-PATENT-CLASS-102-90	c 15	N74-27360 *
US-PATENT-APPL-SN-920879	c 44	N79-31752 *	#	US-PATENT-APPL-SN-969762	c 33	N82-29539 *	#	US-PATENT-CLASS-102-92 1	c 02	N81-14968 *
US-PATENT-APPL-SN-921626	c 25	N80-23383 *	#	US-PATENT-APPL-SN-971112	c 21	N70-34539 *	#	US-PATENT-CLASS-102-95	c 11	N73-32152 *
US-PATENT-APPL-SN-921627	c 33	N80-14332 *	#	US-PATENT-APPL-SN-971473	c 23	N81-29160 *	#	US-PATENT-CLASS-102-99	c 28	N77-10213 *
US-PATENT-APPL-SN-923758	c 20	N78-27176 *	#	US-PATENT-APPL-SN-971474	c 20	N82-18314 *	#	US-PATENT-CLASS-103 5R	c 04	N73-27052 *
US-PATENT-APPL-SN-923758	c 20	N80-10278 *	#	US-PATENT-APPL-SN-971475	c 27	N81-24257 *	#	US-PATENT-CLASS-103-1	c 26	N71-21824 *
US-PATENT-APPL-SN-9251	c 03	N70-34646 *	#	US-PATENT-APPL-SN-971596	c 27	N80-32516 *	#	US-PATENT-CLASS-103-37	c 28	N71-14058 *
US-PATENT-APPL-SN-928128	c 44	N80-18551 *	#	US-PATENT-APPL-SN-972252	c 35	N81-33448 *	#	US-PATENT-CLASS-103-48	c 15	N71-24042 *
US-PATENT-APPL-SN-928129	c 35	N80-14371 *	#	US-PATENT-APPL-SN-97343	c 10	N72-27246 *	#	US-PATENT-CLASS-104-DIG 4	c 44	N84-23019 *
US-PATENT-APPL-SN-928130	c 35	N80-20559 *	#	US-PATENT-APPL-SN-974292	c 26	N80-23419 *	#	US-PATENT-CLASS-104-138R	c 85	N74-34672 *
US-PATENT-APPL-SN-928131	c 09	N79-31228 *	#	US-PATENT-APPL-SN-974471	c 32	N81-14185 *	#	US-PATENT-CLASS-104-139	c 05	N71-28619 *
US-PATENT-APPL-SN-928133	c 44	N80-18550 *	#	US-PATENT-APPL-SN-974472	c 37	N81-15363 *	#	US-PATENT-CLASS-104-1	c 05	N71-28619 *
US-PATENT-APPL-SN-928137	c 52	N80-23969 *	#	US-PATENT-APPL-SN-974473	c 60	N81-27814 *	#	US-PATENT-CLASS-104-23FS	c 85	N74-34672 *
US-PATENT-APPL-SN-929083	c 36	N80-16321 *	#	US-PATENT-APPL-SN-974474	c 35	N81-19242 *	#	US-PATENT-CLASS-104-281	c 37	N85-20337 *
US-PATENT-APPL-SN-929084	c 37	N81-19455 *	#	US-PATENT-APPL-SN-974475	c 23	N81-17349 *	#	US-PATENT-CLASS-104-282	c 37	N83-32067 *
US-PATENT-APPL-SN-929086	c 24	N81-13999 *	#	US-PATENT-APPL-SN-974476	c 52	N81-14613 *	#	US-PATENT-CLASS-104-284	c 37	N85-20337 *
US-PATENT-APPL-SN-929087	c 35	N80-28687 *	#	US-PATENT-APPL-SN-97472	c 14	N73-28487 *	#	US-PATENT-CLASS-104-290	c 37	N83-32067 *
US-PATENT-APPL-SN-929088	c 74	N80-24149 *	#	US-PATENT-APPL-SN-97629	c 06	N73-13129 *	#	US-PATENT-CLASS-104-83	c 37	N82-21587 *
US-PATENT-APPL-SN-931090	c 37	N80-26658 *	#	US-PATENT-APPL-SN-98517	c 09	N72-25250 *	#	US-PATENT-CLASS-105-1A	c 37	N82-21587 *
US-PATENT-APPL-SN-931090	c 37	N82-19540 *	#	US-PATENT-APPL-SN-98640	c 09	N72-25253 *	#	US-PATENT-CLASS-105-161	c 43	N79-26439 *
US-PATENT-APPL-SN-931217	c 37	N80-32716 *	#	US-PATENT-APPL-SN-98772	c 08	N73-12176 *	#	US-PATENT-CLASS-105-171	c 37	N82-21587 *
US-PATENT-APPL-SN-931218	c 20	N80-18097 *	#	US-PATENT-APPL-SN-98773	c 15	N72-22486 *	#	US-PATENT-CLASS-105-180	c 37	N82-21587 *
US-PATENT-APPL-SN-933186	c 27	N80-32515 *	#	US-PATENT-APPL-SN-98774	c 14	N73-19419 *	#	US-PATENT-CLASS-105-2R	c 85	N82-33288 *
US-PATENT-APPL-SN-93329	c 09	N73-26195 *	#	US-PATENT-APPL-SN-98798	c 09	N73-13209 *	#	US-PATENT-CLASS-105-218R	c 37	N82-21587 *
US-PATENT-APPL-SN-935476	c 35	N80-18358 *	#	US-PATENT-APPL-SN-99174	c 14	N72-33377 *	#	US-PATENT-CLASS-106-1 2	c 44	N79-31752 *
US-PATENT-APPL-SN-935827	c 37	N80-18393 *	#	US-PATENT-APPL-SN-99175	c 09	N72-25258 *	#	US-PATENT-CLASS-106-13	c 23	N75-14834 *
US-PATENT-APPL-SN-93714	c 44	N82-26780 *	#	US-PATENT-APPL-SN-99198	c 31	N73-32749 *	#	US-PATENT-CLASS-106-15FP	c 27	N74-27037 *
US-PATENT-APPL-SN-938293	c 32	N80-32605 *	#	US-PATENT-APPL-SN-99201	c 15	N73-25512 *	#	US-PATENT-CLASS-106-15FP	c 27	N76-24405 *
US-PATENT-APPL-SN-938297	c 25	N81-14015 *	#	US-PATENT-APPL-SN-99201	c 37	N74-20063 *	#	US-PATENT-CLASS-106-15FP	c 24	N78-15180 *
US-PATENT-APPL-SN-938298	c 33	N81-17348 *	#	US-PATENT-APPL-SN-99524	c 06	N72-27144 *	#	US-PATENT-CLASS-106-15R	c 23	N75-14834 *
US-PATENT-APPL-SN-938299	c 33	N81-19389 *	#	US-PATENT-APPL-SN-99901	c 37	N74-10474 *	#	US-PATENT-CLASS-106-15	c 18	N71-14014 *
US-PATENT-APPL-SN-938300	c 37	N80-23654 *	#	US-PATENT-APPL-SN-99903	c 11	N73-12265 *	#	US-PATENT-CLASS-106-15	c 18	N71-15469 *
US-PATENT-APPL-SN-938579	c 76	N80-32244 *	#	US-PATENT-CASE-179-146-R	c 05	N83-27975 *	#	US-PATENT-CLASS-106-18 16	c 27	N82-16238 *
US-PATENT-APPL-SN-938581	c 04	N80-32359 *	#	US-PATENT-CASE-179-179	c 05	N83-27975 *	#	US-PATENT-CLASS-106-18 24	c 27	N82-16238 *
US-PATENT-APPL-SN-94049	c 37	N80-23653 *	#	US-PATENT-CASE-244-121	c 05	N83-19737 *	#	US-PATENT-CLASS-106-197	c 25	N82-29370 *
US-PATENT-APPL-SN-940688	c 14	N73-20476 *	#	US-PATENT-CASE-244-129 4	c 05	N83-19737 *	#	US-PATENT-CLASS-106-1	c 44	N79-31752 *
US-PATENT-APPL-SN-940689	c 24	N79-24062 *	#	US-PATENT-CASE-292-254	c 05	N83-19737 *	#	US-PATENT-CLASS-106-209	c 05	N72-25120 *
US-PATENT-APPL-SN-940970	c 35	N80-28686 *	#	US-PATENT-CASE-356-129	c 05	N83-19737 *	#	US-PATENT-CLASS-106-286	c 18	N72-22566 *
US-PATENT-APPL-SN-941711	c 72	N80-27163 *	#	US-PATENT-CASE-367-906	c 36	N83-29680 *	#	US-PATENT-CLASS-106-287SB	c 23	N75-14834 *
US-PATENT-APPL-SN-94259	c 24	N80-26388 *	#	US-PATENT-CASE-368-10	c 05	N83-27975 *	#	US-PATENT-CLASS-106-288B	c 18	N72-22566 *
US-PATENT-APPL-SN-943086	c 27	N70-35534 *	#	US-PATENT-CASE-368-118	c 35	N83-29651 *	#	US-PATENT-CLASS-106-292	c 18	N72-17532 *
US-PATENT-APPL-SN-943087	c 37	N80-32717 *	#	US-PATENT-CASE-368-119	c 35	N83-29651 *	#	US-PATENT-CLASS-106-296	c 27	N77-30237 *
US-PATENT-APPL-SN-943088	c 15	N78-32168 *	#	US-PATENT-CASE-368-120	c 35	N83-29651 *	#	US-PATENT-CLASS-106-296	c 18	N71-26772 *
US-PATENT-APPL-SN-943089	c 18	N80-14183 *	#	US-PATENT-CASE-368-6	c 35	N83-29651 *	#	US-PATENT-CLASS-106-299	c 27	N77-30237 *
US-PATENT-APPL-SN-94347	c 74	N80-21140 *	#	US-PATENT-CASE-368-9	c 35	N83-29651 *	#	US-PATENT-CLASS-106-299	c 24	N79-14156 *
US-PATENT-APPL-SN-94369	c 05	N72-25122 *	#	US-PATENT-CLASS-165-27	c 35	N83-29651 *	#	US-PATENT-CLASS-106-299	c 18	N72-17532 *
US-PATENT-APPL-SN-94374	c 07	N71-28965 *	#	US-PATENT-CLASS-361-90	c 33	N83-34221 *	#	US-PATENT-CLASS-106-289	c 27	N77-30237 *
US-PATENT-APPL-SN-945040	c 14	N72-25411 *	#	US-PATENT-CLASS-D12-76	c 34	N83-34221 *	#	US-PATENT-CLASS-106-306	c 24	N76-24363 *
US-PATENT-APPL-SN-945041	c 37	N82-24492 *	#	US-PATENT-CLASS-D71-1	c 33	N80-34910 *	#	US-PATENT-CLASS-106-39 5	c 27	N78-19302 *
US-PATENT-APPL-SN-945043	c 43	N80-18498 *	#	US-PATENT-CLASS-100-299	c 05	N75-25914 *	#	US-PATENT-CLASS-106-39R	c 18	N73-14584 *
US-PATENT-APPL-SN-945044	c 33	N81-33403 *	#	US-PATENT-CLASS-100-8	c 05	N74-10907 *	#	US-PATENT-CLASS-106-399	c 26	N72-28762 *
US-PATENT-APPL-SN-945046	c 54	N81-26718 *	#	US-PATENT-CLASS-100-395	c 05	N74-10907 *	#	US-PATENT-CLASS-106-40	c 18	N71-22998 *
US-PATENT-APPL-SN-945436	c 46	N80-24906 *	#	US-PATENT-CLASS-101-395	c 15	N72-20446 *	#	US-PATENT-CLASS-106-43	c 27	N78-17206 *
US-PATENT-APPL-SN-946990	c 28	N80-23471 *	#	US-PATENT-CLASS-101-407BP	c 33	N74-17928 *	#	US-PATENT-CLASS-106-48	c 37	N81-25371 *
US-PATENT-APPL-SN-946991	c 31	N81-27324 *	#	US-PATENT-CLASS-102-101	c 33	N84-22930 *	#	US-PATENT-CLASS-106-48	c 26	N72-28762 *
US-PATENT-APPL-SN-946994	c 45	N80-14579 *	#	US-PATENT-CLASS-102-103	c 35	N84-12491 *	#	US-PATENT-CLASS-106-48	c 27	N75-27160 *
US-PATENT-APPL-SN-947000	c 44	N79-31753 *	#	US-PATENT-CLASS-102-105	c 37	N81-26779 *	#	US-PATENT-CLASS-106-48	c 27	N78-32260 *
US-PATENT-APPL-SN-94952	c 28	N81-15119 *	#</							

US-PATENT-CLASS-106-58	c 18	N73-14584 *	#	US-PATENT-CLASS-117-33 3	c 70	N74-13436 *	#	US-PATENT-CLASS-123-179R	c 28	N80-10374 *	#
US-PATENT-CLASS-106-63	c 18	N73-14584 *	#	US-PATENT-CLASS-117-35R	c 06	N73-13128 *	#	US-PATENT-CLASS-123-197R	c 37	N83-36483 *	#
US-PATENT-CLASS-106-65	c 27	N78-19302 *	#	US-PATENT-CLASS-117-35R	c 32	N79-19186 *	#	US-PATENT-CLASS-123-37	c 37	N77-31497 *	#
US-PATENT-CLASS-106-73 5	c 27	N78-19302 *	#	US-PATENT-CLASS-117-37	c 15	N72-25452 *	#	US-PATENT-CLASS-123-3	c 44	N76-18642 *	#
US-PATENT-CLASS-106-74	c 18	N69-39979 *	#	US-PATENT-CLASS-117-38	c 24	N75-33181 *	#	US-PATENT-CLASS-123-3	c 44	N76-29700 *	#
US-PATENT-CLASS-106-84	c 24	N79-31347 *	#	US-PATENT-CLASS-117-43	c 31	N79-21227 *	#	US-PATENT-CLASS-123-3	c 44	N77-10636 *	#
US-PATENT-CLASS-106-84	c 18	N71-24183 *	#	US-PATENT-CLASS-117-45	c 74	N74-20008 *	#	US-PATENT-CLASS-123-3	c 37	N77-31497 *	#
US-PATENT-CLASS-106-84	c 18	N71-24184 *	#	US-PATENT-CLASS-117-46FS	c 24	N75-33181 *	#	US-PATENT-CLASS-123-3	c 44	N78-33526 *	#
US-PATENT-CLASS-106-84	c 18	N72-22566 *	#	US-PATENT-CLASS-117-46	c 15	N71-16077 *	#	US-PATENT-CLASS-123-41 33	c 28	N80-10374 *	#
US-PATENT-CLASS-106-84	c 18	N72-23581 *	#	US-PATENT-CLASS-117-47R	c 15	N72-25452 *	#	US-PATENT-CLASS-123-41 33	c 07	N77-23106 *	#
US-PATENT-CLASS-106-84	c 24	N79-14156 *	#	US-PATENT-CLASS-117-50	c 15	N71-15610 *	#	US-PATENT-CLASS-123-59E	c 37	N77-31497 *	#
US-PATENT-CLASS-106-84	c 24	N79-31347 *	#	US-PATENT-CLASS-117-62	c 15	N72-25447 *	#	US-PATENT-CLASS-123-78E	c 37	N83-36483 *	#
US-PATENT-CLASS-106-88	c 18	N71-16124 *	#	US-PATENT-CLASS-117-65 2	c 15	N72-25452 *	#	US-PATENT-CLASS-123-89A	c 37	N76-18457 *	#
US-PATENT-CLASS-108-136	c 09	N75-12968 *	#	US-PATENT-CLASS-117-66	c 18	N71-10772 *	#	US-PATENT-CLASS-124-11R	c 75	N76-17951 *	#
US-PATENT-CLASS-109-49 5	c 31	N81-19343 *	#	US-PATENT-CLASS-117-69	c 15	N73-32360 *	#	US-PATENT-CLASS-124-6	c 09	N77-19076 *	#
US-PATENT-CLASS-110-186	c 31	N81-19343 *	#	US-PATENT-CLASS-117-69	c 18	N70-36400 *	#	US-PATENT-CLASS-125-13R	c 37	N85-21650 *	#
US-PATENT-CLASS-110-218	c 25	N84-16276 *	#	US-PATENT-CLASS-117-69	c 15	N71-16075 *	#	US-PATENT-CLASS-125-15	c 37	N85-21650 *	#
US-PATENT-CLASS-110-229	c 31	N81-15154 *	#	US-PATENT-CLASS-117-69	c 14	N71-20461 *	#	US-PATENT-CLASS-125-20	c 46	N74-23069 *	#
US-PATENT-CLASS-110-232	c 31	N81-15154 *	#	US-PATENT-CLASS-117-72	c 27	N81-15104 *	#	US-PATENT-CLASS-125-21	c 31	N83-27058 *	#
US-PATENT-CLASS-110-234	c 31	N81-15154 *	#	US-PATENT-CLASS-117-72	c 35	N75-25122 *	#	US-PATENT-CLASS-125-21	c 37	N80-29703 *	#
US-PATENT-CLASS-110-245	c 25	N82-11144 *	#	US-PATENT-CLASS-117-8 5	c 24	N75-33181 *	#	US-PATENT-CLASS-125-23R	c 76	N80-18951 *	#
US-PATENT-CLASS-110-255	c 25	N82-11144 *	#	US-PATENT-CLASS-117-93 1GD	c 25	N75-12087 *	#	US-PATENT-CLASS-125-23R	c 37	N82-32730 *	#
US-PATENT-CLASS-110-262	c 25	N84-16276 *	#	US-PATENT-CLASS-117-93 3	c 15	N72-25452 *	#	US-PATENT-CLASS-126-DIG 1	c 44	N85-30474 *	#
US-PATENT-CLASS-110-263	c 25	N84-16276 *	#	US-PATENT-CLASS-117-95	c 37	N75-15992 *	#	US-PATENT-CLASS-126-263	c 44	N77-32581 *	#
US-PATENT-CLASS-110-265	c 25	N84-16276 *	#	US-PATENT-CLASS-117-95	c 24	N74-19769 *	#	US-PATENT-CLASS-126-263	c 44	N78-17460 *	#
US-PATENT-CLASS-110-266	c 25	N82-11144 *	#	US-PATENT-CLASS-117-95	c 36	N75-15029 *	#	US-PATENT-CLASS-126-263	c 44	N80-28088 *	#
US-PATENT-CLASS-110-343	c 31	N81-15154 *	#	US-PATENT-CLASS-118-11	c 36	N75-15029 *	#	US-PATENT-CLASS-126-263	c 35	N85-29214 *	#
US-PATENT-CLASS-110-347	c 31	N81-15154 *	#	US-PATENT-CLASS-118-11	c 15	N71-17647 *	#	US-PATENT-CLASS-126-270	c 09	N70-40234 *	#
US-PATENT-CLASS-112-402	c 18	N71-26285 *	#	US-PATENT-CLASS-118-300	c 71	N84-16940 *	#	US-PATENT-CLASS-126-270	c 03	N70-41580 *	#
US-PATENT-CLASS-113-116	c 15	N71-15597 *	#	US-PATENT-CLASS-118-308	c 17	N71-24911 *	#	US-PATENT-CLASS-126-270	c 34	N74-23039 *	#
US-PATENT-CLASS-114-122	c 02	N73-26006 *	#	US-PATENT-CLASS-118-313	c 51	N77-27677 *	#	US-PATENT-CLASS-126-270	c 44	N76-14595 *	#
US-PATENT-CLASS-114-16 6	c 37	N76-22540 *	#	US-PATENT-CLASS-118-320	c 37	N82-24492 *	#	US-PATENT-CLASS-126-270	c 44	N76-23675 *	#
US-PATENT-CLASS-114-66 5	c 12	N70-33305 *	#	US-PATENT-CLASS-118-423	c 37	N82-12441 *	#	US-PATENT-CLASS-126-270	c 44	N76-24696 *	#
US-PATENT-CLASS-115-103 5	c 51	N75-13502 *	#	US-PATENT-CLASS-118-43	c 25	N79-25192 *	#	US-PATENT-CLASS-126-270	c 35	N77-20401 *	#
US-PATENT-CLASS-116-114 5	c 35	N75-25122 *	#	US-PATENT-CLASS-118-48	c 25	N75-26043 *	#	US-PATENT-CLASS-126-270	c 44	N77-32582 *	#
US-PATENT-CLASS-116-114AH	c 14	N72-25411 *	#	US-PATENT-CLASS-118-49 1	c 15	N72-32487 *	#	US-PATENT-CLASS-126-270	c 44	N78-15560 *	#
US-PATENT-CLASS-116-114AH	c 35	N75-33367 *	#	US-PATENT-CLASS-118-49 1	c 31	N75-12161 *	#	US-PATENT-CLASS-126-270	c 44	N78-19599 *	#
US-PATENT-CLASS-116-117	c 14	N70-42074 *	#	US-PATENT-CLASS-118-49 1	c 25	N75-26043 *	#	US-PATENT-CLASS-126-270	c 44	N78-31526 *	#
US-PATENT-CLASS-117-104	c 18	N71-26100 *	#	US-PATENT-CLASS-118-49 5	c 09	N71-26701 *	#	US-PATENT-CLASS-126-270	c 44	N79-11471 *	#
US-PATENT-CLASS-117-105 2	c 37	N74-11301 *	#	US-PATENT-CLASS-118-50 1	c 25	N79-28253 *	#	US-PATENT-CLASS-126-270	c 44	N79-14526 *	#
US-PATENT-CLASS-117-105 2	c 24	N75-33181 *	#	US-PATENT-CLASS-118-50 1	c 71	N84-16940 *	#	US-PATENT-CLASS-126-270	c 44	N79-23481 *	#
US-PATENT-CLASS-117-105 5	c 15	N73-32360 *	#	US-PATENT-CLASS-118-50 1	c 36	N84-22944 *	#	US-PATENT-CLASS-126-270	c 44	N79-24432 *	#
US-PATENT-CLASS-117-105	c 15	N73-32360 *	#	US-PATENT-CLASS-118-500	c 37	N78-17383 *	#	US-PATENT-CLASS-126-271	c 44	N75-32581 *	#
US-PATENT-CLASS-117-106A	c 70	N74-13436 *	#	US-PATENT-CLASS-118-500	c 37	N82-12441 *	#	US-PATENT-CLASS-126-271	c 44	N76-14602 *	#
US-PATENT-CLASS-117-106A	c 37	N75-15992 *	#	US-PATENT-CLASS-118-500	c 37	N82-24492 *	#	US-PATENT-CLASS-126-271	c 44	N76-22657 *	#
US-PATENT-CLASS-117-106A	c 25	N75-26043 *	#	US-PATENT-CLASS-118-503	c 71	N84-16940 *	#	US-PATENT-CLASS-126-271	c 44	N76-24696 *	#
US-PATENT-CLASS-117-106	c 33	N71-14032 *	#	US-PATENT-CLASS-118-505	c 37	N82-24492 *	#	US-PATENT-CLASS-126-271	c 35	N77-20401 *	#
US-PATENT-CLASS-117-107 2	c 25	N75-26043 *	#	US-PATENT-CLASS-118-505	c 37	N82-24492 *	#	US-PATENT-CLASS-126-271	c 44	N77-32582 *	#
US-PATENT-CLASS-117-107	c 15	N72-25447 *	#	US-PATENT-CLASS-118-50	c 37	N78-17383 *	#	US-PATENT-CLASS-126-271	c 44	N78-10554 *	#
US-PATENT-CLASS-117-107	c 76	N79-16678 *	#	US-PATENT-CLASS-118-50	c 37	N81-33482 *	#	US-PATENT-CLASS-126-271	c 44	N78-17460 *	#
US-PATENT-CLASS-117-119	c 18	N71-16105 *	#	US-PATENT-CLASS-118-50	c 71	N84-16940 *	#	US-PATENT-CLASS-126-271	c 44	N78-31526 *	#
US-PATENT-CLASS-117-119	c 76	N79-16678 *	#	US-PATENT-CLASS-118-52	c 37	N81-33482 *	#	US-PATENT-CLASS-126-271	c 44	N79-11471 *	#
US-PATENT-CLASS-117-124C	c 15	N72-25452 *	#	US-PATENT-CLASS-118-57	c 71	N84-16940 *	#	US-PATENT-CLASS-126-271	c 44	N79-14526 *	#
US-PATENT-CLASS-117-124F	c 23	N75-14834 *	#	US-PATENT-CLASS-118-624	c 36	N84-22944 *	#	US-PATENT-CLASS-126-271	c 44	N79-14526 *	#
US-PATENT-CLASS-117-126GM	c 37	N75-26371 *	#	US-PATENT-CLASS-118-624	c 71	N84-16940 *	#	US-PATENT-CLASS-126-271	c 44	N79-18443 *	#
US-PATENT-CLASS-117-126GR	c 27	N74-23125 *	#	US-PATENT-CLASS-118-641	c 36	N84-22944 *	#	US-PATENT-CLASS-126-271	c 44	N79-23481 *	#
US-PATENT-CLASS-117-126R	c 37	N75-26371 *	#	US-PATENT-CLASS-118-6	c 51	N77-27677 *	#	US-PATENT-CLASS-126-271	c 44	N79-24432 *	#
US-PATENT-CLASS-117-129	c 37	N74-21063 *	#	US-PATENT-CLASS-118-7	c 51	N77-27677 *	#	US-PATENT-CLASS-126-271	c 44	N78-15560 *	#
US-PATENT-CLASS-117-129	c 27	N75-27160 *	#	US-PATENT-CLASS-118-9	c 51	N77-27677 *	#	US-PATENT-CLASS-126-400	c 44	N79-24432 *	#
US-PATENT-CLASS-117-130R	c 15	N73-32360 *	#	US-PATENT-CLASS-119-15	c 11	N71-22875 *	#	US-PATENT-CLASS-126-400	c 44	N85-30474 *	#
US-PATENT-CLASS-117-132B	c 27	N74-23125 *	#	US-PATENT-CLASS-119-17	c 51	N81-32829 *	#	US-PATENT-CLASS-126-415	c 44	N84-34792 *	#
US-PATENT-CLASS-117-132	c 06	N72-25150 *	#	US-PATENT-CLASS-119-18	c 51	N81-32829 *	#	US-PATENT-CLASS-126-415	c 44	N80-16452 *	#
US-PATENT-CLASS-117-135 5	c 23	N75-14834 *	#	US-PATENT-CLASS-119-29	c 51	N78-27733 *	#	US-PATENT-CLASS-126-417	c 34	N84-22903 *	#
US-PATENT-CLASS-117-138 8R	c 15	N73-32360 *	#	US-PATENT-CLASS-119-51 11	c 35	N78-19466 *	#	US-PATENT-CLASS-126-418	c 44	N84-28204 *	#
US-PATENT-CLASS-117-151	c 15	N73-32360 *	#	US-PATENT-CLASS-119-51 13	c 51	N74-15778 *	#	US-PATENT-CLASS-126-418	c 44	N80-20810 *	#
US-PATENT-CLASS-117-152	c 15	N72-25452 *	#	US-PATENT-CLASS-119-51 5	c 51	N74-15778 *	#	US-PATENT-CLASS-126-419	c 44	N81-17518 *	#
US-PATENT-CLASS-117-16R	c 15	N72-25452 *	#	US-PATENT-CLASS-119-51R	c 51	N74-15778 *	#	US-PATENT-CLASS-126-419	c 44	N84-28203 *	#
US-PATENT-CLASS-117-160R	c 15	N73-32360 *	#	US-PATENT-CLASS-119-52AF	c 51	N74-15778 *	#	US-PATENT-CLASS-126-438	c 44	N82-16686 *	#
US-PATENT-CLASS-117-161P	c 06	N73-27980 *	#	US-PATENT-CLASS-119-54	c 51	N74-15778 *	#	US-PATENT-CLASS-126-438	c 44	N82-16686 *	#
US-PATENT-CLASS-117-161UA	c 25	N75-12087 *	#	US-PATENT-CLASS-119-72 5	c 35	N78-19466 *	#	US-PATENT-CLASS-126-438	c 44	N80-20810 *	#
US-PATENT-CLASS-117-161UN	c 06	N73-27980 *	#	US-PATENT-CLASS-119-96	c 05	N71-28619 *	#	US-PATENT-CLASS-126-438	c 44	N80-20810 *	#
US-PATENT-CLASS-117-161UN	c 27	N74-23125 *	#	US-PATENT-CLASS-121-38	c 15	N70-35409 *	#	US-PATENT-CLASS-126-438	c 44	N82-16686 *	#
US-PATENT-CLASS-117-161UN	c 25	N75-12087 *	#	US-PATENT-CLASS-121-38	c 02	N71-29128 *	#	US-PATENT-CLASS-126-438	c 44	N82-16686 *	#
US-PATENT-CLASS-117-161UZ	c 25	N75-12087 *	#	US-PATENT-CLASS-122-32	c 33	N72-20915 *	#	US-PATENT-CLASS-126-438	c 44	N80-20810 *	#
US-PATENT-CLASS-117-161	c 06	N72-25150 *	#	US-PATENT-CLASS-122-366	c 34	N85-29180 *	#	US-PATENT-CLASS-126-438	c 44	N80-20810 *	#
US-PATENT-CLASS-117-2R	c 32	N74-27612 *	#	US-PATENT-CLASS-122-4D	c 25	N82-11144 *	#	US-PATENT-CLASS-126-438	c 44	N80-20810 *	#
US-PATENT-CLASS-117-200	c 09	N72-25259 *	#	US-PATENT-CLASS-123-DIG 12	c 37	N76-18457 *	#	US-PATENT-CLASS-126-438	c 44	N80-20810 *	#
US-PATENT-CLASS-117-201	c 15	N69-21460 *	#	US-PATENT-CLASS-123-DIG 12	c 44	N78-33526 *	#	US-PATENT-CLASS-126-442	c 44	N80-14473 *	#
US-PATENT-CLASS-117-201	c 18	N71-16046 *	#	US-PATENT-CLASS-123-DIG 12	c 28	N80-10374 *	#	US-PATENT-CLASS-126-442	c 44	N82-16475 *	#
US-PATENT-CLASS-117-201	c 03	N72-24037 *	#	US-PATENT-CLASS-123-DIG 6	c 37	N77-31497 *	#				

US-PATENT-CLASS-128-DIG.20	c 37	N81-17433 * #	US-PATENT-CLASS-128-2V	c 35	N75-12271 * #	US-PATENT-CLASS-128-804	c 52	N82-33996 * #
US-PATENT-CLASS-128-DIG 25	c 52	N81-25660 * #	US-PATENT-CLASS-128-2V	c 54	N75-27760 * #	US-PATENT-CLASS-128-89R	c 52	N81-25662 * #
US-PATENT-CLASS-128-DIG 25	c 52	N84-11744 * #	US-PATENT-CLASS-128-2V	c 52	N79-14751 * #	US-PATENT-CLASS-128-903	c 52	N80-18691 * #
US-PATENT-CLASS-128-DIG 26	c 51	N81-14605 * #	US-PATENT-CLASS-128-2V	c 52	N79-18580 * #	US-PATENT-CLASS-128-92C	c 27	N78-17215 * #
US-PATENT-CLASS-128-DIG 4	c 05	N72-27103 * #	US-PATENT-CLASS-128-203	c 54	N76-24900 * #	US-PATENT-CLASS-128-92G	c 27	N78-17215 * #
US-PATENT-CLASS-128-DIG.4	c 05	N75-24716 * #	US-PATENT-CLASS-128-204 18	c 51	N81-14605 * #	US-PATENT-CLASS-129-16 7	c 08	N71-15908 * #
US-PATENT-CLASS-128-DIG 4	c 35	N76-24525 * #	US-PATENT-CLASS-128-206F	c 14	N73-24473 * #	US-PATENT-CLASS-13-20	c 11	N72-23215 * #
US-PATENT-CLASS-128-DIG 4	c 52	N77-28717 * #	US-PATENT-CLASS-128-207 14	c 51	N81-14605 * #	US-PATENT-CLASS-13-20	c 12	N79-26075 * #
US-PATENT-CLASS-128-DIG 6	c 51	N81-14605 * #	US-PATENT-CLASS-128-207 28	c 51	N81-14605 * #	US-PATENT-CLASS-13-22	c 12	N79-26075 * #
US-PATENT-CLASS-128-DIG 9	c 52	N80-16725 * #	US-PATENT-CLASS-128-212	c 54	N80-10799 * #	US-PATENT-CLASS-13-24	c 12	N79-26075 * #
US-PATENT-CLASS-128-DIG 9	c 51	N81-14605 * #	US-PATENT-CLASS-128-214D	c 52	N79-14749 * #	US-PATENT-CLASS-13-26	c 33	N71-15625 * #
US-PATENT-CLASS-128-1 2	c 52	N82-22875 * #	US-PATENT-CLASS-128-214E	c 52	N74-22771 * #	US-PATENT-CLASS-13-26	c 14	N71-23267 * #
US-PATENT-CLASS-128-1A	c 05	N73-32012 * #	US-PATENT-CLASS-128-214F	c 37	N77-28487 * #	US-PATENT-CLASS-13-31	c 11	N72-23215 * #
US-PATENT-CLASS-128-1A	c 54	N84-16803 * #	US-PATENT-CLASS-128-230	c 52	N75-33640 * #	US-PATENT-CLASS-13-31	c 31	N74-27900 * #
US-PATENT-CLASS-128-1R	c 52	N77-25772 * #	US-PATENT-CLASS-128-236	c 51	N81-14605 * #	US-PATENT-CLASS-13-35	c 33	N71-24145 * #
US-PATENT-CLASS-128-1R	c 52	N77-28716 * #	US-PATENT-CLASS-128-24-A	c 52	N84-34913 * #	US-PATENT-CLASS-134-137	c 37	N82-12441 * #
US-PATENT-CLASS-128-1R	c 52	N81-25660 * #	US-PATENT-CLASS-128-24A	c 05	N73-27062 * #	US-PATENT-CLASS-134-17	c 43	N81-26509 * #
US-PATENT-CLASS-128-1R	c 52	N84-11744 * #	US-PATENT-CLASS-128-24A	c 54	N75-27760 * #	US-PATENT-CLASS-134-21	c 37	N76-18456 * #
US-PATENT-CLASS-128-142 2	c 54	N76-24900 * #	US-PATENT-CLASS-128-24	c 05	N71-24738 * #	US-PATENT-CLASS-134-37	c 37	N76-18456 * #
US-PATENT-CLASS-128-142 5	c 05	N71-11190 * #	US-PATENT-CLASS-128-25R	c 05	N74-18127 * #	US-PATENT-CLASS-135-1	c 32	N70-36536 * #
US-PATENT-CLASS-128-142 5	c 05	N71-11203 * #	US-PATENT-CLASS-128-25	c 05	N71-24738 * #	US-PATENT-CLASS-136-100R	c 03	N72-20034 * #
US-PATENT-CLASS-128-142 5	c 05	N71-17599 * #	US-PATENT-CLASS-128-26	c 52	N76-19785 * #	US-PATENT-CLASS-136-114	c 44	N76-14601 * #
US-PATENT-CLASS-128-142 5	c 05	N72-20096 * #	US-PATENT-CLASS-128-272	c 15	N71-24835 * #	US-PATENT-CLASS-136-112	c 03	N71-11053 * #
US-PATENT-CLASS-128-142 5	c 05	N73-25125 * #	US-PATENT-CLASS-128-272	c 52	N79-14749 * #	US-PATENT-CLASS-136-132	c 03	N71-22974 * #
US-PATENT-CLASS-128-142 7	c 54	N78-32721 * #	US-PATENT-CLASS-128-275	c 15	N71-24835 * #	US-PATENT-CLASS-136-132	c 03	N71-22974 * #
US-PATENT-CLASS-128-142R	c 54	N80-10799 * #	US-PATENT-CLASS-128-275	c 52	N81-29763 * #	US-PATENT-CLASS-136-133	c 15	N69-24320 * #
US-PATENT-CLASS-128-145 8	c 54	N75-27761 * #	US-PATENT-CLASS-128-276	c 52	N80-14684 * #	US-PATENT-CLASS-136-133	c 03	N71-23006 * #
US-PATENT-CLASS-128-15R	c 54	N84-16803 * #	US-PATENT-CLASS-128-276	c 52	N80-18690 * #	US-PATENT-CLASS-136-133	c 03	N72-15986 * #
US-PATENT-CLASS-128-191R	c 25	N74-12813 * #	US-PATENT-CLASS-128-280	c 24	N82-29362 * #	US-PATENT-CLASS-136-135	c 03	N72-15986 * #
US-PATENT-CLASS-128-191R	c 54	N80-10799 * #	US-PATENT-CLASS-128-283	c 05	N69-23192 * #	US-PATENT-CLASS-136-143	c 44	N76-29699 * #
US-PATENT-CLASS-128-1	c 05	N70-41819 * #	US-PATENT-CLASS-128-283	c 24	N82-29362 * #	US-PATENT-CLASS-136-146	c 03	N69-21337 * #
US-PATENT-CLASS-128-1	c 05	N71-20268 * #	US-PATENT-CLASS-128-284	c 24	N82-29362 * #	US-PATENT-CLASS-136-146	c 24	N76-14204 * #
US-PATENT-CLASS-128-2 05A	c 52	N74-26626 * #	US-PATENT-CLASS-128-285	c 24	N82-29362 * #	US-PATENT-CLASS-136-148	c 24	N76-14204 * #
US-PATENT-CLASS-128-2 05A	c 54	N75-13531 * #	US-PATENT-CLASS-128-288	c 24	N82-29362 * #	US-PATENT-CLASS-136-148	c 44	N82-24645 * #
US-PATENT-CLASS-128-2 05E	c 52	N74-27566 * #	US-PATENT-CLASS-128-291	c 24	N82-29362 * #	US-PATENT-CLASS-136-162	c 44	N76-14601 * #
US-PATENT-CLASS-128-2 05E	c 52	N76-29896 * #	US-PATENT-CLASS-128-295	c 05	N72-22093 * #	US-PATENT-CLASS-136-166	c 03	N71-23336 * #
US-PATENT-CLASS-128-2 05F	c 14	N73-32326 * #	US-PATENT-CLASS-128-295	c 52	N81-24711 * #	US-PATENT-CLASS-136-166	c 03	N72-20032 * #
US-PATENT-CLASS-128-2 05P	c 54	N75-13531 * #	US-PATENT-CLASS-128-295	c 52	N81-28740 * #	US-PATENT-CLASS-136-170	c 03	N71-11051 * #
US-PATENT-CLASS-128-2 05R	c 05	N73-27941 * #	US-PATENT-CLASS-128-296	c 24	N82-29362 * #	US-PATENT-CLASS-136-175	c 03	N72-20034 * #
US-PATENT-CLASS-128-2 05R	c 52	N76-29895 * #	US-PATENT-CLASS-128-29	c 05	N70-39922 * #	US-PATENT-CLASS-136-179	c 03	N70-41864 * #
US-PATENT-CLASS-128-2 05R	c 52	N79-10724 * #	US-PATENT-CLASS-128-2	c 05	N73-27062 * #	US-PATENT-CLASS-136-182	c 03	N71-10728 * #
US-PATENT-CLASS-128-2 05S	c 52	N74-26626 * #	US-PATENT-CLASS-128-300B	c 52	N83-25346 * #	US-PATENT-CLASS-136-182	c 03	N71-20407 * #
US-PATENT-CLASS-128-2 05T	c 52	N74-12778 * #	US-PATENT-CLASS-128-300R	c 52	N77-28716 * #	US-PATENT-CLASS-136-182	c 03	N71-20491 * #
US-PATENT-CLASS-128-2 05V	c 35	N76-24525 * #	US-PATENT-CLASS-128-305	c 05	N73-27062 * #	US-PATENT-CLASS-136-182	c 44	N74-27519 * #
US-PATENT-CLASS-128-2 05Z	c 54	N75-27760 * #	US-PATENT-CLASS-128-305	c 52	N75-33640 * #	US-PATENT-CLASS-136-182	c 44	N76-14601 * #
US-PATENT-CLASS-128-2 05Z	c 52	N79-18580 * #	US-PATENT-CLASS-128-305	c 52	N78-14773 * #	US-PATENT-CLASS-136-202	c 09	N72-12136 * #
US-PATENT-CLASS-128-2 05Z	c 05	N70-41329 * #	US-PATENT-CLASS-128-325	c 52	N84-28388 * #	US-PATENT-CLASS-136-202	c 03	N72-26031 * #
US-PATENT-CLASS-128-2 05	c 04	N71-23185 * #	US-PATENT-CLASS-128-327	c 52	N82-11770 * #	US-PATENT-CLASS-136-202	c 44	N76-16612 * #
US-PATENT-CLASS-128-2 06	c 05	N71-27234 * #	US-PATENT-CLASS-128-328	c 52	N84-34913 * #	US-PATENT-CLASS-136-202	c 35	N77-32454 * #
US-PATENT-CLASS-128-2 06B	c 05	N75-24716 * #	US-PATENT-CLASS-128-329R	c 52	N79-27836 * #	US-PATENT-CLASS-136-202	c 35	N79-14346 * #
US-PATENT-CLASS-128-2 06E	c 52	N76-29896 * #	US-PATENT-CLASS-128-346	c 52	N81-25660 * #	US-PATENT-CLASS-136-206	c 03	N72-11062 * #
US-PATENT-CLASS-128-2 06F	c 52	N74-12778 * #	US-PATENT-CLASS-128-346	c 52	N84-11744 * #	US-PATENT-CLASS-136-206	c 09	N72-12136 * #
US-PATENT-CLASS-128-2 06R	c 05	N73-27941 * #	US-PATENT-CLASS-128-346	c 52	N84-28388 * #	US-PATENT-CLASS-136-206	c 44	N76-14595 * #
US-PATENT-CLASS-128-2 06R	c 52	N76-14757 * #	US-PATENT-CLASS-128-348	c 52	N80-16725 * #	US-PATENT-CLASS-136-206	c 44	N76-31666 * #
US-PATENT-CLASS-128-2 06	c 05	N69-21925 * #	US-PATENT-CLASS-128-379	c 52	N77-14736 * #	US-PATENT-CLASS-136-210	c 44	N74-19693 * #
US-PATENT-CLASS-128-2 06	c 05	N71-22896 * #	US-PATENT-CLASS-128-38	c 54	N84-16803 * #	US-PATENT-CLASS-136-210	c 44	N76-16612 * #
US-PATENT-CLASS-128-2 06	c 09	N71-24618 * #	US-PATENT-CLASS-128-400	c 52	N77-14736 * #	US-PATENT-CLASS-136-211	c 35	N76-15434 * #
US-PATENT-CLASS-128-2 06	c 05	N71-26293 * #	US-PATENT-CLASS-128-402	c 05	N72-20096 * #	US-PATENT-CLASS-136-212	c 35	N76-15434 * #
US-PATENT-CLASS-128-2 07	c 05	N73-32015 * #	US-PATENT-CLASS-128-402	c 52	N77-14736 * #	US-PATENT-CLASS-136-213	c 14	N69-27459 * #
US-PATENT-CLASS-128-2 07	c 52	N74-20728 * #	US-PATENT-CLASS-128-410	c 52	N77-28717 * #	US-PATENT-CLASS-136-213	c 34	N74-27861 * #
US-PATENT-CLASS-128-2 08	c 05	N69-21473 * #	US-PATENT-CLASS-128-417	c 05	N72-25120 * #	US-PATENT-CLASS-136-224	c 14	N73-12447 * #
US-PATENT-CLASS-128-2 08	c 05	N73-32015 * #	US-PATENT-CLASS-128-417	c 05	N72-27103 * #	US-PATENT-CLASS-136-225	c 14	N73-24472 * #
US-PATENT-CLASS-128-2 08	c 52	N74-20728 * #	US-PATENT-CLASS-128-418	c 52	N76-29896 * #	US-PATENT-CLASS-136-225	c 35	N76-15434 * #
US-PATENT-CLASS-128-2 1A	c 09	N72-17153 * #	US-PATENT-CLASS-128-418	c 52	N77-14738 * #	US-PATENT-CLASS-136-225	c 44	N85-21768 * #
US-PATENT-CLASS-128-2 1A	c 09	N72-22202 * #	US-PATENT-CLASS-128-419P	c 52	N76-29896 * #	US-PATENT-CLASS-136-227	c 09	N72-12136 * #
US-PATENT-CLASS-128-2 1A	c 52	N74-26625 * #	US-PATENT-CLASS-128-421	c 52	N82-29863 * #	US-PATENT-CLASS-136-228	c 33	N71-15568 * #
US-PATENT-CLASS-128-2 1A	c 52	N76-14757 * #	US-PATENT-CLASS-128-422	c 52	N82-33996 * #	US-PATENT-CLASS-136-230	c 14	N71-23039 * #
US-PATENT-CLASS-128-2 1A	c 52	N76-29894 * #	US-PATENT-CLASS-128-62A	c 52	N82-29862 * #	US-PATENT-CLASS-136-230	c 34	N74-27861 * #
US-PATENT-CLASS-128-2 1A	c 52	N79-18580 * #	US-PATENT-CLASS-128-639	c 52	N79-27836 * #	US-PATENT-CLASS-136-232	c 35	N77-14409 * #
US-PATENT-CLASS-128-2 1E	c 05	N72-27103 * #	US-PATENT-CLASS-128-642	c 52	N80-27072 * #	US-PATENT-CLASS-136-233	c 14	N72-27410 * #
US-PATENT-CLASS-128-2 1E	c 35	N76-24525 * #	US-PATENT-CLASS-128-642	c 52	N81-14612 * #	US-PATENT-CLASS-136-233	c 14	N73-13417 * #
US-PATENT-CLASS-128-2 1E	c 52	N77-28717 * #	US-PATENT-CLASS-128-642	c 52	N81-20703 * #	US-PATENT-CLASS-136-233	c 34	N74-27861 * #
US-PATENT-CLASS-128-2 1R	c 05	N73-26072 * #	US-PATENT-CLASS-128-660	c 52	N79-26771 * #	US-PATENT-CLASS-136-233	c 35	N77-14409 * #
US-PATENT-CLASS-128-2 1Z	c 35	N76-24525 * #	US-PATENT-CLASS-128-660	c 52	N83-27578 * #	US-PATENT-CLASS-136-236R	c 35	N77-32454 * #
US-PATENT-CLASS-128-2 1	c 05	N71-11193 * #	US-PATENT-CLASS-128-660	c 52	N85-30618 * #	US-PATENT-CLASS-136-236	c 35	N79-14346 * #
US-PATENT-CLASS-128-2 1	c 05	N71-12346 * #	US-PATENT-CLASS-128-663	c 52	N83-27578 * #	US-PATENT-CLASS-136-240	c 35	N77-32454 * #
US-PATENT-CLASS-128-2 1	c 05	N71-24729 * #	US-PATENT-CLASS-128-665	c 52	N81-27783 * #	US-PATENT-CLASS-136-246	c 44	N85-21768 * #
US-PATENT-CLASS-128-2 1	c 09	N71-26002 * #	US-PATENT-CLASS-128-666	c 52	N80-23969 * #	US-PATENT-CLASS-136-249	c 44	N81-12542 * #
US-PATENT-CLASS-128-2 1	c 05	N72-25120 * #	US-PATENT-CLASS-128-686	c 52	N82-11770 * #	US-PATENT-CLASS-136-249	c 44	N82-29709 * #
US-PATENT-CLASS-128-2F	c 54	N76-14804 * #	US-PATENT-CLASS-128-690	c 52	N80-23969 * #	US-PATENT-CLASS-136-249	c 44	N82-31764 * #
US-PATENT-CLASS-128-2H	c 52	N76-14757 * #	US-PATENT-CLASS-128-691	c 52	N82-11770 * #	US-PATENT-CLASS-136-249	c 44	N83-32177 * #
US-PATENT-CLASS-128-2H	c 52	N76-29894 * #	US-PATENT-CLASS-128-6	c 52	N80-16725 * #	US-PATENT-CLASS-136-254	c 09	N73-32108 * #
US-PATENT-CLASS-128-2H	c 52	N77-10780 * #	US-PATENT-CLASS-128-736	c 52	N85-30618 * #	US-PATENT-CLASS-136-253	c 44	N85-34441 * #
US-PATENT-CLASS-128-2H	c 52	N77-14736 * #	US-PATENT-CLASS-128-748	c 52	N80-18691 * #	US-PATENT-CLASS-136-255	c 44	N81-29525 * #
US-PATENT-CLASS-128-2N	c 05	N72-25122 * #	US-PATENT-CLASS-128-760	c 52	N80-18690 * #	US-PATENT-CLASS-136-255	c 44	N83-14692 * #
US-PATENT-CLASS-128-2N	c 05	N73-13114 * #	US-PATENT-CLASS-128-760	c 52	N81-29763 * #	US-PATENT-CLASS-136-255	c 33	N85-21492 * #

US-PATENT-CLASS-136-261	c 44	N85-30475 *	#	US-PATENT-CLASS-137-154	c 15	N73-27406 *	#	US-PATENT-CLASS-139-425R	c 28	N72-11708 *
US-PATENT-CLASS-136-262	c 44	N81-29525 *	#	US-PATENT-CLASS-137-177	c 20	N80-10278 *	#	US-PATENT-CLASS-140-105	c 15	N72-12408 *
US-PATENT-CLASS-136-28	c 03	N71-10608 *	#	US-PATENT-CLASS-137-197	c 15	N70-41646 *	#	US-PATENT-CLASS-140-123	c 15	N71-15918 *
US-PATENT-CLASS-136-290	c 44	N82-26777 *	#	US-PATENT-CLASS-137-197	c 35	N78-12390 *	#	US-PATENT-CLASS-140-124	c 15	N71-10809 *
US-PATENT-CLASS-136-291	c 44	N81-12542 *	#	US-PATENT-CLASS-137-1	c 12	N70-38997 *	#	US-PATENT-CLASS-141-197	c 35	N78-10428 *
US-PATENT-CLASS-136-30	c 44	N74-19693 *	#	US-PATENT-CLASS-137-1	c 15	N73-27406 *	#	US-PATENT-CLASS-141-23	c 15	N72-21465 *
US-PATENT-CLASS-136-30	c 44	N76-18643 *	#	US-PATENT-CLASS-137-207	c 34	N77-30399 *	#	US-PATENT-CLASS-141-258	c 14	N71-27005 *
US-PATENT-CLASS-136-30	c 44	N76-29699 *	#	US-PATENT-CLASS-137-209	c 34	N77-30399 *	#	US-PATENT-CLASS-141-4	c 35	N78-10428 *
US-PATENT-CLASS-136-36	c 44	N74-19692 *	#	US-PATENT-CLASS-137-209	c 20	N80-10278 *	#	US-PATENT-CLASS-141-5	c 33	N71-20834 *
US-PATENT-CLASS-136-6LF	c 44	N76-18643 *	#	US-PATENT-CLASS-137-340	c 15	N70-34817 *	#	US-PATENT-CLASS-141-91	c 12	N71-21089 *
US-PATENT-CLASS-136-6	c 03	N71-26084 *	#	US-PATENT-CLASS-137-340	c 15	N70-35087 *	#	US-PATENT-CLASS-148-DIG 26	c 76	N85-30922 *
US-PATENT-CLASS-136-6	c 03	N72-15986 *	#	US-PATENT-CLASS-137-341	c 12	N71-17661 *	#	US-PATENT-CLASS-148-1 5	c 26	N71-10607 *
US-PATENT-CLASS-136-6	c 44	N82-24641 *	#	US-PATENT-CLASS-137-375	c 37	N80-23654 *	#	US-PATENT-CLASS-148-1 5	c 26	N71-23654 *
US-PATENT-CLASS-136-6	c 44	N82-24642 *	#	US-PATENT-CLASS-137-397	c 15	N73-26472 *	#	US-PATENT-CLASS-148-1 5	c 76	N74-20329 *
US-PATENT-CLASS-136-6	c 44	N82-24643 *	#	US-PATENT-CLASS-137-469	c 05	N72-20097 *	#	US-PATENT-CLASS-148-1 5	c 44	N80-29835 *
US-PATENT-CLASS-136-6	c 44	N82-24644 *	#	US-PATENT-CLASS-137-484 2	c 34	N78-25351 *	#	US-PATENT-CLASS-148-1 5	c 33	N81-26360 *
US-PATENT-CLASS-136-79	c 03	N72-20032 *	#	US-PATENT-CLASS-137-487 5	c 14	N73-13418 *	#	US-PATENT-CLASS-148-1 5	c 44	N82-26777 *
US-PATENT-CLASS-136-81	c 03	N72-20032 *	#	US-PATENT-CLASS-137-491	c 15	N69-21924 *	#	US-PATENT-CLASS-148-1 5	c 44	N82-29709 *
US-PATENT-CLASS-136-83R	c 03	N72-20034 *	#	US-PATENT-CLASS-137-493	c 52	N81-25660 *	#	US-PATENT-CLASS-148-11 5R	c 15	N73-13465 *
US-PATENT-CLASS-136-83R	c 44	N76-18641 *	#	US-PATENT-CLASS-137-495	c 15	N70-38603 *	#	US-PATENT-CLASS-148-12 4	c 26	N79-22271 *
US-PATENT-CLASS-136-83	c 03	N71-28579 *	#	US-PATENT-CLASS-137-496	c 15	N71-22706 *	#	US-PATENT-CLASS-148-12 7A	Ø 26	N78-24333 *
US-PATENT-CLASS-136-86A	c 44	N76-27664 *	#	US-PATENT-CLASS-137-501	c 34	N78-25351 *	#	US-PATENT-CLASS-148-12 7N	c 26	N77-20201 *
US-PATENT-CLASS-136-86S	c 44	N76-18641 *	#	US-PATENT-CLASS-137-505 12	c 14	N71-18625 *	#	US-PATENT-CLASS-148-12F	c 26	N79-22271 *
US-PATENT-CLASS-136-86	c 03	N71-11052 *	#	US-PATENT-CLASS-137-505 16	c 34	N78-25351 *	#	US-PATENT-CLASS-148-121	c 76	N79-16678 *
US-PATENT-CLASS-136-86	c 03	N71-20904 *	#	US-PATENT-CLASS-137-505 25	c 37	N78-25426 *	#	US-PATENT-CLASS-148-125	c 26	N78-24333 *
US-PATENT-CLASS-136-86	c 15	N71-23022 *	#	US-PATENT-CLASS-137-505 38	c 37	N75-15050 *	#	US-PATENT-CLASS-148-126	c 17	N71-24142 *
US-PATENT-CLASS-136-86	c 03	N71-29044 *	#	US-PATENT-CLASS-137-505 42	c 37	N75-15050 *	#	US-PATENT-CLASS-148-126	c 18	N71-26153 *
US-PATENT-CLASS-136-89AC	c 44	N77-31601 *	#	US-PATENT-CLASS-137-515 3	c 37	N76-14463 *	#	US-PATENT-CLASS-148-126	c 18	N71-28729 *
US-PATENT-CLASS-136-89CA	c 44	N79-25482 *	#	US-PATENT-CLASS-137-516 27	c 15	N73-30459 *	#	US-PATENT-CLASS-148-126	c 26	N74-10521 *
US-PATENT-CLASS-136-89CC	c 44	N78-25527 *	#	US-PATENT-CLASS-137-535	c 15	N70-30459 *	#	US-PATENT-CLASS-148-127	c 26	N75-29236 *
US-PATENT-CLASS-136-89CC	c 44	N78-25529 *	#	US-PATENT-CLASS-137-535	c 05	N73-32014 *	#	US-PATENT-CLASS-148-131	c 26	N80-28492 *
US-PATENT-CLASS-136-89CC	c 44	N79-11467 *	#	US-PATENT-CLASS-137-538	c 05	N73-25125 *	#	US-PATENT-CLASS-148-13	c 14	N71-25892 *
US-PATENT-CLASS-136-89CC	c 44	N79-17314 *	#	US-PATENT-CLASS-137-539	c 15	N70-41811 *	#	US-PATENT-CLASS-148-162	c 26	N77-20201 *
US-PATENT-CLASS-136-89CC	c 44	N79-25482 *	#	US-PATENT-CLASS-137-549	c 37	N81-17433 *	#	US-PATENT-CLASS-148-173	c 76	N83-20789 *
US-PATENT-CLASS-136-89CC	c 44	N79-31752 *	#	US-PATENT-CLASS-137-550	c 37	N76-14463 *	#	US-PATENT-CLASS-148-174	c 26	N71-29156 *
US-PATENT-CLASS-136-89H	c 44	N78-25528 *	#	US-PATENT-CLASS-137-554	c 09	N71-23191 *	#	US-PATENT-CLASS-148-174	c 44	N76-28635 *
US-PATENT-CLASS-136-89H	c 44	N78-25529 *	#	US-PATENT-CLASS-137-559	c 11	N73-12865 *	#	US-PATENT-CLASS-148-174	c 44	N78-24609 *
US-PATENT-CLASS-136-89PC	c 44	N79-25482 *	#	US-PATENT-CLASS-137-574	c 20	N80-10278 *	#	US-PATENT-CLASS-148-174	c 76	N85-30922 *
US-PATENT-CLASS-136-89PC	c 44	N79-31753 *	#	US-PATENT-CLASS-137-576	c 20	N80-10278 *	#	US-PATENT-CLASS-148-175	c 25	N75-26043 *
US-PATENT-CLASS-136-89P	c 44	N77-31601 *	#	US-PATENT-CLASS-137-582	c 32	N71-16103 *	#	US-PATENT-CLASS-148-175	c 76	N76-25049 *
US-PATENT-CLASS-136-89P	c 44	N78-25528 *	#	US-PATENT-CLASS-137-582	c 32	N71-16106 *	#	US-PATENT-CLASS-148-175	c 44	N76-28635 *
US-PATENT-CLASS-136-89P	c 44	N78-25529 *	#	US-PATENT-CLASS-137-582	c 15	N71-19569 *	#	US-PATENT-CLASS-148-175	c 44	N82-28780 *
US-PATENT-CLASS-136-89P	c 44	N78-27515 *	#	US-PATENT-CLASS-137-582	c 15	N73-26472 *	#	US-PATENT-CLASS-148-175	c 76	N83-20789 *
US-PATENT-CLASS-136-89P	c 44	N79-17314 *	#	US-PATENT-CLASS-137-590	c 20	N80-10278 *	#	US-PATENT-CLASS-148-175	c 76	N85-30922 *
US-PATENT-CLASS-136-89P	c 44	N80-14474 *	#	US-PATENT-CLASS-137-594	c 12	N71-18615 *	#	US-PATENT-CLASS-148-187	c 26	N72-17820 *
US-PATENT-CLASS-136-89SG	c 44	N78-24609 *	#	US-PATENT-CLASS-137-604	c 15	N73-27406 *	#	US-PATENT-CLASS-148-187	c 14	N72-28438 *
US-PATENT-CLASS-136-89SG	c 44	N80-24741 *	#	US-PATENT-CLASS-137-608	c 15	N73-13462 *	#	US-PATENT-CLASS-148-187	c 33	N81-26360 *
US-PATENT-CLASS-136-89SJ	c 44	N78-13526 *	#	US-PATENT-CLASS-137-614 06	c 37	N79-11402 *	#	US-PATENT-CLASS-148-188	c 24	N71-10560 *
US-PATENT-CLASS-136-89SJ	c 44	N79-11467 *	#	US-PATENT-CLASS-137-614	c 15	N70-36492 *	#	US-PATENT-CLASS-148-188	c 09	N71-12513 *
US-PATENT-CLASS-136-89SJ	c 44	N79-14528 *	#	US-PATENT-CLASS-137-615	c 12	N71-16031 *	#	US-PATENT-CLASS-148-188	c 44	N79-11468 *
US-PATENT-CLASS-136-89SJ	c 44	N79-25482 *	#	US-PATENT-CLASS-137-624 11	c 35	N78-19466 *	#	US-PATENT-CLASS-148-20 3	c 26	N77-20201 *
US-PATENT-CLASS-136-89	c 03	N69-24267 *	#	US-PATENT-CLASS-137-624 14	c 03	N69-21469 *	#	US-PATENT-CLASS-148-2	c 26	N77-20201 *
US-PATENT-CLASS-136-89	c 03	N71-11049 *	#	US-PATENT-CLASS-137-625 38	c 37	N78-25426 *	#	US-PATENT-CLASS-148-2	c 26	N79-22271 *
US-PATENT-CLASS-136-89	c 03	N71-11050 *	#	US-PATENT-CLASS-137-625 3	c 37	N78-25426 *	#	US-PATENT-CLASS-148-32	c 26	N78-18183 *
US-PATENT-CLASS-136-89	c 03	N71-11056 *	#	US-PATENT-CLASS-137-625 4	c 37	N80-23654 *	#	US-PATENT-CLASS-148-32 5	c 17	N72-22535 *
US-PATENT-CLASS-136-89	c 03	N71-18698 *	#	US-PATENT-CLASS-137-625 5	c 15	N71-23051 *	#	US-PATENT-CLASS-148-32 5	c 26	N77-20201 *
US-PATENT-CLASS-136-89	c 03	N71-19545 *	#	US-PATENT-CLASS-137-625 69	c 15	N70-36908 *	#	US-PATENT-CLASS-148-32 5	c 26	N77-32280 *
US-PATENT-CLASS-136-89	c 03	N71-20492 *	#	US-PATENT-CLASS-137-628	c 37	N74-21065 *	#	US-PATENT-CLASS-148-32 5	c 26	N78-18183 *
US-PATENT-CLASS-136-89	c 03	N71-20895 *	#	US-PATENT-CLASS-137-637 05	c 37	N79-11402 *	#	US-PATENT-CLASS-148-32	c 26	N77-32279 *
US-PATENT-CLASS-136-89	c 26	N71-23043 *	#	US-PATENT-CLASS-137-81 5	c 12	N69-21466 *	#	US-PATENT-CLASS-148-32	c 26	N80-23419 *
US-PATENT-CLASS-136-89	c 03	N71-23187 *	#	US-PATENT-CLASS-137-81 5	c 15	N71-15609 *	#	US-PATENT-CLASS-148-33 2	c 76	N85-30922 *
US-PATENT-CLASS-136-89	c 03	N71-23449 *	#	US-PATENT-CLASS-137-81 5	c 12	N71-17578 *	#	US-PATENT-CLASS-148-428	c 26	N82-31505 *
US-PATENT-CLASS-136-89	c 03	N71-33409 *	#	US-PATENT-CLASS-137-81 5	c 12	N71-17579 *	#	US-PATENT-CLASS-148-6 11	c 15	N71-24875 *
US-PATENT-CLASS-136-89	c 03	N72-20031 *	#	US-PATENT-CLASS-137-81 5	c 10	N71-25899 *	#	US-PATENT-CLASS-148-6 16	c 18	N71-23047 *
US-PATENT-CLASS-136-89	c 03	N72-22042 *	#	US-PATENT-CLASS-137-81 5	c 12	N71-27332 *	#	US-PATENT-CLASS-148-6 20	c 17	N71-23282 *
US-PATENT-CLASS-136-89	c 31	N72-22874 *	#	US-PATENT-CLASS-137-81 5	c 12	N71-28741 *	#	US-PATENT-CLASS-148-6 3	c 17	N71-33408 *
US-PATENT-CLASS-136-89	c 03	N72-24037 *	#	US-PATENT-CLASS-137-81 5	c 28	N72-22772 *	#	US-PATENT-CLASS-148-6 3	c 44	N79-18444 *
US-PATENT-CLASS-136-89	c 09	N72-25259 *	#	US-PATENT-CLASS-137-81 5	c 15	N72-33477 *	#	US-PATENT-CLASS-148-6	c 18	N71-29040 *
US-PATENT-CLASS-136-89	c 03	N72-27053 *	#	US-PATENT-CLASS-137-81 5	c 15	N73-13462 *	#	US-PATENT-CLASS-148-6	c 76	N79-16678 *
US-PATENT-CLASS-136-89	c 09	N73-32109 *	#	US-PATENT-CLASS-137-81 5	c 28	N73-13773 *	#	US-PATENT-CLASS-149-105	c 28	N78-31255 *
US-PATENT-CLASS-136-89	c 44	N74-14784 *	#	US-PATENT-CLASS-137-819	c 33	N74-11050 *	#	US-PATENT-CLASS-149-108 4	c 28	N80-23471 *
US-PATENT-CLASS-136-89	c 44	N76-14600 *	#	US-PATENT-CLASS-137-81	c 05	N72-20097 *	#	US-PATENT-CLASS-149-108 4	c 28	N81-15119 *
US-PATENT-CLASS-136-89	c 44	N76-28635 *	#	US-PATENT-CLASS-137-81	c 14	N73-13418 *	#	US-PATENT-CLASS-149-109	c 27	N70-41897 *
US-PATENT-CLASS-136-89	c 44	N76-31666 *	#	US-PATENT-CLASS-137-833	c 33	N74-11050 *	#	US-PATENT-CLASS-149-111	c 28	N78-31255 *
US-PATENT-CLASS-136-89	c 44	N77-10635 *	#	US-PATENT-CLASS-137-838	c 71	N84-28568 *	#	US-PATENT-CLASS-149-15	c 44	N80-20808 *
US-PATENT-CLASS-136-89	c 44	N77-14580 *	#	US-PATENT-CLASS-137-840	c 33	N74-11050 *	#	US-PATENT-CLASS-149-17	c 28	N74-33209 *
US-PATENT-CLASS-136-89	c 44	N77-19571 *	#	US-PATENT-CLASS-137-886	c 37	N81-17433 *	#	US-PATENT-CLASS-149-19 2	c 28	N80-28536 *
US-PATENT-CLASS-136-89	c 44	N79-11468 *	#	US-PATENT-CLASS-137-887	c 37	N81-17433 *	#	US-PATENT-CLASS-149-19 4	c 28	N78-31255 *
US-PATENT-CLASS-136-90	c 44	N76-14601 *	#	US-PATENT-CLASS-137-99	c 37	N85-34403 *	#	US-PATENT-CLASS-149-19 4	c 20	N78-32179 *
US-PATENT-CLASS-137-DIG 9	c 54	N76-24900 *	#	US-PATENT-CLASS-138 8R	c 27	N81-15104 *	#	US-PATENT-CLASS-149-19 4	c 28	N79-28342 *
US-PATENT-CLASS-137-101	c 07	N77-23106 *	#	US-PATENT-CLASS-138-103	c 52	N80-16725 *	#	US-PATENT-CLASS-149-19 8	c 28	N78-31255 *
US-PATENT-CLASS-137-104	c 37	N78-10467 *	#	US-PATENT-CLASS-138-113	c 34	N75-12222 *	#	US-PATENT-CLASS-149-19 9 2	c 28	N79-14228 *
US-PATENT-CLASS-137-110	c 54	N76-24900 *	#	US-PATENT-CLASS-138-114	c 34	N75-12222 *	#	US-PATENT-CLASS-149-19 9		

US-PATENT-CLASS-149-2	c 12	N70-40124 *	#	US-PATENT-CLASS-156-272	c 33	N82-26571 *	#	US-PATENT-CLASS-156-617SP	c 44	N80-24741 *	#
US-PATENT-CLASS-149-36	c 27	N72-25699 *	#	US-PATENT-CLASS-156-273 7	c 27	N85-20125 *	#	US-PATENT-CLASS-156-617SP	c 76	N80-32245 *	#
US-PATENT-CLASS-149-36	c 27	N73-16764 *	#	US-PATENT-CLASS-156-273 9	c 31	N85-29083 *	#	US-PATENT-CLASS-156-619	c 76	N77-32919 *	#
US-PATENT-CLASS-149-36	c 26	N73-30097 *	#	US-PATENT-CLASS-156-278	c 44	N80-18550 *	#	US-PATENT-CLASS-156-620	c 76	N77-32919 *	#
US-PATENT-CLASS-149-36	c 04	N76-14203 *	#	US-PATENT-CLASS-156-285	c 15	N71-23052 *	#	US-PATENT-CLASS-156-623Q	c 76	N85-29800 *	#
US-PATENT-CLASS-149-37	c 44	N80-20808 *	#	US-PATENT-CLASS-156-285	c 18	N73-30532 *	#	US-PATENT-CLASS-156-624	c 76	N83-20789 *	#
US-PATENT-CLASS-149-42	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 31	N74-18089 *	#	US-PATENT-CLASS-156-630	c 35	N84-22930 *	#
US-PATENT-CLASS-149-43	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 24	N74-27035 *	#	US-PATENT-CLASS-156-633	c 44	N78-25529 *	#
US-PATENT-CLASS-149-44	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 24	N78-17149 *	#	US-PATENT-CLASS-156-635	c 76	N83-20789 *	#
US-PATENT-CLASS-149-60	c 28	N74-33209 *	#	US-PATENT-CLASS-156-285	c 24	N78-17150 *	#	US-PATENT-CLASS-156-643	c 52	N84-23095 *	#
US-PATENT-CLASS-149-76	c 28	N74-33209 *	#	US-PATENT-CLASS-156-285	c 44	N80-18550 *	#	US-PATENT-CLASS-156-644	c 52	N84-23095 *	#
US-PATENT-CLASS-149-76	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 24	N80-26388 *	#	US-PATENT-CLASS-156-645	c 27	N77-32308 *	#
US-PATENT-CLASS-149-83	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 24	N81-29163 *	#	US-PATENT-CLASS-156-647	c 33	N81-26360 *	#
US-PATENT-CLASS-149-85	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 24	N81-33235 *	#	US-PATENT-CLASS-156-648	c 33	N81-26360 *	#
US-PATENT-CLASS-149-88	c 28	N78-31255 *	#	US-PATENT-CLASS-156-285	c 52	N84-28389 *	#	US-PATENT-CLASS-156-649	c 33	N81-26360 *	#
US-PATENT-CLASS-149-92	c 27	N72-25699 *	#	US-PATENT-CLASS-156-286	c 37	N76-21554 *	#	US-PATENT-CLASS-156-654	c 76	N83-20789 *	#
US-PATENT-CLASS-149-92	c 28	N78-31255 *	#	US-PATENT-CLASS-156-286	c 37	N76-24575 *	#	US-PATENT-CLASS-156-654	c 35	N84-22930 *	#
US-PATENT-CLASS-149-93	c 28	N78-31255 *	#	US-PATENT-CLASS-156-286	c 24	N78-17150 *	#	US-PATENT-CLASS-156-662	c 76	N83-20789 *	#
US-PATENT-CLASS-15-143	c 15	N72-11390 *	#	US-PATENT-CLASS-156-289	c 24	N78-17149 *	#	US-PATENT-CLASS-156-663	c 27	N77-32308 *	#
US-PATENT-CLASS-15-210	c 15	N72-11390 *	#	US-PATENT-CLASS-156-289	c 24	N78-17150 *	#	US-PATENT-CLASS-156-668	c 52	N84-23095 *	#
US-PATENT-CLASS-15-230 16	c 37	N79-10422 *	#	US-PATENT-CLASS-156-289	c 52	N84-28389 *	#	US-PATENT-CLASS-156-66	c 15	N72-11392 *	#
US-PATENT-CLASS-15-230 17	c 37	N79-10422 *	#	US-PATENT-CLASS-156-290	c 24	N81-33235 *	#	US-PATENT-CLASS-156-71	c 33	N82-26571 *	#
US-PATENT-CLASS-15-406	c 37	N85-21652 *	#	US-PATENT-CLASS-156-292	c 27	N80-32516 *	#	US-PATENT-CLASS-156-71	c 35	N84-12443 *	#
US-PATENT-CLASS-15-415	c 14	N73-30395 *	#	US-PATENT-CLASS-156-292	c 24	N81-17170 *	#	US-PATENT-CLASS-156-74	c 24	N81-29163 *	#
US-PATENT-CLASS-150-11	c 37	N81-14317 *	#	US-PATENT-CLASS-156-294	c 37	N81-14317 *	#	US-PATENT-CLASS-156-7	c 74	N75-12732 *	#
US-PATENT-CLASS-150-1	c 52	N79-14749 *	#	US-PATENT-CLASS-156-294	c 24	N81-29163 *	#	US-PATENT-CLASS-156-81	c 27	N84-22748 *	#
US-PATENT-CLASS-151-41 76	c 37	N80-23653 *	#	US-PATENT-CLASS-156-294	c 35	N84-12443 *	#	US-PATENT-CLASS-156-84	c 15	N72-16330 *	#
US-PATENT-CLASS-152-11	c 31	N71-18611 *	#	US-PATENT-CLASS-156-295	c 37	N81-14077 *	#	US-PATENT-CLASS-156-84	c 37	N82-24491 *	#
US-PATENT-CLASS-152-225	c 15	N71-27091 *	#	US-PATENT-CLASS-156-300	c 24	N78-17150 *	#	US-PATENT-CLASS-156-85	c 37	N82-24491 *	#
US-PATENT-CLASS-152-250	c 15	N71-27091 *	#	US-PATENT-CLASS-156-303	c 44	N80-18550 *	#	US-PATENT-CLASS-156-86	c 15	N72-16330 *	#
US-PATENT-CLASS-152-330RF	c 37	N81-24443 *	#	US-PATENT-CLASS-156-304 3	c 27	N84-22748 *	#	US-PATENT-CLASS-156-86	c 37	N82-24491 *	#
US-PATENT-CLASS-152-353G	c 37	N81-24443 *	#	US-PATENT-CLASS-156-304 6	c 27	N84-22748 *	#	US-PATENT-CLASS-156-89	c 37	N75-15992 *	#
US-PATENT-CLASS-152-353R	c 37	N81-24443 *	#	US-PATENT-CLASS-156-306	c 24	N78-17150 *	#	US-PATENT-CLASS-156-89	c 24	N79-25143 *	#
US-PATENT-CLASS-152-379 4	c 37	N81-24443 *	#	US-PATENT-CLASS-156-307 3	c 27	N82-11206 *	#	US-PATENT-CLASS-156-89	c 27	N84-22748 *	#
US-PATENT-CLASS-156 307 7	c 27	N82-11206 *	#	US-PATENT-CLASS-156-307 5	c 27	N82-11206 *	#	US-PATENT-CLASS-156-905	c 35	N84-22930 *	#
US-PATENT-CLASS-156-DIG 6-8	c 76	N79-23798 *	#	US-PATENT-CLASS-156-308	c 05	N72-25121 *	#	US-PATENT-CLASS-156-94	c 32	N74-27612 *	#
US-PATENT-CLASS-156-DIG 62	c 76	N77-32919 *	#	US-PATENT-CLASS-156-309	c 31	N74-18089 *	#	US-PATENT-CLASS-156-94	c 24	N74-30001 *	#
US-PATENT-CLASS-156-DIG 62	c 35	N83-24828 *	#	US-PATENT-CLASS-156-309	c 27	N78-17205 *	#	US-PATENT-CLASS-156-99	c 37	N75-15992 *	#
US-PATENT-CLASS-156-DIG 62	c 33	N85-29142 *	#	US-PATENT-CLASS-156-311	c 24	N78-17150 *	#	US-PATENT-CLASS-161-115	c 18	N70-41583 *	#
US-PATENT-CLASS-156-DIG 64	c 76	N79-11920 *	#	US-PATENT-CLASS-156-312	c 44	N80-18550 *	#	US-PATENT-CLASS-161-116	c 37	N74-23064 *	#
US-PATENT-CLASS-156-DIG 64	c 44	N80-24741 *	#	US-PATENT-CLASS-156-315	c 27	N82-24340 *	#	US-PATENT-CLASS-161-127	c 18	N72-25540 *	#
US-PATENT-CLASS-156-DIG 64	c 76	N80-32245 *	#	US-PATENT-CLASS-156-320	c 15	N72-11392 *	#	US-PATENT-CLASS-161-127	c 18	N72-25541 *	#
US-PATENT-CLASS-156-DIG 64	c 76	N84-35113 *	#	US-PATENT-CLASS-156-329	c 27	N81-14077 *	#	US-PATENT-CLASS-161-161	c 33	N71-25351 *	#
US-PATENT-CLASS-156-DIG 65	c 76	N79-11920 *	#	US-PATENT-CLASS-156-330	c 27	N82-29456 *	#	US-PATENT-CLASS-161-182	c 15	N69-39735 *	#
US-PATENT-CLASS-156-DIG 65	c 76	N85-30922 *	#	US-PATENT-CLASS-156-331 5	c 24	N81-14000 *	#	US-PATENT-CLASS-161-182	c 37	N74-18126 *	#
US-PATENT-CLASS-156-DIG 6	c 76	N83-35888 *	#	US-PATENT-CLASS-156-331 5	c 27	N82-11206 *	#	US-PATENT-CLASS-161-189	c 23	N71-15978 *	#
US-PATENT-CLASS-156-DIG 73	c 76	N83-35888 *	#	US-PATENT-CLASS-156-331	c 37	N74-18126 *	#	US-PATENT-CLASS-161-192	c 37	N74-18126 *	#
US-PATENT-CLASS-156-DIG 73	c 27	N83-36220 *	#	US-PATENT-CLASS-156-331	c 27	N78-17205 *	#	US-PATENT-CLASS-161-196	c 37	N74-21063 *	#
US-PATENT-CLASS-156-DIG 88	c 76	N79-11920 *	#	US-PATENT-CLASS-156-331	c 24	N79-18915 *	#	US-PATENT-CLASS-161-214	c 06	N73-27980 *	#
US-PATENT-CLASS-156-DIG 88	c 76	N80-32245 *	#	US-PATENT-CLASS-156-331	c 27	N81-14077 *	#	US-PATENT-CLASS-161-227	c 06	N73-27980 *	#
US-PATENT-CLASS-156-DIG 88	c 76	N84-35113 *	#	US-PATENT-CLASS-156-338	c 27	N82-24340 *	#	US-PATENT-CLASS-161-42	c 37	N74-18126 *	#
US-PATENT-CLASS-156-DIG 88	c 76	N85-30922 *	#	US-PATENT-CLASS-156-344	c 28	N81-14103 *	#	US-PATENT-CLASS-161-43	c 37	N74-18126 *	#
US-PATENT-CLASS-156-DIG 89	c 27	N83-36220 *	#	US-PATENT-CLASS-156-344	c 31	N83-34073 *	#	US-PATENT-CLASS-161-67	c 33	N72-17947 *	#
US-PATENT-CLASS-156-DIG 96	c 76	N80-32244 *	#	US-PATENT-CLASS-156-345	c 15	N70-42033 *	#	US-PATENT-CLASS-161-68	c 18	N71-21651 *	#
US-PATENT-CLASS-156-DIG 96	c 33	N81-19389 *	#	US-PATENT-CLASS-156-379 7	c 33	N82-26571 *	#	US-PATENT-CLASS-161-68	c 18	N72-25540 *	#
US-PATENT-CLASS-156-DIG 98	c 76	N84-35113 *	#	US-PATENT-CLASS-156-380 2	c 31	N85-29083 *	#	US-PATENT-CLASS-161-68	c 18	N72-25541 *	#
US-PATENT-CLASS-156-104	c 44	N80-18550 *	#	US-PATENT-CLASS-156-382	c 37	N76-21554 *	#	US-PATENT-CLASS-161-69	c 33	N71-24858 *	#
US-PATENT-CLASS-156-154	c 24	N78-17150 *	#	US-PATENT-CLASS-156-382	c 52	N84-28389 *	#	US-PATENT-CLASS-161-7	c 18	N72-25540 *	#
US-PATENT-CLASS-156-154	c 27	N81-14077 *	#	US-PATENT-CLASS-156-391	c 35	N84-12443 *	#	US-PATENT-CLASS-161-7	c 18	N72-25541 *	#
US-PATENT-CLASS-156-157	c 33	N82-26571 *	#	US-PATENT-CLASS-156-3	c 17	N71-16044 *	#	US-PATENT-CLASS-161-89	c 17	N71-28747 *	#
US-PATENT-CLASS-156-160	c 27	N81-14077 *	#	US-PATENT-CLASS-156-3	c 15	N71-21404 *	#	US-PATENT-CLASS-161-92	c 37	N75-26371 *	#
US-PATENT-CLASS-156-161	c 24	N81-29163 *	#	US-PATENT-CLASS-156-3	c 15	N71-24047 *	#	US-PATENT-CLASS-161-93	c 18	N73-12604 *	#
US-PATENT-CLASS-156-163	c 27	N81-14077 *	#	US-PATENT-CLASS-156-3	c 06	N72-21094 *	#	US-PATENT-CLASS-161-93	c 37	N74-18126 *	#
US-PATENT-CLASS-156-165	c 24	N81-29163 *	#	US-PATENT-CLASS-156-423	c 35	N84-12443 *	#	US-PATENT-CLASS-161-93	c 37	N75-26371 *	#
US-PATENT-CLASS-156-166	c 74	N85-29749 *	#	US-PATENT-CLASS-156-499	c 27	N84-22748 *	#	US-PATENT-CLASS-162-102	c 24	N76-14204 *	#
US-PATENT-CLASS-156-166	c 74	N75-12732 *	#	US-PATENT-CLASS-156-510	c 15	N71-17687 *	#	US-PATENT-CLASS-162-14	c 85	N79-17747 *	#
US-PATENT-CLASS-156-172	c 15	N71-17651 *	#	US-PATENT-CLASS-156-510	c 03	N72-25019 *	#	US-PATENT-CLASS-162-153	c 24	N76-14204 *	#
US-PATENT-CLASS-156-17	c 76	N79-21910 *	#	US-PATENT-CLASS-156-52	c 31	N79-21226 *	#	US-PATENT-CLASS-162-222	c 24	N76-14204 *	#
US-PATENT-CLASS-156-18	c 26	N73-26752 *	#	US-PATENT-CLASS-156-540	c 35	N84-12443 *	#	US-PATENT-CLASS-162-228	c 24	N76-14204 *	#
US-PATENT-CLASS-156-18	c 74	N75-12732 *	#	US-PATENT-CLASS-156-545	c 15	N71-24164 *	#	US-PATENT-CLASS-162-29	c 85	N79-17747 *	#
US-PATENT-CLASS-156-191	c 52	N84-28389 *	#	US-PATENT-CLASS-156-556	c 37	N76-21554 *	#	US-PATENT-CLASS-164-105	c 20	N79-21123 *	#
US-PATENT-CLASS-156-212	c 03	N71-26726 *	#	US-PATENT-CLASS-156-59	c 31	N83-34073 *	#	US-PATENT-CLASS-164-119	c 24	N84-16262 *	#
US-PATENT-CLASS-156-212	c 24	N80-26388 *	#	US-PATENT-CLASS-156-600	c 27	N83-36220 *	#	US-PATENT-CLASS-164-132	c 37	N76-23570 *	#
US-PATENT-CLASS-156-212	c 27	N81-14077 *	#	US-PATENT-CLASS-156-601	c 76	N77-32919 *	#	US-PATENT-CLASS-164-331 12	c 27	N83-34041 *	#
US-PATENT-CLASS-156-213	c 76	N80-26388 *	#	US-PATENT-CLASS-156-601	c 76	N80-32245 *	#	US-PATENT-CLASS-164-60	c 24	N77-27187 *	#
US-PATENT-CLASS-156-215	c 35	N84-12443 *	#	US-PATENT-CLASS-156-602	c 76	N82-30105 *	#	US-PATENT-CLASS-165-DIG 6	c 34	N84-22903 *	#
US-PATENT-CLASS-156-218	c 54	N74-32546 *	#	US-PATENT-CLASS-156-605	c 44	N80-24741 *	#	US-PATENT-CLASS-165-104 14	c 05	N81-26114 *	#
US-PATENT-CLASS-156-229	c 24	N77-28225 *	#	US-PATENT-CLASS-156-608	c 76	N79-11920 *	#	US-PATENT-CLASS-165-104 14	c 34	N85-29179 *	#
US-PATENT-CLASS-156-230	c 35	N84-12443 *	#	US-PATENT-CLASS-156-608	c 33	N81-19389 *	#	US-PATENT-CLASS-165-104 26	c 74	N83-19596 *	#
US-PATENT-CLASS-156-235	c 35	N84-12443 *	#	US-PATENT-CLASS-156-608	c 76	N82-30105 *	#</				

US-PATENT-CLASS-165-105	c 34	N78-17336 * #	US-PATENT-CLASS-169-62	c 31	N81-14137 * #	US-PATENT-CLASS-178-6 6DD	c 35	N74-11283 * #
US-PATENT-CLASS-165-105	c 34	N78-17337 * #	US-PATENT-CLASS-169-70	c 31	N81-14137 * #	US-PATENT-CLASS-178-6 6	c 07	N71-11300 * #
US-PATENT-CLASS-165-105	c 44	N79-18443 * #	US-PATENT-CLASS-173-131	c 15	N73-13463 * #	US-PATENT-CLASS-178-6 6	c 07	N71-26102 * #
US-PATENT-CLASS-165-105	c 37	N79-28549 * #	US-PATENT-CLASS-173-132	c 37	N76-18454 * #	US-PATENT-CLASS-178-6 7R	c 35	N74-15831 * #
US-PATENT-CLASS-165-105	c 34	N79-31523 * #	US-PATENT-CLASS-174-DIG 6	c 26	N73-26752 * #	US-PATENT-CLASS-178-6 7	c 07	N72-17109 * #
US-PATENT-CLASS-165-105	c 35	N81-14287 * #	US-PATENT-CLASS-174-DIG 6	c 26	N73-32571 * #	US-PATENT-CLASS-178-6 8	c 08	N72-22164 * #
US-PATENT-CLASS-165-106	c 33	N73-32818 * #	US-PATENT-CLASS-174-DIG 8	c 33	N74-22865 * #	US-PATENT-CLASS-178-6 8	c 14	N72-25412 * #
US-PATENT-CLASS-165-106	c 34	N76-17317 * #	US-PATENT-CLASS-174-106R	c 09	N72-22198 * #	US-PATENT-CLASS-178-6 8	c 07	N73-30115 * #
US-PATENT-CLASS-165-107	c 09	N71-24807 * #	US-PATENT-CLASS-174-110 3	c 14	N71-27186 * #	US-PATENT-CLASS-178-6 8	c 33	N75-30431 * #
US-PATENT-CLASS-165-107	c 44	N77-32581 * #	US-PATENT-CLASS-174-111	c 33	N74-27683 * #	US-PATENT-CLASS-178-6 8	c 45	N76-17656 * #
US-PATENT-CLASS-165-109	c 35	N74-15093 * #	US-PATENT-CLASS-174-115	c 09	N70-38201 * #	US-PATENT-CLASS-178-6 6R	c 32	N75-24981 * #
US-PATENT-CLASS-165-110	c 44	N76-31667 * #	US-PATENT-CLASS-174-117FF	c 09	N72-22198 * #	US-PATENT-CLASS-178-6 6	c 09	N71-25866 * #
US-PATENT-CLASS-165-110	c 77	N75-20139 * #	US-PATENT-CLASS-174-126CP	c 26	N73-32571 * #	US-PATENT-CLASS-178-6 6	c 08	N72-18184 * #
US-PATENT-CLASS-165-111	c 77	N75-20139 * #	US-PATENT-CLASS-174-142	c 33	N80-18286 * #	US-PATENT-CLASS-178-6 7	c 08	N70-11961 * #
US-PATENT-CLASS-165-12	c 33	N71-24276 * #	US-PATENT-CLASS-174-145	c 33	N76-16332 * #	US-PATENT-CLASS-178-6 7	c 32	N74-26654 * #
US-PATENT-CLASS-165-12	c 34	N83-34221 * #	US-PATENT-CLASS-174-148	c 33	N76-16332 * #	US-PATENT-CLASS-178-6 9 1	c 32	N78-15323 * #
US-PATENT-CLASS-165-133	c 33	N71-16277 * #	US-PATENT-CLASS-174-15CA	c 31	N79-17029 * #	US-PATENT-CLASS-178-6 9 4R	c 32	N74-10132 * #
US-PATENT-CLASS-165-133	c 33	N71-25353 * #	US-PATENT-CLASS-174-15C	c 33	N74-27683 * #	US-PATENT-CLASS-178-6 9 5R	c 07	N72-20140 * #
US-PATENT-CLASS-165-133	c 33	N72-20915 * #	US-PATENT-CLASS-174-18	c 09	N69-21542 * #	US-PATENT-CLASS-178-6 9 5R	c 32	N75-26195 * #
US-PATENT-CLASS-165-133	c 44	N76-23675 * #	US-PATENT-CLASS-174-28	c 07	N71-27191 * #	US-PATENT-CLASS-178-6 9 5R	c 33	N76-14371 * #
US-PATENT-CLASS-165-134R	c 74	N83-19596 * #	US-PATENT-CLASS-174-28	c 33	N74-27683 * #	US-PATENT-CLASS-178-6 9 5R	c 60	N77-19760 * #
US-PATENT-CLASS-165-134	c 34	N78-17336 * #	US-PATENT-CLASS-174-35	c 07	N71-19436 * #	US-PATENT-CLASS-178-6 9 5	c 07	N71-11281 * #
US-PATENT-CLASS-165-135	c 34	N84-22903 * #	US-PATENT-CLASS-174-36	c 09	N72-22198 * #	US-PATENT-CLASS-178-6 9 5	c 10	N71-19468 * #
US-PATENT-CLASS-165-138	c 09	N71-24807 * #	US-PATENT-CLASS-174-52S	c 15	N73-14469 * #	US-PATENT-CLASS-178-6 9 5	c 10	N71-25865 * #
US-PATENT-CLASS-165-141	c 28	N73-32606 * #	US-PATENT-CLASS-174-68 5	c 15	N70-41960 * #	US-PATENT-CLASS-178-6 9 5	c 10	N71-33407 * #
US-PATENT-CLASS-165-146	c 34	N79-13289 * #	US-PATENT-CLASS-174-69	c 33	N74-22865 * #	US-PATENT-CLASS-178-6 9 5	c 07	N72-25173 * #
US-PATENT-CLASS-165-155	c 33	N72-20915 * #	US-PATENT-CLASS-174-70R	c 33	N74-22865 * #	US-PATENT-CLASS-178-6 9 5	c 07	N73-13149 * #
US-PATENT-CLASS-165-158	c 33	N72-20915 * #	US-PATENT-CLASS-174-72	c 03	N69-21539 * #	US-PATENT-CLASS-178-6 9 5	c 09	N73-28084 * #
US-PATENT-CLASS-165-161	c 33	N72-20915 * #	US-PATENT-CLASS-174-73R	c 33	N80-18286 * #	US-PATENT-CLASS-178-6 9 5	c 17	N76-22245 * #
US-PATENT-CLASS-165-164	c 34	N77-10463 * #	US-PATENT-CLASS-174-84	c 15	N72-17455 * #	US-PATENT-CLASS-178-6 9A	c 35	N75-21582 * #
US-PATENT-CLASS-165-166	c 54	N77-32722 * #	US-PATENT-CLASS-175-1	c 46	N79-22679 * #	US-PATENT-CLASS-178-6 9C	c 32	N76-16249 * #
US-PATENT-CLASS-165-169	c 34	N79-13288 * #	US-PATENT-CLASS-175-26	c 15	N73-32362 * #	US-PATENT-CLASS-178-6	c 07	N71-19433 * #
US-PATENT-CLASS-165-169	c 34	N79-13289 * #	US-PATENT-CLASS-175-310	c 15	N70-42034 * #	US-PATENT-CLASS-178-6	c 09	N71-19449 * #
US-PATENT-CLASS-165-16	c 31	N80-32583 * #	US-PATENT-CLASS-175-323	c 14	N69-21923 * #	US-PATENT-CLASS-178-6	c 07	N71-23026 * #
US-PATENT-CLASS-165-170	c 34	N77-10463 * #	US-PATENT-CLASS-175-45	c 35	N84-33768 * #	US-PATENT-CLASS-178-6	c 07	N71-26579 * #
US-PATENT-CLASS-165-174	c 33	N72-20915 * #	US-PATENT-CLASS-175-78	c 46	N80-10709 * #	US-PATENT-CLASS-178-6	c 07	N72-12081 * #
US-PATENT-CLASS-165-185	c 28	N73-32606 * #	US-PATENT-CLASS-176-11	c 24	N72-33681 * #	US-PATENT-CLASS-178-6	c 16	N72-13437 * #
US-PATENT-CLASS-165-185	c 34	N83-28356 * #	US-PATENT-CLASS-176-11	c 25	N76-27383 * #	US-PATENT-CLASS-178-6	c 10	N73-13235 * #
US-PATENT-CLASS-165-1	c 09	N70-41717 * #	US-PATENT-CLASS-176-11	c 25	N76-29379 * #	US-PATENT-CLASS-178-6	c 36	N74-20009 * #
US-PATENT-CLASS-165-1	c 34	N75-12222 * #	US-PATENT-CLASS-176-11	c 25	N78-27226 * #	US-PATENT-CLASS-178-7 1	c 07	N71-24612 * #
US-PATENT-CLASS-165-1	c 34	N85-29180 * #	US-PATENT-CLASS-176-14	c 25	N76-29379 * #	US-PATENT-CLASS-178-7 1	c 07	N71-27341 * #
US-PATENT-CLASS-165-20	c 03	N72-28025 * #	US-PATENT-CLASS-176-169	c 22	N73-32528 * #	US-PATENT-CLASS-178-7 1	c 09	N72-17156 * #
US-PATENT-CLASS-165-2	c 33	N71-24876 * #	US-PATENT-CLASS-176-16	c 25	N76-27383 * #	US-PATENT-CLASS-178-7 1	c 32	N74-19790 * #
US-PATENT-CLASS-165-2	c 35	N74-15093 * #	US-PATENT-CLASS-176-16	c 25	N76-29379 * #	US-PATENT-CLASS-178-7 1	c 36	N75-19652 * #
US-PATENT-CLASS-165-2	c 44	N77-32581 * #	US-PATENT-CLASS-176-16	c 25	N78-27226 * #	US-PATENT-CLASS-178-7 2R	c 08	N72-2164 * #
US-PATENT-CLASS-165-2	c 44	N78-17460 * #	US-PATENT-CLASS-176-22	c 73	N78-28913 * #	US-PATENT-CLASS-178-7 2	c 14	N70-41807 * #
US-PATENT-CLASS-165-2	c 51	N79-10694 * #	US-PATENT-CLASS-176-33	c 73	N78-28913 * #	US-PATENT-CLASS-178-7 2	c 71	N74-21014 * #
US-PATENT-CLASS-165-30	c 27	N83-36220 * #	US-PATENT-CLASS-176-39	c 73	N78-19920 * #	US-PATENT-CLASS-178-7 2	c 35	N75-25123 * #
US-PATENT-CLASS-165-30	c 51	N79-10694 * #	US-PATENT-CLASS-176-39	c 73	N78-28913 * #	US-PATENT-CLASS-178-7 3	c 07	N71-27341 * #
US-PATENT-CLASS-165-32	c 31	N79-17029 * #	US-PATENT-CLASS-176-3	c 75	N75-13625 * #	US-PATENT-CLASS-178-7 3	c 07	N72-12081 * #
US-PATENT-CLASS-165-32	c 31	N73-30829 * #	US-PATENT-CLASS-176-45	c 22	N71-28759 * #	US-PATENT-CLASS-178-7 5E	c 10	N72-31273 * #
US-PATENT-CLASS-165-32	c 33	N73-32818 * #	US-PATENT-CLASS-176-86G	c 22	N72-20597 * #	US-PATENT-CLASS-178-7 6	c 36	N74-20009 * #
US-PATENT-CLASS-165-32	c 34	N78-17337 * #	US-PATENT-CLASS-177-147	c 35	N85-20294 * #	US-PATENT-CLASS-178-7 7	c 09	N71-12539 * #
US-PATENT-CLASS-165-32	c 34	N79-31523 * #	US-PATENT-CLASS-177-1	c 35	N77-19385 * #	US-PATENT-CLASS-178-7 7	c 32	N74-20813 * #
US-PATENT-CLASS-165-32	c 44	N80-20810 * #	US-PATENT-CLASS-177-200	c 35	N74-26945 * #	US-PATENT-CLASS-178-7 8 9	c 09	N76-24280 * #
US-PATENT-CLASS-165-32	c 33	N82-24419 * #	US-PATENT-CLASS-177-208	c 35	N77-19385 * #	US-PATENT-CLASS-178-7 9 2	c 14	N72-25414 * #
US-PATENT-CLASS-165-32	c 34	N83-28356 * #	US-PATENT-CLASS-177-210	c 14	N71-10773 * #	US-PATENT-CLASS-178-7 9	c 32	N75-21486 * #
US-PATENT-CLASS-165-32	c 34	N83-35307 * #	US-PATENT-CLASS-177-211	c 35	N74-26945 * #	US-PATENT-CLASS-178-8 8	c 07	N71-12392 * #
US-PATENT-CLASS-165-32	c 34	N84-14461 * #	US-PATENT-CLASS-177-246	c 35	N74-26945 * #	US-PATENT-CLASS-178-8 8	c 33	N74-12887 * #
US-PATENT-CLASS-165-32	c 34	N85-29179 * #	US-PATENT-CLASS-177-260	c 35	N85-20294 * #	US-PATENT-CLASS-178-8 8	c 32	N74-20809 * #
US-PATENT-CLASS-165-3	c 03	N72-28025 * #	US-PATENT-CLASS-178-DIG 12	c 07	N72-12081 * #	US-PATENT-CLASS-178-8 8	c 33	N74-27705 * #
US-PATENT-CLASS-165-41	c 34	N84-14461 * #	US-PATENT-CLASS-178-DIG 12	c 32	N75-21485 * #	US-PATENT-CLASS-178-8 8	c 33	N76-14371 * #
US-PATENT-CLASS-165-44	c 15	N71-26611 * #	US-PATENT-CLASS-178-DIG 1	c 36	N74-20009 * #	US-PATENT-CLASS-178-8 8	c 32	N76-16249 * #
US-PATENT-CLASS-165-46	c 05	N71-19439 * #	US-PATENT-CLASS-178-DIG 1	c 33	N75-30431 * #	US-PATENT-CLASS-178-8 8	c 32	N77-10392 * #
US-PATENT-CLASS-165-46	c 05	N71-24147 * #	US-PATENT-CLASS-178-DIG 1	c 45	N76-17656 * #	US-PATENT-CLASS-178-8 8	c 32	N77-24331 * #
US-PATENT-CLASS-165-46	c 05	N73-20137 * #	US-PATENT-CLASS-178-DIG 20	c 18	N76-14186 * #	US-PATENT-CLASS-179-1DM	c 71	N79-23753 * #
US-PATENT-CLASS-165-46	c 05	N73-26071 * #	US-PATENT-CLASS-178-DIG 20	c 23	N72-27728 * #	US-PATENT-CLASS-179-1MF	c 71	N79-23753 * #
US-PATENT-CLASS-165-46	c 54	N82-29002 * #	US-PATENT-CLASS-178-DIG 20	c 35	N75-19613 * #	US-PATENT-CLASS-179-1MN	c 32	N79-23310 * #
US-PATENT-CLASS-165-47	c 33	N71-29052 * #	US-PATENT-CLASS-178-DIG 21	c 16	N72-13437 * #	US-PATENT-CLASS-179-1P	c 10	N73-12244 * #
US-PATENT-CLASS-165-47	c 31	N73-30829 * #	US-PATENT-CLASS-178-DIG 23	c 07	N73-30115 * #	US-PATENT-CLASS-179-1R	c 07	N71-33108 * #
US-PATENT-CLASS-165-47	c 34	N75-12222 * #	US-PATENT-CLASS-178-DIG 25	c 74	N75-25706 * #	US-PATENT-CLASS-179-1SA	c 10	N73-25240 * #
US-PATENT-CLASS-165-48R	c 35	N85-29214 * #	US-PATENT-CLASS-178-DIG 28	c 08	N72-22164 * #	US-PATENT-CLASS-179-1SA	c 32	N76-31372 * #
US-PATENT-CLASS-165-58	c 27	N83-36220 * #	US-PATENT-CLASS-178-DIG 29	c 35	N75-25123 * #	US-PATENT-CLASS-179-1SA	c 32	N77-30309 * #
US-PATENT-CLASS-165-61	c 34	N83-34221 * #	US-PATENT-CLASS-178-DIG 32	c 71	N74-21014 * #	US-PATENT-CLASS-179-1SP	c 32	N73-30309 * #
US-PATENT-CLASS-165-61	c 35	N85-29214 * #	US-PATENT-CLASS-178-DIG 35	c 09	N76-24280 * #	US-PATENT-CLASS-179-1VC	c 07	N71-33108 * #
US-PATENT-CLASS-165-64	c 35	N85-29214 * #	US-PATENT-CLASS-178-DIG 6	c 08	N72-22164 * #	US-PATENT-CLASS-179-100 2A	c 21	N73-13644 * #
US-PATENT-CLASS-165-76	c 34	N83-28356 * #	US-PATENT-CLASS-178-DIG 6	c 10	N73-13235 * #	US-PATENT-CLASS-179-100 2A	c 32	N74-27612 * #
US-PATENT-CLASS-165-80E	c 34	N83-34221 * #	US-PATENT-CLASS-178-DIG 8	c 14	N72-25412 * #	US-PATENT-CLASS-179-100 2B	c 32	N74-27612 * #
US-PATENT-CLASS-165-86	c 15	N71-26611 * #	US-PATENT-CLASS-178-DIG 8	c 45	N76-17656 * #	US-PATENT-CLASS-179-100 2CH	c 36	N74-13205 * #
US-PATENT-CLASS-165-86	c 33	N71-29046 * #	US-PATENT-CLASS-178-15	c 33	N75-19517 * #	US-PATENT-CLASS-179-100 2CH	c 35	N78-29421 * #
US-PATENT-CLASS-165-96	c 33	N70-36847 * #	US-PATENT-CLASS-178-18	c 10	N73-32143 * #	US-PATENT-CLASS-179-100 2CH	c 35	N79-16246 * #
US-PATENT-CLASS-165-96	c 33	N71-22890 * #	US-PATENT-CLASS-178-22 16	c 32	N82-31583 * #	US-PATENT-CLASS-179-100 2C	c 35	N77-21392 * #
US-PATENT-CLASS-165-96	c 31	N73-30829 * #	US-PATENT-CLASS-178-22 17	c 32	N82-31583 * #	US-PATENT-CLASS-179-100 2K	c 07	N72-21119 * #
US-PATENT-CLASS-165-96	c 33	N73-32818 * #	US-PATENT-CLASS-178-5 2R	c 09	N71-28618 * #	US-PATENT-CLASS-179-100 2MD	c 35	N74-11283 * #
US-PATENT-CLASS-165-96	c 34	N78-17337 * #	US-PATENT-CLASS-178-5 2R	c 07	N72-17109 * #	US-PATENT-CLASS-179-100 2T	c 35	N74-11283 * #
US-PATENT-CLASS-165-96	c 34	N84-14461 * #	US-PATENT-CLASS-178-5 4	c 07	N72-17109 * #	US-PATENT-CLASS-179-100 2	c 09	N69-24329 * #
US-PATENT-CLASS-166-222	c 43	N81-26509 * #	US-PATENT-CLASS-178-5 4	c				

US-PATENT-CLASS-179-15A	c 08	N72-22162 * #	US-PATENT-CLASS-188-103	c 15	N71-27146 *	US-PATENT-CLASS-2-6	c 05	N71-26333 *
US-PATENT-CLASS-179-15A	c 07	N73-26118 * #	US-PATENT-CLASS-188-129	c 15	N72-17450 * #	US-PATENT-CLASS-2-6	c 54	N78-17680 * #
US-PATENT-CLASS-179-15BA	c 60	N77-12721 * #	US-PATENT-CLASS-188-134	c 37	N81-15364 * #	US-PATENT-CLASS-2-81	c 18	N71-26285 *
US-PATENT-CLASS-179-15BA	c 32	N80-18252 * #	US-PATENT-CLASS-188-151A	c 44	N79-14527 * #	US-PATENT-CLASS-2-81	c 05	N73-32012 * #
US-PATENT-CLASS-179-15BC	c 08	N72-25208 * #	US-PATENT-CLASS-188-163	c 37	N74-26976 * #	US-PATENT-CLASS-2-82	c 54	N74-32546 * #
US-PATENT-CLASS-179-15BC	c 07	N73-16121 * #	US-PATENT-CLASS-188-171	c 37	N74-26976 * #	US-PATENT-CLASS-200-114	c 33	N79-33393 * #
US-PATENT-CLASS-179-15BC	c 32	N74-30523 * #	US-PATENT-CLASS-188-180	c 37	N81-15364 * #	US-PATENT-CLASS-200-129	c 33	N75-27249 * #
US-PATENT-CLASS-179-15BC	c 33	N75-26243 * #	US-PATENT-CLASS-188-184	c 37	N81-15364 * #	US-PATENT-CLASS-200-152	c 09	N71-19610 *
US-PATENT-CLASS-179-15BL	c 08	N72-22162 * #	US-PATENT-CLASS-188-1	c 15	N70-34861 * #	US-PATENT-CLASS-200-153S	c 33	N80-18285 * #
US-PATENT-CLASS-179-15BM	c 07	N73-26118 * #	US-PATENT-CLASS-188-1	c 15	N70-38601 * #	US-PATENT-CLASS-200-19	c 09	N70-39915 * #
US-PATENT-CLASS-179-15BS	c 10	N71-33407 * #	US-PATENT-CLASS-188-1	c 15	N70-40354 * #	US-PATENT-CLASS-200-304	c 33	N80-18285 * #
US-PATENT-CLASS-179-15BS	c 07	N72-20140 * #	US-PATENT-CLASS-188-1	c 14	N71-17626 *	US-PATENT-CLASS-200-39	c 03	N70-38713 * #
US-PATENT-CLASS-179-15BS	c 07	N73-30115 * #	US-PATENT-CLASS-188-1	c 15	N71-22877 * #	US-PATENT-CLASS-200-46	c 74	N79-12890 * #
US-PATENT-CLASS-179-15BS	c 32	N75-26195 * #	US-PATENT-CLASS-188-1	c 14	N71-23092 *	US-PATENT-CLASS-200-61 42	c 09	N71-12518 * #
US-PATENT-CLASS-179-15BS	c 60	N77-19760 * #	US-PATENT-CLASS-188-1	c 15	N71-26243 * #	US-PATENT-CLASS-200-61 45	c 14	N70-41812 * #
US-PATENT-CLASS-179-15BV	c 07	N72-25172 * #	US-PATENT-CLASS-188-1	c 15	N71-27146 *	US-PATENT-CLASS-200-61	c 74	N79-12890 * #
US-PATENT-CLASS-179-15BY	c 32	N74-30524 * #	US-PATENT-CLASS-188-1	c 15	N71-27169 *	US-PATENT-CLASS-200-64	c 15	N72-17455 * #
US-PATENT-CLASS-179-15FD	c 08	N72-25208 * #	US-PATENT-CLASS-188-266	c 15	N73-25513 * #	US-PATENT-CLASS-200-6	c 10	N71-15909 *
US-PATENT-CLASS-179-15FS	c 07	N73-28012 * #	US-PATENT-CLASS-188-268	c 15	N72-20443 * #	US-PATENT-CLASS-200-6	c 09	N71-16089 *
US-PATENT-CLASS-179-15	c 07	N69-39979 * #	US-PATENT-CLASS-188-269	c 44	N79-14527 * #	US-PATENT-CLASS-200-81 9M	c 09	N72-20199 * #
US-PATENT-CLASS-179-15	c 07	N71-20814 * #	US-PATENT-CLASS-188-291	c 54	N77-21844 * #	US-PATENT-CLASS-200-81R	c 09	N72-22204 * #
US-PATENT-CLASS-179-15	c 07	N71-24621 *	US-PATENT-CLASS-188-371	c 37	N82-18601 * #	US-PATENT-CLASS-200-82C	c 09	N72-22204 * #
US-PATENT-CLASS-179-15	c 07	N71-24622 *	US-PATENT-CLASS-188-65 1	c 15	N73-25512 * #	US-PATENT-CLASS-200-82C	c 10	N71-23663 * #
US-PATENT-CLASS-179-15	c 08	N72-18184 * #	US-PATENT-CLASS-188-65 5	c 15	N71-27067 *	US-PATENT-CLASS-200-82	c 35	N75-15931 * #
US-PATENT-CLASS-179-175 1A	c 14	N73-27379 * #	US-PATENT-CLASS-188-87	c 12	N71-16894 *	US-PATENT-CLASS-200-83N	c 33	N79-33392 * #
US-PATENT-CLASS-179-175 1A	c 33	N78-10375 * #	US-PATENT-CLASS-188-88	c 15	N72-26611 *	US-PATENT-CLASS-201-10	c 27	N81-17261 * #
US-PATENT-CLASS-179-18GF	c 33	N82-29538 * #	US-PATENT-CLASS-189-36	c 15	N70-36947 * #	US-PATENT-CLASS-201-17	c 44	N78-31527 * #
US-PATENT-CLASS-179-1	c 07	N71-26181 *	US-PATENT-CLASS-190-205	c 37	N76-18456 * #	US-PATENT-CLASS-201-17	c 25	N81-33246 * #
US-PATENT-CLASS-179-1	c 31	N71-33160 *	US-PATENT-CLASS-192-43 1	c 15	N71-17805 *	US-PATENT-CLASS-201-17	c 25	N82-29371 * #
US-PATENT-CLASS-179-27CA	c 32	N79-23310 * #	US-PATENT-CLASS-195-1 8	c 51	N77-25769 * #	US-PATENT-CLASS-201-17	c 25	N83-31743 * #
US-PATENT-CLASS-179-78	c 33	N81-27397 * #	US-PATENT-CLASS-195-1 8	c 51	N79-10694 * #	US-PATENT-CLASS-201-17	c 25	N85-35253 * #
US-PATENT-CLASS-179-84VF	c 32	N79-23310 * #	US-PATENT-CLASS-195-1 8	c 52	N79-14749 * #	US-PATENT-CLASS-201-25	c 27	N81-17261 * #
US-PATENT-CLASS-179-91R	c 74	N78-14889 * #	US-PATENT-CLASS-195-103 5K	c 51	N77-22794 * #	US-PATENT-CLASS-201-8	c 27	N81-17261 * #
US-PATENT-CLASS-18-26	c 06	N71-22975 *	US-PATENT-CLASS-195-103 5K	c 52	N79-14750 * #	US-PATENT-CLASS-202-118	c 31	N81-15154 * #
US-PATENT-CLASS-18-39	c 27	N70-34783 * #	US-PATENT-CLASS-195-103 5L	c 52	N79-14750 * #	US-PATENT-CLASS-202-182	c 05	N71-11207 * #
US-PATENT-CLASS-18-6	c 15	N71-26721 *	US-PATENT-CLASS-195-103 5R	c 06	N72-25149 * #	US-PATENT-CLASS-202-234	c 15	N71-23086 *
US-PATENT-CLASS-180-105E	c 11	N72-20244 * #	US-PATENT-CLASS-195-103 5R	c 25	N75-12086 * #	US-PATENT-CLASS-203-12	c 25	N82-28368 * #
US-PATENT-CLASS-180-118	c 31	N71-15689 *	US-PATENT-CLASS-195-103 5R	c 35	N75-27300 * #	US-PATENT-CLASS-204-DIG 11	c 25	N77-32255 * #
US-PATENT-CLASS-180-121	c 31	N71-15689 *	US-PATENT-CLASS-195-103 5R	c 35	N75-33368 * #	US-PATENT-CLASS-204-DIG 3	c 25	N84-12262 * #
US-PATENT-CLASS-180-125	c 15	N72-17451 * #	US-PATENT-CLASS-195-103 5R	c 51	N76-29891 * #	US-PATENT-CLASS-204-DIG 3	c 44	N84-23019 * #
US-PATENT-CLASS-180-127	c 15	N72-17451 * #	US-PATENT-CLASS-195-103 5R	c 51	N77-22794 * #	US-PATENT-CLASS-204-1T	c 25	N79-22235 * #
US-PATENT-CLASS-180-168	c 35	N84-33769 * #	US-PATENT-CLASS-195-120	c 25	N79-22235 * #	US-PATENT-CLASS-204-1T	c 51	N81-26698 * #
US-PATENT-CLASS-180-41	c 11	N73-26238 * #	US-PATENT-CLASS-195-120	c 51	N75-13502 * #	US-PATENT-CLASS-204-1T	c 25	N82-12166 * #
US-PATENT-CLASS-180-6 5	c 11	N73-26238 * #	US-PATENT-CLASS-195-127	c 35	N75-27300 * #	US-PATENT-CLASS-204-1T	c 76	N84-35112 * #
US-PATENT-CLASS-180-7R	c 11	N73-26238 * #	US-PATENT-CLASS-195-127	c 15	N72-21465 * #	US-PATENT-CLASS-204-1T	c 35	N85-29212 * #
US-PATENT-CLASS-180-79 3	c 37	N74-18125 * #	US-PATENT-CLASS-195-127	c 11	N72-25284 * #	US-PATENT-CLASS-204-1T	c 76	N85-30923 * #
US-PATENT-CLASS-180-8A	c 11	N73-26238 * #	US-PATENT-CLASS-195-127	c 14	N72-25413 * #	US-PATENT-CLASS-204-129 55	c 31	N83-19947 * #
US-PATENT-CLASS-180-9 2R	c 11	N73-26238 * #	US-PATENT-CLASS-195-127	c 15	N73-20514 * #	US-PATENT-CLASS-204-129 75	c 31	N83-19947 * #
US-PATENT-CLASS-180-9 5	c 11	N73-26238 * #	US-PATENT-CLASS-195-127	c 05	N73-32011 * #	US-PATENT-CLASS-204-129	c 28	N81-24280 * #
US-PATENT-CLASS-181 5R	c 71	N74-31148 * #	US-PATENT-CLASS-195-127	c 35	N75-12272 * #	US-PATENT-CLASS-204-129	c 25	N84-12262 * #
US-PATENT-CLASS-181-5	c 11	N71-28779 *	US-PATENT-CLASS-195-127	c 51	N75-13502 * #	US-PATENT-CLASS-204-129	c 44	N84-23019 * #
US-PATENT-CLASS-181-0 5	c 71	N85-30765 * #	US-PATENT-CLASS-195-127	c 35	N75-27300 * #	US-PATENT-CLASS-204-130	c 15	N72-21466 * #
US-PATENT-CLASS-181-102	c 39	N80-10507 * #	US-PATENT-CLASS-195-127	c 25	N79-22235 * #	US-PATENT-CLASS-204-157 1H	c 25	N74-30502 * #
US-PATENT-CLASS-181-102	c 31	N80-32584 * #	US-PATENT-CLASS-195-127	c 25	N79-24073 * #	US-PATENT-CLASS-204-157 1H	c 37	N76-18458 * #
US-PATENT-CLASS-181-105	c 39	N80-10507 * #	US-PATENT-CLASS-195-141	c 35	N75-27300 * #	US-PATENT-CLASS-204-157 1R	c 25	N77-32255 * #
US-PATENT-CLASS-181-106	c 46	N79-22679 * #	US-PATENT-CLASS-195-28N	c 06	N72-25149 * #	US-PATENT-CLASS-204-157 1R	c 44	N77-32580 * #
US-PATENT-CLASS-181-115	c 46	N79-23555 * #	US-PATENT-CLASS-195-66R	c 06	N73-27086 * #	US-PATENT-CLASS-204-157 1R	c 44	N79-11470 * #
US-PATENT-CLASS-181-117	c 46	N79-22679 * #	US-PATENT-CLASS-195-68	c 04	N69-27487 * #	US-PATENT-CLASS-204-157 18AG	c 15	N72-25452 * #
US-PATENT-CLASS-181-120	c 46	N79-23555 * #	US-PATENT-CLASS-195-99	c 06	N71-17705 *	US-PATENT-CLASS-204-158R	c 25	N77-32255 * #
US-PATENT-CLASS-181-121	c 35	N84-22933 * #	US-PATENT-CLASS-197-188	c 37	N77-19457 * #	US-PATENT-CLASS-204-159 11	c 27	N80-32516 * #
US-PATENT-CLASS-181-148	c 71	N79-32753 * #	US-PATENT-CLASS-197-190	c 37	N77-19457 * #	US-PATENT-CLASS-204-159 14	c 27	N80-32516 * #
US-PATENT-CLASS-181-190	c 71	N79-14871 * #	US-PATENT-CLASS-198-847	c 37	N80-32717 * #	US-PATENT-CLASS-204-159 15	c 27	N80-26446 * #
US-PATENT-CLASS-181-213	c 71	N79-14871 * #	US-PATENT-CLASS-198-848	c 37	N80-32717 * #	US-PATENT-CLASS-204-159 19	c 27	N80-26446 * #
US-PATENT-CLASS-181-213	c 07	N83-33884 * #	US-PATENT-CLASS-1	c 14	N71-27005 *	US-PATENT-CLASS-204-162R	c 25	N77-32255 * #
US-PATENT-CLASS-181-214	c 07	N81-14999 * #	US-PATENT-CLASS-2-115	c 05	N72-25119 * #	US-PATENT-CLASS-204-164	c 26	N78-32229 * #
US-PATENT-CLASS-181-214	c 71	N82-16800 * #	US-PATENT-CLASS-2-14	c 05	N71-23096 *	US-PATENT-CLASS-204-168	c 24	N71-25555 * #
US-PATENT-CLASS-181-222	c 71	N79-14871 * #	US-PATENT-CLASS-2-161R	c 54	N84-23113 * #	US-PATENT-CLASS-204-16	c 24	N77-19171 * #
US-PATENT-CLASS-181-293	c 71	N79-14871 * #	US-PATENT-CLASS-2-161R	c 54	N84-28484 * #	US-PATENT-CLASS-204-171	c 27	N80-23452 * #
US-PATENT-CLASS-181-33C	c 07	N74-32418 * #	US-PATENT-CLASS-2-161	c 54	N78-17677 * #	US-PATENT-CLASS-204-175	c 26	N78-32229 * #
US-PATENT-CLASS-181-33F	c 07	N74-32418 * #	US-PATENT-CLASS-2-164	c 54	N84-28484 * #	US-PATENT-CLASS-204-177	c 25	N75-12087 * #
US-PATENT-CLASS-181-33HB	c 07	N74-27490 * #	US-PATENT-CLASS-2-167	c 54	N84-23113 * #	US-PATENT-CLASS-204-180G	c 25	N78-14104 * #
US-PATENT-CLASS-181-33HC	c 07	N74-33218 * #	US-PATENT-CLASS-2-167	c 54	N84-28484 * #	US-PATENT-CLASS-204-180G	c 25	N79-14169 * #
US-PATENT-CLASS-181-33HC	c 07	N76-18117 * #	US-PATENT-CLASS-2-2 1A	c 05	N72-22092 * #	US-PATENT-CLASS-204-180G	c 37	N80-14397 * #
US-PATENT-CLASS-181-33H	c 07	N74-32418 * #	US-PATENT-CLASS-2-2 1A	c 05	N73-25125 * #	US-PATENT-CLASS-204-180P	c 54	N78-14784 * #
US-PATENT-CLASS-181-33L	c 07	N74-32418 * #	US-PATENT-CLASS-2-2 1A	c 05	N73-32012 * #	US-PATENT-CLASS-204-180R	c 25	N74-26948 * #
US-PATENT-CLASS-181-42	c 07	N74-32418 * #	US-PATENT-CLASS-2-2 1A	c 54	N74-32546 * #	US-PATENT-CLASS-204-180R	c 34	N74-27744 * #
US-PATENT-CLASS-181-43	c 07	N74-15453 * #	US-PATENT-CLASS-2-2 1A	c 54	N77-32721 * #	US-PATENT-CLASS-204-180R	c 51	N80-16715 * #
US-PATENT-CLASS-181-52	c 28	N70-41582 * #	US-PATENT-CLASS-2-2 1A	c 54	N78-17675 * #	US-PATENT-CLASS-204-180S	c 25	N79-10163 * #
US-PATENT-CLASS-182-10	c 15	N71-27067 *	US-PATENT-CLASS-2-2 1A	c 54	N78-31735 * #	US-PATENT-CLASS-204-180S	c 25	N79-14169 * #
US-PATENT-CLASS-182-178	c 39	N76-31562 * #	US-PATENT-CLASS-2-2 1A	c 54	N78-31736 * #	US-PATENT-CLASS-204-192C	c 76	N79-14906 * #
US-PATENT-CLASS-182-191	c 05	N71-11199 * #	US-PATENT-CLASS-2-2 1A	c 54	N79-24651 * #	US-PATENT-CLASS-204-192C	c 26	N82-29415 * #
US-PATENT-CLASS-182-5	c 15	N73-25512 * #	US-PATENT-CLASS-2-2 1	c 05	N71-11194 * #	US-PATENT-CLASS-204-192C	c 26	N82-30371 * #
US-PATENT-CLASS-182-62 5	c 31	N81-27324 * #	US-PATENT-CLASS-2-2 1	c 05	N71-11195 * #	US-PATENT-CLASS-204-192C	c 24	N84-22695 * #
US-PATENT-CLASS-184-1	c 15	N71-23048 *	US-PATENT-CLASS-2-2 1	c 05	N71-12335 * #	US-PATENT-CLASS-204-192C	c 31	N85-20153 * #
US-PATENT-CLASS-185-38	c 37	N78-16369 * #	US-PATENT-CLASS-2-2 1	c 05	N71-12344 * #	US-PATENT-CLASS-204-192C	c 24	N85-21267 * #
US-PATENT-CLASS-187-1	c 15	N72-25453 * #	US-PATENT-CLASS-2-2 1	c 05	N71-23161 *	US-PATENT-CLASS-204-192C	c 76	N85-33826 * #
US-PATENT-CLASS-187-20	c 15	N72-25453 * #	US-PATENT-CLASS-2-2 1	c 05	N71-24623 *	US-PATENT-CLASS-204-192EC	c 27	N82-28440 * #

US-PATENT-CLASS-204-192P	c 76	N85-33826 *	#	US-PATENT-CLASS-204-9	c 20	N74-32919 *	#	US-PATENT-CLASS-214-1CM	c 54	N75-27758 *	#
US-PATENT-CLASS-204-192R	c 24	N84-22695 *	#	US-PATENT-CLASS-204-9	c 24	N77-19171 *	#	US-PATENT-CLASS-214-1CM	c 37	N77-23483 *	#
US-PATENT-CLASS-204-192R	c 31	N85-20153 *	#	US-PATENT-CLASS-2041-195B	c 25	N79-22235 *	#	US-PATENT-CLASS-214-1CM	c 54	N77-32721 *	#
US-PATENT-CLASS-204-192R	c 24	N85-21267 *	#	US-PATENT-CLASS-205-343	c 35	N75-30502 *	#	US-PATENT-CLASS-214-1CM	c 54	N78-17676 *	#
US-PATENT-CLASS-204-192SP	c 24	N84-22695 *	#	US-PATENT-CLASS-206-439	c 52	N79-14749 *	#	US-PATENT-CLASS-214-1R	c 37	N76-15457 *	#
US-PATENT-CLASS-204-192SP	c 31	N85-20153 *	#	US-PATENT-CLASS-206-447	c 27	N84-14323 *	#	US-PATENT-CLASS-214-16 CB	c 37	N77-22480 *	#
US-PATENT-CLASS-204-192	c 15	N73-12487 *	#	US-PATENT-CLASS-206-582	c 27	N84-14323 *	#	US-PATENT-CLASS-214-1	c 32	N70-41367 *	#
US-PATENT-CLASS-204-192	c 17	N73-24569 *	#	US-PATENT-CLASS-208-10	c 25	N79-11152 *	#	US-PATENT-CLASS-214-90R	c 03	N72-25021 *	#
US-PATENT-CLASS-204-192	c 27	N74-13270 *	#	US-PATENT-CLASS-208-10	c 23	N84-16255 *	#	US-PATENT-CLASS-215-247	c 33	N76-19339 *	#
US-PATENT-CLASS-204-192	c 20	N74-31269 *	#	US-PATENT-CLASS-208-10	c 25	N84-22709 *	#	US-PATENT-CLASS-219-10 41	c 33	N82-26571 *	#
US-PATENT-CLASS-204-192	c 37	N75-19684 *	#	US-PATENT-CLASS-208-241	c 25	N82-23282 *	#	US-PATENT-CLASS-219-10 43	c 31	N85-29083 *	#
US-PATENT-CLASS-204-192	c 44	N77-14580 *	#	US-PATENT-CLASS-208-8LE	c 23	N84-16255 *	#	US-PATENT-CLASS-219-10 49R	c 33	N81-19389 *	#
US-PATENT-CLASS-204-195B	c 25	N79-24073 *	#	US-PATENT-CLASS-208-8LE	c 25	N84-22709 *	#	US-PATENT-CLASS-219-10 49	c 11	N71-15925 *	#
US-PATENT-CLASS-204-195B	c 51	N80-27067 *	#	US-PATENT-CLASS-208-8	c 25	N79-11152 *	#	US-PATENT-CLASS-219-10 49	c 31	N85-29083 *	#
US-PATENT-CLASS-204-195B	c 51	N81-28698 *	#	US-PATENT-CLASS-209-10	c 15	N71-20440 *	#	US-PATENT-CLASS-219-10 53	c 33	N82-26571 *	#
US-PATENT-CLASS-204-195B	c 35	N82-28604 *	#	US-PATENT-CLASS-209-127R	c 35	N76-22509 *	#	US-PATENT-CLASS-219-10 53	c 31	N85-29083 *	#
US-PATENT-CLASS-204-195R	c 33	N76-19339 *	#	US-PATENT-CLASS-209-250	c 37	N76-18456 *	#	US-PATENT-CLASS-219-10 67	c 33	N81-19389 *	#
US-PATENT-CLASS-204-195S	c 25	N82-12166 *	#	US-PATENT-CLASS-209-300	c 37	N76-18456 *	#	US-PATENT-CLASS-219-10 77	c 31	N85-29083 *	#
US-PATENT-CLASS-204-195W	c 35	N78-25391 *	#	US-PATENT-CLASS-209-305	c 37	N76-18456 *	#	US-PATENT-CLASS-219-101	c 15	N73-14468 *	#
US-PATENT-CLASS-204-195	c 14	N71-17575 *	#	US-PATENT-CLASS-209-342	c 15	N72-22483 *	#	US-PATENT-CLASS-219-101	c 37	N74-11300 *	#
US-PATENT-CLASS-204-2 1	c 44	N81-29524 *	#	US-PATENT-CLASS-209-429	c 71	N85-30765 *	#	US-PATENT-CLASS-219-107	c 15	N73-28515 *	#
US-PATENT-CLASS-204-20	c 18	N71-16210 *	#	US-PATENT-CLASS-209-638	c 71	N85-30765 *	#	US-PATENT-CLASS-219-107	c 37	N74-11300 *	#
US-PATENT-CLASS-204-222	c 31	N74-23065 *	#	US-PATENT-CLASS-21-207	c 17	N71-16393 *	#	US-PATENT-CLASS-219-109	c 15	N72-23497 *	#
US-PATENT-CLASS-204-224	c 37	N80-14395 *	#	US-PATENT-CLASS-210-DIG 23	c 52	N79-14749 *	#	US-PATENT-CLASS-219-117	c 15	N73-32358 *	#
US-PATENT-CLASS-204-242	c 33	N75-27252 *	#	US-PATENT-CLASS-210-DIG 27	c 27	N77-31308 *	#	US-PATENT-CLASS-219-118	c 37	N76-27568 *	#
US-PATENT-CLASS-204-242	c 25	N84-12262 *	#	US-PATENT-CLASS-210-103	c 05	N72-27102 *	#	US-PATENT-CLASS-219-118	c 37	N77-11397 *	#
US-PATENT-CLASS-204-252	c 28	N81-24280 *	#	US-PATENT-CLASS-210-104	c 05	N72-27102 *	#	US-PATENT-CLASS-219-119	c 15	N73-14468 *	#
US-PATENT-CLASS-204-263	c 14	N71-28933 *	#	US-PATENT-CLASS-210-108	c 34	N79-24285 *	#	US-PATENT-CLASS-219-121LN	c 44	N82-26777 *	#
US-PATENT-CLASS-204-263	c 25	N82-12166 *	#	US-PATENT-CLASS-210-110	c 05	N72-27102 *	#	US-PATENT-CLASS-219-121P	c 15	N72-32487 *	#
US-PATENT-CLASS-204-264	c 25	N82-12166 *	#	US-PATENT-CLASS-210-137	c 05	N72-27102 *	#	US-PATENT-CLASS-219-121	c 15	N69-21471 *	#
US-PATENT-CLASS-204-266	c 28	N81-24280 *	#	US-PATENT-CLASS-210-142	c 34	N79-24285 *	#	US-PATENT-CLASS-219-121	c 33	N70-34540 *	#
US-PATENT-CLASS-204-266	c 25	N82-12166 *	#	US-PATENT-CLASS-210-151	c 45	N84-12654 *	#	US-PATENT-CLASS-219-121	c 15	N71-19486 *	#
US-PATENT-CLASS-204-267	c 33	N75-27252 *	#	US-PATENT-CLASS-210-186	c 37	N80-10494 *	#	US-PATENT-CLASS-219-121	c 16	N71-20400 *	#
US-PATENT-CLASS-204-275	c 25	N82-12166 *	#	US-PATENT-CLASS-210-188	c 12	N72-25292 *	#	US-PATENT-CLASS-219-121	c 15	N71-27135 *	#
US-PATENT-CLASS-204-276	c 25	N82-12166 *	#	US-PATENT-CLASS-210-192	c 54	N78-14784 *	#	US-PATENT-CLASS-219-124 2.2	c 37	N79-10421 *	#
US-PATENT-CLASS-204-278	c 25	N82-12166 *	#	US-PATENT-CLASS-210-212	c 03	N72-20033 *	#	US-PATENT-CLASS-219-124 32	c 37	N79-10421 *	#
US-PATENT-CLASS-204-278	c 25	N84-12262 *	#	US-PATENT-CLASS-210-222	c 35	N78-12390 *	#	US-PATENT-CLASS-219-125 1	c 37	N79-10421 *	#
US-PATENT-CLASS-204-278	c 44	N84-23019 *	#	US-PATENT-CLASS-210-222	c 52	N80-14687 *	#	US-PATENT-CLASS-219-125	c 15	N71-23815 *	#
US-PATENT-CLASS-204-279	c 33	N75-27252 *	#	US-PATENT-CLASS-210-23F	c 51	N79-10693 *	#	US-PATENT-CLASS-219-125	c 37	N75-27376 *	#
US-PATENT-CLASS-204-280R	c 25	N83-13187 *	#	US-PATENT-CLASS-210-23H	c 27	N80-23452 *	#	US-PATENT-CLASS-219-130	c 15	N71-23798 *	#
US-PATENT-CLASS-204-280	c 44	N84-23019 *	#	US-PATENT-CLASS-210-234	c 34	N75-33342 *	#	US-PATENT-CLASS-219-131	c 15	N71-15871 *	#
US-PATENT-CLASS-204-286	c 33	N75-27252 *	#	US-PATENT-CLASS-210-24R	c 27	N81-14076 *	#	US-PATENT-CLASS-219-137	c 15	N70-34814 *	#
US-PATENT-CLASS-204-290F	c 28	N81-24280 *	#	US-PATENT-CLASS-210-24	c 27	N77-30236 *	#	US-PATENT-CLASS-219-137	c 37	N75-19683 *	#
US-PATENT-CLASS-204-290F	c 44	N82-29710 *	#	US-PATENT-CLASS-210-24	c 25	N81-19244 *	#	US-PATENT-CLASS-219-158	c 15	N72-22491 *	#
US-PATENT-CLASS-204-290R	c 33	N75-27252 *	#	US-PATENT-CLASS-210-259	c 34	N75-33342 *	#	US-PATENT-CLASS-219-160	c 37	N80-23655 *	#
US-PATENT-CLASS-204-290R	c 28	N81-24280 *	#	US-PATENT-CLASS-210-28	c 85	N79-17747 *	#	US-PATENT-CLASS-219-161	c 37	N80-23655 *	#
US-PATENT-CLASS-204-290R	c 44	N82-29710 *	#	US-PATENT-CLASS-210-304	c 34	N75-33342 *	#	US-PATENT-CLASS-219-19	c 33	N70-34812 *	#
US-PATENT-CLASS-204-290R	c 25	N84-12262 *	#	US-PATENT-CLASS-210-314	c 28	N70-41447 *	#	US-PATENT-CLASS-219-201	c 52	N80-16725 *	#
US-PATENT-CLASS-204-290	c 44	N84-28205 *	#	US-PATENT-CLASS-210-321 1	c 25	N82-21269 *	#	US-PATENT-CLASS-219-201	c 37	N85-29286 *	#
US-PATENT-CLASS-204-291	c 28	N81-24280 *	#	US-PATENT-CLASS-210-321B	c 52	N80-14687 *	#	US-PATENT-CLASS-219-203	c 11	N73-12265 *	#
US-PATENT-CLASS-204-292	c 25	N78-10225 *	#	US-PATENT-CLASS-210-333	c 34	N75-33342 *	#	US-PATENT-CLASS-219-203	c 27	N84-33589 *	#
US-PATENT-CLASS-204-298	c 15	N70-34967 *	#	US-PATENT-CLASS-210-340	c 34	N75-33342 *	#	US-PATENT-CLASS-219-209	c 35	N81-26431 *	#
US-PATENT-CLASS-204-298	c 09	N71-26701 *	#	US-PATENT-CLASS-210-340	c 37	N80-10494 *	#	US-PATENT-CLASS-219-210	c 35	N81-26431 *	#
US-PATENT-CLASS-204-298	c 15	N72-32487 *	#	US-PATENT-CLASS-210-40	c 27	N77-31308 *	#	US-PATENT-CLASS-219-216	c 35	N74-15831 *	#
US-PATENT-CLASS-204-298	c 37	N75-19684 *	#	US-PATENT-CLASS-210-40	c 85	N79-17747 *	#	US-PATENT-CLASS-219-219	c 27	N84-33589 *	#
US-PATENT-CLASS-204-299R	c 25	N78-14104 *	#	US-PATENT-CLASS-210-40	c 45	N82-11634 *	#	US-PATENT-CLASS-219-221	c 15	N72-11392 *	#
US-PATENT-CLASS-204-299R	c 25	N79-14169 *	#	US-PATENT-CLASS-210-411	c 34	N75-33342 *	#	US-PATENT-CLASS-219-221	c 37	N85-29286 *	#
US-PATENT-CLASS-204-299R	c 37	N80-14397 *	#	US-PATENT-CLASS-210-425	c 34	N75-33342 *	#	US-PATENT-CLASS-219-229	c 15	N71-27214 *	#
US-PATENT-CLASS-204-299R	c 51	N80-16715 *	#	US-PATENT-CLASS-210-429	c 37	N76-14463 *	#	US-PATENT-CLASS-219-234	c 15	N72-22491 *	#
US-PATENT-CLASS-204-299R	c 25	N83-10126 *	#	US-PATENT-CLASS-210-433M	c 51	N79-10693 *	#	US-PATENT-CLASS-219-234	c 15	N72-23497 *	#
US-PATENT-CLASS-204-299R	c 25	N83-13187 *	#	US-PATENT-CLASS-210-445	c 15	N72-11389 *	#	US-PATENT-CLASS-219-243	c 15	N72-11392 *	#
US-PATENT-CLASS-204-299	c 34	N74-27744 *	#	US-PATENT-CLASS-210-445	c 85	N79-17747 *	#	US-PATENT-CLASS-219-273	c 15	N72-32487 *	#
US-PATENT-CLASS-204-299	c 25	N79-10163 *	#	US-PATENT-CLASS-210-500M	c 27	N80-23452 *	#	US-PATENT-CLASS-219-275	c 15	N71-20395 *	#
US-PATENT-CLASS-204-301	c 54	N78-14784 *	#	US-PATENT-CLASS-210-500M	c 25	N81-17187 *	#	US-PATENT-CLASS-219-285	c 37	N85-29286 *	#
US-PATENT-CLASS-204-305	c 03	N71-24718 *	#	US-PATENT-CLASS-210-500	c 25	N75-12087 *	#	US-PATENT-CLASS-219-289	c 51	N79-10694 *	#
US-PATENT-CLASS-204-30	c 09	N71-28691 *	#	US-PATENT-CLASS-210-50	c 45	N79-12584 *	#	US-PATENT-CLASS-219-300	c 37	N77-13418 *	#
US-PATENT-CLASS-204-32A	c 33	N77-26385 *	#	US-PATENT-CLASS-210-512	c 34	N75-33342 *	#	US-PATENT-CLASS-219-302	c 51	N79-10694 *	#
US-PATENT-CLASS-204-32R	c 44	N76-14595 *	#	US-PATENT-CLASS-210-54	c 85	N79-17747 *	#	US-PATENT-CLASS-219-304	c 37	N77-13418 *	#
US-PATENT-CLASS-204-324	c 33	N73-16918 *	#	US-PATENT-CLASS-210-57	c 45	N80-14579 *	#	US-PATENT-CLASS-219-343	c 27	N83-36220 *	#
US-PATENT-CLASS-204-325	c 33	N73-16918 *	#	US-PATENT-CLASS-210-602	c 45	N84-12654 *	#	US-PATENT-CLASS-219-347	c 15	N69-27871 *	#
US-PATENT-CLASS-204-328	c 33	N73-16918 *	#	US-PATENT-CLASS-210-605	c 45	N84-12654 *	#	US-PATENT-CLASS-219-347	c 33	N70-34545 *	#
US-PATENT-CLASS-204-32	c 44	N79-11469 *	#	US-PATENT-CLASS-210-60	c 45	N79-12584 *	#	US-PATENT-CLASS-219-348	c 15	N73-27405 *	#
US-PATENT-CLASS-204-33	c 17	N71-25903 *	#	US-PATENT-CLASS-210-617	c 45	N84-12654 *	#	US-PATENT-CLASS-219-34	c 09	N70-33312 *	#
US-PATENT-CLASS-204-33	c 44	N76-14595 *	#	US-PATENT-CLASS-210-63R	c 25	N78-10225 *	#	US-PATENT-CLASS-219-354	c 27	N83-36220 *	#
US-PATENT-CLASS-204-33	c 44	N79-11469 *	#	US-PATENT-CLASS-210-63R	c 45	N79-12584 *	#	US-PATENT-CLASS-219-364	c 33	N71-16278 *	#
US-PATENT-CLASS-204-33	c 44	N83-34449 *	#	US-PATENT-CLASS-210-63Z	c 45	N80-14579 *	#	US-PATENT-CLASS-219-378	c 33	N71-25353 *	#
US-PATENT-CLASS-204-35N	c 27	N83-29388 *	#	US-PATENT-CLASS-210-66	c 85	N79-17747 *	#	US-PATENT-CLASS-219-388	c 35	N74-15831 *	#
US-PATENT-CLASS-204-35N	c 44	N83-34449 *	#	US-PATENT-CLASS-210-67	c 85	N79-17747 *	#	US-PATENT-CLASS-219-390	c 27	N83-36220 *	#
US-PATENT-CLASS-204-37 6	c 76	N84-35112 *	#	US-PATENT-CLASS-210-70	c 85	N79-17747 *	#	US-PATENT-CLASS-219-410	c 12	N79-26075 *	#
US-PATENT-CLASS-204-37R	c 44	N79-11469 *	#	US-PATENT-CLASS-21							

US-PATENT-CLASS-219-543	c 27	N84-33589 * #	US-PATENT-CLASS-228-193	c 35	N83-35338 * #	US-PATENT-CLASS-23-281	c 44	N77-22607 * #
US-PATENT-CLASS-219-545	c 33	N82-26571 * #	US-PATENT-CLASS-228-194	c 26	N77-28265 * #	US-PATENT-CLASS-23-284	c 35	N74-15127 * #
US-PATENT-CLASS-219-62	c 15	N73-28515 * #	US-PATENT-CLASS-228-1	c 37	N75-25185 * #	US-PATENT-CLASS-23-288F	c 25	N74-12813 * #
US-PATENT-CLASS-219-72	c 15	N71-14932 * #	US-PATENT-CLASS-228-2	c 37	N79-13364 * #	US-PATENT-CLASS-23-288J	c 25	N74-12813 * #
US-PATENT-CLASS-219-76 14	c 24	N85-30027 * #	US-PATENT-CLASS-228-205	c 37	N81-19455 * #	US-PATENT-CLASS-23-288R	c 28	N80-10374 * #
US-PATENT-CLASS-219-78	c 37	N74-11300 * #	US-PATENT-CLASS-228-206	c 37	N76-18455 * #	US-PATENT-CLASS-23-288	c 28	N72-18766 * #
US-PATENT-CLASS-219-85CA	c 35	N80-20560 * #	US-PATENT-CLASS-228-212	c 37	N80-23655 * #	US-PATENT-CLASS-23-292	c 51	N77-27677 * #
US-PATENT-CLASS-219-85CM	c 35	N80-20560 * #	US-PATENT-CLASS-228-214	c 24	N84-11214 * #	US-PATENT-CLASS-23-293R	c 28	N81-15119 * #
US-PATENT-CLASS-219-85R	c 35	N80-20560 * #	US-PATENT-CLASS-228-222	c 37	N76-18455 * #	US-PATENT-CLASS-23-295R	c 28	N85-29800 * #
US-PATENT-CLASS-219-85	c 15	N72-22491 * #	US-PATENT-CLASS-228-232	c 26	N80-23655 * #	US-PATENT-CLASS-23-300	c 28	N80-23471 * #
US-PATENT-CLASS-219-85	c 15	N72-23497 * #	US-PATENT-CLASS-228-238	c 37	N77-28265 * #	US-PATENT-CLASS-23-302A	c 28	N80-23471 * #
US-PATENT-CLASS-219-91	c 15	N71-18613 * #	US-PATENT-CLASS-228-263	c 35	N76-18455 * #	US-PATENT-CLASS-23-302R	c 28	N80-23471 * #
US-PATENT-CLASS-219-91	c 15	N73-32358 * #	US-PATENT-CLASS-228-263 18	c 35	N83-35338 * #	US-PATENT-CLASS-23-302T	c 28	N80-23471 * #
US-PATENT-CLASS-219-92	c 37	N76-27568 * #	US-PATENT-CLASS-228-263	c 26	N77-29260 * #	US-PATENT-CLASS-23-313R	c 71	N85-22104 * #
US-PATENT-CLASS-219-92	c 37	N77-11397 * #	US-PATENT-CLASS-228-44 1R	c 37	N80-23655 * #	US-PATENT-CLASS-23-55	c 06	N72-17093 * #
US-PATENT-CLASS-22-200	c 15	N71-15966 * #	US-PATENT-CLASS-228-50	c 44	N79-24431 * #	US-PATENT-CLASS-23-88	c 06	N72-17093 * #
US-PATENT-CLASS-22-203	c 17	N70-38198 * #	US-PATENT-CLASS-228-50	c 15	N70-39924 * #	US-PATENT-CLASS-23-927	c 51	N80-16714 * #
US-PATENT-CLASS-220-14	c 15	N69-39935 * #	US-PATENT-CLASS-228-50	c 15	N70-40204 * #	US-PATENT-CLASS-23-97	c 06	N72-17093 * #
US-PATENT-CLASS-220-15	c 31	N71-15664 * #	US-PATENT-CLASS-228-53	c 15	N71-27214 * #	US-PATENT-CLASS-230-162	c 33	N77-17910 * #
US-PATENT-CLASS-220-15	c 34	N75-12222 * #	US-PATENT-CLASS-228-57	c 15	N72-22491 * #	US-PATENT-CLASS-230-221	c 11	N72-22245 * #
US-PATENT-CLASS-220-1	c 31	N71-17680 * #	US-PATENT-CLASS-228-6	c 44	N79-24431 * #	US-PATENT-CLASS-230-54	c 11	N72-22245 * #
US-PATENT-CLASS-220-2 2	c 24	N79-25143 * #	US-PATENT-CLASS-228-7	c 15	N71-15607 * #	US-PATENT-CLASS-233-DIG 1	c 34	N75-26282 * #
US-PATENT-CLASS-220-266	c 37	N79-22474 * #	US-PATENT-CLASS-228-8	c 15	N71-23050 * #	US-PATENT-CLASS-233-11	c 15	N71-16079 * #
US-PATENT-CLASS-220-306	c 27	N84-27886 * #	US-PATENT-CLASS-228-8	c 37	N79-10421 * #	US-PATENT-CLASS-233-20RP	c 34	N75-26282 * #
US-PATENT-CLASS-220-335	c 45	N83-25217 * #	US-PATENT-CLASS-228-9	c 15	N71-20393 * #	US-PATENT-CLASS-233-25	c 34	N75-26282 * #
US-PATENT-CLASS-220-378	c 37	N82-24490 * #	US-PATENT-CLASS-229-DIG 11	c 32	N73-13921 * #	US-PATENT-CLASS-233-46	c 34	N75-26282 * #
US-PATENT-CLASS-220-423	c 37	N80-18393 * #	US-PATENT-CLASS-23-109	c 04	N72-33072 * #	US-PATENT-CLASS-233-6	c 34	N75-26282 * #
US-PATENT-CLASS-220-429	c 44	N80-20808 * #	US-PATENT-CLASS-23-201	c 06	N72-17095 * #	US-PATENT-CLASS-235 150 27	c 04	N74-13420 * #
US-PATENT-CLASS-220-445	c 37	N80-18393 * #	US-PATENT-CLASS-23-208	c 15	N69-21922 * #	US-PATENT-CLASS-235-10 2	c 08	N73-25206 * #
US-PATENT-CLASS-220-46	c 15	N71-27068 * #	US-PATENT-CLASS-23-208	c 26	N70-36805 * #	US-PATENT-CLASS-235-150 2	c 08	N71-29033 * #
US-PATENT-CLASS-220-5R	c 15	N72-22486 * #	US-PATENT-CLASS-23-209 1	c 15	N72-20446 * #	US-PATENT-CLASS-235-150 1	c 08	N72-31226 * #
US-PATENT-CLASS-220-55	c 15	N69-27502 * #	US-PATENT-CLASS-23-230B	c 23	N75-14844 * #	US-PATENT-CLASS-235-150 1	c 32	N77-10392 * #
US-PATENT-CLASS-220-63	c 11	N70-38182 * #	US-PATENT-CLASS-23-230B	c 25	N77-17161 * #	US-PATENT-CLASS-235-150 22	c 02	N71-13421 * #
US-PATENT-CLASS-220-67	c 15	N71-10577 * #	US-PATENT-CLASS-23-230B	c 25	N79-14169 * #	US-PATENT-CLASS-235-150 22	c 04	N74-13420 * #
US-PATENT-CLASS-220-82R	c 31	N81-19343 * #	US-PATENT-CLASS-23-230B	c 51	N80-27067 * #	US-PATENT-CLASS-235-150 25	c 21	N71-21688 * #
US-PATENT-CLASS-220-89A	c 31	N81-19343 * #	US-PATENT-CLASS-23-230L	c 35	N74-32879 * #	US-PATENT-CLASS-235-150 25	c 35	N77-20399 * #
US-PATENT-CLASS-220-89	c 11	N71-15960 * #	US-PATENT-CLASS-23-230M	c 25	N76-18245 * #	US-PATENT-CLASS-235-150 26	c 04	N74-13420 * #
US-PATENT-CLASS-220-89	c 11	N71-17600 * #	US-PATENT-CLASS-23-230M	c 23	N77-17161 * #	US-PATENT-CLASS-235-150 27	c 08	N71-29033 * #
US-PATENT-CLASS-220-901	c 37	N80-18393 * #	US-PATENT-CLASS-23-230PC	c 25	N78-15210 * #	US-PATENT-CLASS-235-150 2	c 08	N71-29033 * #
US-PATENT-CLASS-220-9	c 23	N71-22881 * #	US-PATENT-CLASS-23-230PC	c 25	N82-12166 * #	US-PATENT-CLASS-235-150 2	c 35	N77-20399 * #
US-PATENT-CLASS-220-9	c 18	N71-23658 * #	US-PATENT-CLASS-23-230R	c 06	N72-17094 * #	US-PATENT-CLASS-235-150 3	c 33	N74-10223 * #
US-PATENT-CLASS-220-9	c 15	N71-23816 * #	US-PATENT-CLASS-23-230R	c 17	N73-12547 * #	US-PATENT-CLASS-235-150 52	c 08	N72-22165 * #
US-PATENT-CLASS-220-9	c 33	N71-25351 * #	US-PATENT-CLASS-23-230R	c 17	N73-27446 * #	US-PATENT-CLASS-235-150 53	c 08	N72-22165 * #
US-PATENT-CLASS-221-265	c 51	N74-15778 * #	US-PATENT-CLASS-23-230R	c 25	N76-18245 * #	US-PATENT-CLASS-235-150 53	c 07	N73-13149 * #
US-PATENT-CLASS-222-131	c 31	N79-21225 * #	US-PATENT-CLASS-23-230R	c 45	N76-18245 * #	US-PATENT-CLASS-235-150 53	c 33	N75-26243 * #
US-PATENT-CLASS-222-135	c 15	N72-21465 * #	US-PATENT-CLASS-23-230R	c 23	N77-17161 * #	US-PATENT-CLASS-235-151 13	c 25	N76-18245 * #
US-PATENT-CLASS-222-137	c 14	N71-27005 * #	US-PATENT-CLASS-23-230	c 06	N71-23527 * #	US-PATENT-CLASS-235-151 1	c 08	N71-29033 * #
US-PATENT-CLASS-222-145	c 37	N76-19436 * #	US-PATENT-CLASS-23-231	c 06	N72-17095 * #	US-PATENT-CLASS-235-151 1	c 08	N72-31226 * #
US-PATENT-CLASS-222-193	c 37	N74-13178 * #	US-PATENT-CLASS-23-231	c 23	N77-17161 * #	US-PATENT-CLASS-235-151 27	c 08	N73-25206 * #
US-PATENT-CLASS-222-309	c 15	N72-21465 * #	US-PATENT-CLASS-23-232C	c 06	N72-17094 * #	US-PATENT-CLASS-235-151 31	c 10	N73-25240 * #
US-PATENT-CLASS-222-309	c 54	N74-12779 * #	US-PATENT-CLASS-23-232C	c 25	N76-18245 * #	US-PATENT-CLASS-235-151 34	c 35	N76-14431 * #
US-PATENT-CLASS-222-309	c 35	N85-21595 * #	US-PATENT-CLASS-23-232C	c 23	N77-17161 * #	US-PATENT-CLASS-235-151 3	c 52	N74-22771 * #
US-PATENT-CLASS-222-324	c 54	N74-17853 * #	US-PATENT-CLASS-23-232E	c 06	N73-16106 * #	US-PATENT-CLASS-235-151 3	c 38	N78-17395 * #
US-PATENT-CLASS-222-340	c 54	N74-12779 * #	US-PATENT-CLASS-23-232E	c 45	N76-31714 * #	US-PATENT-CLASS-235-151 3	c 38	N78-17396 * #
US-PATENT-CLASS-222-340	c 35	N85-21595 * #	US-PATENT-CLASS-23-232E	c 25	N78-15210 * #	US-PATENT-CLASS-235-151 3	c 37	N74-21056 * #
US-PATENT-CLASS-222-387	c 54	N74-12779 * #	US-PATENT-CLASS-23-232E	c 25	N82-12166 * #	US-PATENT-CLASS-235-152IE	c 08	N73-32081 * #
US-PATENT-CLASS-222-389	c 15	N70-38996 * #	US-PATENT-CLASS-23-232R	c 06	N73-16106 * #	US-PATENT-CLASS-235-152	c 07	N71-24741 * #
US-PATENT-CLASS-222-414	c 14	N73-27378 * #	US-PATENT-CLASS-23-232R	c 45	N76-31714 * #	US-PATENT-CLASS-235-152	c 08	N72-20176 * #
US-PATENT-CLASS-222-43	c 35	N85-21595 * #	US-PATENT-CLASS-23-232R	c 23	N77-17161 * #	US-PATENT-CLASS-235-152	c 08	N72-22167 * #
US-PATENT-CLASS-222-45	c 14	N70-40233 * #	US-PATENT-CLASS-23-232R	c 25	N78-15210 * #	US-PATENT-CLASS-235-152	c 08	N72-25210 * #
US-PATENT-CLASS-222-48	c 35	N85-21595 * #	US-PATENT-CLASS-23-252R	c 25	N74-12813 * #	US-PATENT-CLASS-235-152	c 08	N73-12175 * #
US-PATENT-CLASS-222-49	c 14	N71-27005 * #	US-PATENT-CLASS-23-252R	c 25	N79-10162 * #	US-PATENT-CLASS-235-152	c 09	N73-13209 * #
US-PATENT-CLASS-222-514	c 54	N74-12779 * #	US-PATENT-CLASS-23-253A	c 25	N79-28253 * #	US-PATENT-CLASS-235-152	c 08	N73-26175 * #
US-PATENT-CLASS-222-61	c 27	N71-29155 * #	US-PATENT-CLASS-23-253A	c 51	N77-27677 * #	US-PATENT-CLASS-235-152	c 60	N77-14751 * #
US-PATENT-CLASS-222-61	c 37	N77-28487 * #	US-PATENT-CLASS-23-253A	c 54	N78-14784 * #	US-PATENT-CLASS-235-153AE	c 60	N76-21914 * #
US-PATENT-CLASS-222-71	c 15	N72-21465 * #	US-PATENT-CLASS-23-253PC	c 06	N72-17094 * #	US-PATENT-CLASS-235-153AK	c 62	N74-14920 * #
US-PATENT-CLASS-222-95	c 37	N77-28487 * #	US-PATENT-CLASS-23-253PC	c 37	N74-18123 * #	US-PATENT-CLASS-235-153	c 08	N71-24633 * #
US-PATENT-CLASS-224-25A	c 05	N72-23085 * #	US-PATENT-CLASS-23-253R	c 15	N72-21465 * #	US-PATENT-CLASS-235-154	c 08	N72-22166 * #
US-PATENT-CLASS-224-25	c 05	N71-12351 * #	US-PATENT-CLASS-23-253R	c 25	N75-14844 * #	US-PATENT-CLASS-235-154	c 08	N70-34778 * #
US-PATENT-CLASS-224-444	c 54	N74-17853 * #	US-PATENT-CLASS-23-253R	c 25	N76-18245 * #	US-PATENT-CLASS-235-154	c 10	N71-23662 * #
US-PATENT-CLASS-225-103	c 37	N82-32730 * #	US-PATENT-CLASS-23-253	c 23	N71-16355 * #	US-PATENT-CLASS-235-154	c 08	N72-18184 * #
US-PATENT-CLASS-225-1	c 15	N71-17628 * #	US-PATENT-CLASS-23-253	c 06	N71-26754 * #	US-PATENT-CLASS-235-154	c 08	N72-25206 * #
US-PATENT-CLASS-225-2	c 26	N71-14354 * #	US-PATENT-CLASS-23-253	c 06	N72-17095 * #	US-PATENT-CLASS-235-155	c 08	N71-24890 * #
US-PATENT-CLASS-226-190	c 08	N71-19420 * #	US-PATENT-CLASS-23-254EF	c 35	N76-18403 * #	US-PATENT-CLASS-235-155	c 08	N72-21197 * #
US-PATENT-CLASS-226-58	c 14	N71-28935 * #	US-PATENT-CLASS-23-254E	c 06	N73-16106 * #	US-PATENT-CLASS-235-155	c 08	N73-12176 * #
US-PATENT-CLASS-228-103	c 35	N83-35338 * #	US-PATENT-CLASS-23-254E	c 33	N75-26245 * #	US-PATENT-CLASS-235-156	c 08	N71-18693 * #
US-PATENT-CLASS-228-107	c 37	N79-13364 * #	US-PATENT-CLASS-23-254E	c 35	N75-29380 * #	US-PATENT-CLASS-235-156	c 60	N75-13539 * #
US-PATENT-CLASS-228-116	c 37	N81-19455 * #	US-PATENT-CLASS-23-254R	c 45	N76-1742 * #	US-PATENT-CLASS-235-156	c 32	N76-21366 * #
US-PATENT-CLASS-228-118	c 24	N81-17170 * #	US-PATENT-CLASS-23-254R	c 06	N73-16106 * #	US-PATENT-CLASS-235-156	c 32	N77-10392 * #
US-PATENT-CLASS-228-118	c 24	N81-26179 * #	US-PATENT-CLASS-23-254R	c 25	N76-18245 * #	US-PATENT-CLASS-235-156	c 38	N78-17395 * #
US-PATENT-CLASS-228-124	c 26	N77-29260 * #	US-PATENT-CLASS-23-254R	c 23	N77-17161 * #	US-PATENT-CLASS-235-156	c 38	N78-17396 * #
US-PATENT-CLASS-228-13	c 18	N79-11108 * #	US-PATENT-CLASS-23-254	c 14	N71-20442 * #	US-PATENT-CLASS-235-158	c 08	N71-19437 * #
US-PATENT-CLASS-228-15 1	c 18	N79-11108 * #	US-PATENT-CLASS-23-255E	c 35	N75-29380 * #	US-PATENT-CLASS-235-164	c 08	N71-33110 * #
US-PATENT-CLASS-228-157	c 24	N82-24296 * #	US-PATENT-CLASS-23-255R	c 25	N76-18245 * #	US-PATENT-CLASS-235-164	c 08	N73-26175 * #
US-PATENT-CLASS-228-157	c 24	N84-11214 * #	US-PATENT-CLASS-23-259	c 15	N71-27372 * #	US-PATENT-CLASS-235-164	c 60	N74-20836 * #
US-PATENT-CLASS-228-165	c 35	N84-22930 * #	US-PATENT-CLASS-23-259	c 15	N72-21465 * #	US-PATENT-CLASS-235-175	c 08	N71-18602 * #
US-PATENT-CLASS-228-170	c 24	N81-17170 * #	US-PATENT-CLASS-23-259					

US-PATENT-CLASS-235-186	c 10	N73-26230 #	US-PATENT-CLASS-239-288	c 37	N85-29283 #	US-PATENT-CLASS-244-115	c 18	N83-29303 #
US-PATENT-CLASS-235-194	c 09	N71-19480 #	US-PATENT-CLASS-239-302	c 37	N80-10494 #	US-PATENT-CLASS-244-117A	c 33	N73-25952 #
US-PATENT-CLASS-235-194	c 08	N72-22165 #	US-PATENT-CLASS-239-322	c 37	N85-29283 #	US-PATENT-CLASS-244-117A	c 34	N76-17317 #
US-PATENT-CLASS-235-194	c 10	N73-26230 #	US-PATENT-CLASS-239-327	c 37	N85-29283 #	US-PATENT-CLASS-244-117A	c 37	N76-19437 #
US-PATENT-CLASS-235-197	c 08	N72-22165 #	US-PATENT-CLASS-239-375	c 37	N85-29283 #	US-PATENT-CLASS-244-117A	c 34	N77-18382 #
US-PATENT-CLASS-235-197	c 09	N72-23173 #	US-PATENT-CLASS-239-402 5	c 07	N85-35195 #	US-PATENT-CLASS-244-117A	c 05	N81-26114 #
US-PATENT-CLASS-235-197	c 10	N73-20253 #	US-PATENT-CLASS-239-416	c 15	N69-23185 #	US-PATENT-CLASS-244-117A	c 27	N84-27886 #
US-PATENT-CLASS-235-197	c 10	N73-26230 #	US-PATENT-CLASS-239-416	c 15	N71-17654 #	US-PATENT-CLASS-244-117	c 31	N70-33242 #
US-PATENT-CLASS-235-197	c 60	N75-13539 #	US-PATENT-CLASS-239-418	c 28	N72-23809 #	US-PATENT-CLASS-244-117	c 33	N72-17947 #
US-PATENT-CLASS-235-201	c 10	N71-25899 #	US-PATENT-CLASS-239-424	c 15	N72-25455 #	US-PATENT-CLASS-244-118 1	c 08	N82-32373 #
US-PATENT-CLASS-235-61 6	c 01	N71-13411 #	US-PATENT-CLASS-239-426	c 34	N84-12406 #	US-PATENT-CLASS-244-118 1	c 18	N85-29991 #
US-PATENT-CLASS-235-61 6	c 15	N71-21179 #	US-PATENT-CLASS-239-433	c 28	N72-23809 #	US-PATENT-CLASS-244-118 1	c 37	N85-34401 #
US-PATENT-CLASS-235-61NV	c 08	N72-11172 #	US-PATENT-CLASS-239-499	c 34	N82-13376 #	US-PATENT-CLASS-244-119	c 02	N81-14968 #
US-PATENT-CLASS-235-61NV	c 35	N76-29552 #	US-PATENT-CLASS-239-543	c 28	N72-23809 #	US-PATENT-CLASS-244-119	c 24	N82-24296 #
US-PATENT-CLASS-235-70	c 04	N78-17031 #	US-PATENT-CLASS-239-562	c 43	N81-26509 #	US-PATENT-CLASS-244-119	c 24	N82-26384 #
US-PATENT-CLASS-235-78M	c 35	N76-29552 #	US-PATENT-CLASS-239-568	c 37	N84-16561 #	US-PATENT-CLASS-244-119	c 24	N84-11214 #
US-PATENT-CLASS-235-88M	c 35	N76-29552 #	US-PATENT-CLASS-239-589	c 34	N82-13376 #	US-PATENT-CLASS-244-12 5	c 08	N81-19130 #
US-PATENT-CLASS-235-92CA	c 33	N74-10223 #	US-PATENT-CLASS-239-590	c 37	N85-29283 #	US-PATENT-CLASS-244-121	c 27	N79-12221 #
US-PATENT-CLASS-235-92CA	c 38	N77-17495 #	US-PATENT-CLASS-239-591	c 43	N81-26509 #	US-PATENT-CLASS-244-121	c 24	N79-25142 #
US-PATENT-CLASS-235-92CC	c 08	N72-20176 #	US-PATENT-CLASS-239-601	c 34	N82-13376 #	US-PATENT-CLASS-244-121	c 15	N79-26100 #
US-PATENT-CLASS-235-92CT	c 38	N77-17495 #	US-PATENT-CLASS-239-690	c 28	N82-18401 #	US-PATENT-CLASS-244-121	c 27	N82-24339 #
US-PATENT-CLASS-235-92CV	c 08	N73-25206 #	US-PATENT-CLASS-24-126	c 15	N71-22994 #	US-PATENT-CLASS-244-121	c 27	N82-29456 #
US-PATENT-CLASS-235-92DE	c 08	N72-20176 #	US-PATENT-CLASS-24-134R	c 15	N73-25512 #	US-PATENT-CLASS-244-122	c 05	N71-20718 #
US-PATENT-CLASS-235-92DM	c 08	N72-20176 #	US-PATENT-CLASS-24-205 17M	c 15	N71-25975 #	US-PATENT-CLASS-244-123	c 24	N77-28225 #
US-PATENT-CLASS-235-92DM	c 33	N74-10223 #	US-PATENT-CLASS-24-211N	c 15	N72-11385 #	US-PATENT-CLASS-244-123	c 24	N82-24296 #
US-PATENT-CLASS-235-92DM	c 33	N75-19519 #	US-PATENT-CLASS-24-211	c 15	N71-17653 #	US-PATENT-CLASS-244-123	c 24	N82-26384 #
US-PATENT-CLASS-235-92DN	c 08	N73-25206 #	US-PATENT-CLASS-24-214	c 31	N83-31895 #	US-PATENT-CLASS-244-123	c 24	N84-11214 #
US-PATENT-CLASS-235-92DN	c 38	N77-17495 #	US-PATENT-CLASS-24-263	c 15	N71-21076 #	US-PATENT-CLASS-244-127	c 34	N74-23039 #
US-PATENT-CLASS-235-92EA	c 08	N73-25206 #	US-PATENT-CLASS-24-263	c 15	N71-26162 #	US-PATENT-CLASS-244-12	c 02	N70-33332 #
US-PATENT-CLASS-235-92EV	c 08	N73-25206 #	US-PATENT-CLASS-24-304	c 27	N85-20125 #	US-PATENT-CLASS-244-130	c 02	N77-10001 #
US-PATENT-CLASS-235-92FQ	c 08	N73-20217 #	US-PATENT-CLASS-24-447	c 27	N85-20125 #	US-PATENT-CLASS-244-130	c 02	N81-14968 #
US-PATENT-CLASS-235-92LG	c 08	N72-20176 #	US-PATENT-CLASS-24-450	c 27	N85-20125 #	US-PATENT-CLASS-244-130	c 37	N81-24443 #
US-PATENT-CLASS-235-92LG	c 33	N75-19519 #	US-PATENT-CLASS-24-560	c 52	N84-28388 #	US-PATENT-CLASS-244-132	c 24	N82-26384 #
US-PATENT-CLASS-235-92MT	c 08	N72-31226 #	US-PATENT-CLASS-24-693	c 27	N85-20125 #	US-PATENT-CLASS-244-132	c 34	N82-32417 #
US-PATENT-CLASS-235-92MT	c 32	N73-26910 #	US-PATENT-CLASS-240-1 2	c 11	N70-33329 #	US-PATENT-CLASS-244-135R	c 24	N76-17317 #
US-PATENT-CLASS-235-92PC	c 35	N82-11431 #	US-PATENT-CLASS-240-11 2	c 09	N71-26787 #	US-PATENT-CLASS-244-135R	c 20	N80-10278 #
US-PATENT-CLASS-235-92PE	c 37	N74-21056 #	US-PATENT-CLASS-240-11 4	c 09	N71-26787 #	US-PATENT-CLASS-244-135	c 15	N70-42015 #
US-PATENT-CLASS-235-92R	c 08	N72-20176 #	US-PATENT-CLASS-240-41 35R	c 74	N77-21941 #	US-PATENT-CLASS-244-135	c 31	N73-12486 #
US-PATENT-CLASS-235-92R	c 08	N73-20217 #	US-PATENT-CLASS-240-41B	c 36	N75-27364 #	US-PATENT-CLASS-244-135	c 14	N73-27378 #
US-PATENT-CLASS-235-92R	c 08	N73-25206 #	US-PATENT-CLASS-240-41R	c 74	N77-21941 #	US-PATENT-CLASS-244-137P	c 31	N73-26876 #
US-PATENT-CLASS-235-92R	c 33	N75-19519 #	US-PATENT-CLASS-240-46 13	c 74	N77-21941 #	US-PATENT-CLASS-244-137P	c 07	N76-22540 #
US-PATENT-CLASS-235-92R	c 38	N77-17495 #	US-PATENT-CLASS-240-47	c 34	N74-23066 #	US-PATENT-CLASS-244-137P	c 01	N83-35992 #
US-PATENT-CLASS-235-92SB	c 37	N74-21056 #	US-PATENT-CLASS-240-51 11	c 09	N71-26787 #	US-PATENT-CLASS-244-137R	c 08	N82-32373 #
US-PATENT-CLASS-235-92SH	c 33	N76-14373 #	US-PATENT-CLASS-241-95	c 37	N84-16561 #	US-PATENT-CLASS-244-138	c 01	N69-39991 #
US-PATENT-CLASS-235-92SH	c 03	N72-25020 #	US-PATENT-CLASS-242-128	c 15	N82-24272 #	US-PATENT-CLASS-244-138	c 02	N70-41630 #
US-PATENT-CLASS-235-92T	c 08	N73-20217 #	US-PATENT-CLASS-242-187	c 37	N77-14479 #	US-PATENT-CLASS-244-138	c 31	N71-16085 #
US-PATENT-CLASS-235-92T	c 33	N75-19519 #	US-PATENT-CLASS-242-192	c 14	N71-23698 #	US-PATENT-CLASS-244-138	c 31	N71-25434 #
US-PATENT-CLASS-235-92VA	c 33	N75-19519 #	US-PATENT-CLASS-242-193	c 37	N77-14479 #	US-PATENT-CLASS-244-138	c 31	N71-28851 #
US-PATENT-CLASS-235-92	c 08	N71-22897 #	US-PATENT-CLASS-242-204	c 37	N77-14479 #	US-PATENT-CLASS-244-139	c 02	N73-13898 #
US-PATENT-CLASS-235-92	c 08	N71-24891 #	US-PATENT-CLASS-242-210	c 37	N77-14479 #	US-PATENT-CLASS-244-139	c 31	N76-16014 #
US-PATENT-CLASS-235-92	c 10	N71-27137 #	US-PATENT-CLASS-242-54	c 15	N72-18477 #	US-PATENT-CLASS-244-139	c 05	N85-21147 #
US-PATENT-CLASS-235-92	c 14	N71-27215 #	US-PATENT-CLASS-242-55 19	c 14	N70-41647 #	US-PATENT-CLASS-244-139	c 08	N85-35200 #
US-PATENT-CLASS-236-1F	c 35	N81-26431 #	US-PATENT-CLASS-242-55 19	c 07	N71-10609 #	US-PATENT-CLASS-244-13	c 01	N71-23497 #
US-PATENT-CLASS-236-13	c 31	N80-32583 #	US-PATENT-CLASS-242-57	c 37	N77-14479 #	US-PATENT-CLASS-244-13	c 02	N73-26005 #
US-PATENT-CLASS-236-1	c 33	N71-16357 #	US-PATENT-CLASS-244 12 2	c 05	N82-26277 #	US-PATENT-CLASS-244-13	c 05	N75-25914 #
US-PATENT-CLASS-236-44C	c 31	N80-32583 #	US-PATENT-CLASS-244-1SS	c 03	N72-20031 #	US-PATENT-CLASS-244-13	c 05	N84-12154 #
US-PATENT-CLASS-236-49	c 31	N74-27902 #	US-PATENT-CLASS-244-1 55	c 03	N73-20040 #	US-PATENT-CLASS-244-140	c 02	N70-38009 #
US-PATENT-CLASS-236-68	c 31	N80-32583 #	US-PATENT-CLASS-244-1A	c 33	N77-10429 #	US-PATENT-CLASS-244-145	c 02	N74-10034 #
US-PATENT-CLASS-237-1A	c 15	N72-12409 #	US-PATENT-CLASS-244-1R	c 34	N79-31523 #	US-PATENT-CLASS-244-147	c 05	N85-21147 #
US-PATENT-CLASS-237-1A	c 44	N76-14602 #	US-PATENT-CLASS-244-1SA	c 21	N72-21624 #	US-PATENT-CLASS-244-14	c 14	N70-33322 #
US-PATENT-CLASS-237-1A	c 44	N78-10554 #	US-PATENT-CLASS-244-1SA	c 21	N72-25595 #	US-PATENT-CLASS-244-15 5	c 31	N72-18859 #
US-PATENT-CLASS-237-1A	c 44	N78-15560 #	US-PATENT-CLASS-244-1SA	c 03	N73-20039 #	US-PATENT-CLASS-244-150	c 15	N71-24600 #
US-PATENT-CLASS-237-1A	c 44	N78-17460 #	US-PATENT-CLASS-244-1SA	c 15	N73-25513 #	US-PATENT-CLASS-244-151R	c 33	N74-22865 #
US-PATENT-CLASS-237-1A	c 44	N78-31525 #	US-PATENT-CLASS-244-1SA	c 21	N73-30640 #	US-PATENT-CLASS-244-152	c 02	N70-36804 #
US-PATENT-CLASS-237-1A	c 44	N79-24433 #	US-PATENT-CLASS-244-1SA	c 19	N74-15089 #	US-PATENT-CLASS-244-155	c 30	N73-12884 #
US-PATENT-CLASS-237-60	c 34	N76-17317 #	US-PATENT-CLASS-244-1SA	c 35	N74-28097 #	US-PATENT-CLASS-244-155	c 31	N73-14854 #
US-PATENT-CLASS-238-134	c 85	N74-34672 #	US-PATENT-CLASS-244-1SB	c 15	N73-12486 #	US-PATENT-CLASS-244-158-A	c 37	N85-30335 #
US-PATENT-CLASS-238-1	c 05	N71-28619 #	US-PATENT-CLASS-244-1SC	c 31	N73-32750 #	US-PATENT-CLASS-244-158A	c 27	N82-24339 #
US-PATENT-CLASS-239-DIG 23	c 37	N85-29283 #	US-PATENT-CLASS-244-1SC	c 34	N75-12222 #	US-PATENT-CLASS-244-158A	c 27	N82-29456 #
US-PATENT-CLASS-239-102	c 37	N80-10494 #	US-PATENT-CLASS-244-1SD	c 31	N73-26876 #	US-PATENT-CLASS-244-158A	c 24	N82-32417 #
US-PATENT-CLASS-239-127 1	c 28	N71-23968 #	US-PATENT-CLASS-244-1SD	c 37	N74-27903 #	US-PATENT-CLASS-244-158A	c 24	N83-13172 #
US-PATENT-CLASS-239-127 1	c 28	N73-32606 #	US-PATENT-CLASS-244-1SD	c 15	N77-10112 #	US-PATENT-CLASS-244-158A	c 16	N84-22601 #
US-PATENT-CLASS-239-127 1	c 34	N79-13288 #	US-PATENT-CLASS-244-1SS	c 11	N73-13257 #	US-PATENT-CLASS-244-158A	c 27	N84-27886 #
US-PATENT-CLASS-239-127 1	c 34	N79-13289 #	US-PATENT-CLASS-244-1SS	c 03	N73-20039 #	US-PATENT-CLASS-244-158R	c 31	N81-25258 #
US-PATENT-CLASS-239-127 1	c 34	N80-24573 #	US-PATENT-CLASS-244-1SS	c 14	N73-27378 #	US-PATENT-CLASS-244-158R	c 16	N84-27784 #
US-PATENT-CLASS-239-127 1	c 44	N81-24519 #	US-PATENT-CLASS-244-1SS	c 31	N73-30829 #	US-PATENT-CLASS-244-158R	c 18	N85-29991 #
US-PATENT-CLASS-239-127 3	c 20	N76-14191 #	US-PATENT-CLASS-244-1SS	c 31	N73-32750 #	US-PATENT-CLASS-244-158R	c 37	N85-34401 #
US-PATENT-CLASS-239-127 3	c 07	N80-32392 #	US-PATENT-CLASS-244-1SS	c 33	N73-32818 #	US-PATENT-CLASS-244-158	c 37	N76-22540 #
US-PATENT-CLASS-239-171	c 37	N77-13418 #	US-PATENT-CLASS-244-1SS	c 18	N74-22136 #	US-PATENT-CLASS-244-158	c 27	N79-12221 #
US-PATENT-CLASS-239-265 11	c 18	N71-21068 #	US-PATENT-CLASS-244-1SS	c 18	N74-27397 #	US-PATENT-CLASS-244-159	c 18	N79-11108 #
US-PATENT-CLASS-239-265 11	c 07	N74-33218 #	US-PATENT-CLASS-244-1SS	c 73	N75-30876 #	US-PATENT-CLASS-244-159	c 07	N83-20944 #
US-PATENT-CLASS-239-265 11	c 07	N76-18117 #	US-PATENT-CLASS-244-100	c 15	N70-34850 #	US-PATENT-CLASS-244-159	c 31	N83-31895 #
US-PATENT-CLASS-239-265 15	c 37	N79-22474 #	US-PATENT-CLASS-244-100	c 31	N70-36654 #	US-PATENT-CLASS-244-159	c 05	N75-25914 #
US-PATENT-CLASS-239-265 17	c 07	N74-27490 #	US-PATENT-CLASS-244-100	c 31	N70-36845 #	US-PATENT-CLASS-244-160	c 27	N79-12221 #
US-PATENT-CLASS-239-265 17	c 07	N83-33884 #	US-PATENT-CLASS-244-100	c 02	N70-41589 #	US-PATENT-CLASS-244-160	c 43	N81-17499 #
US-PATENT-CLASS-239-265 17	c 71	N84-14873 #	US-PATENT-CLASS-244-103R	c 37	N81-24443 #	US-PATENT-CLASS-244-160	c 14	N81-26161 #
US-PATENT-CLASS-239-265 19	c 28	N71-21493 #	US-PATENT-CLASS-244-103	c 02	N70-36825 #	US-PATENT-CLASS-244-160	c 27	N82-24339 #
US-PATENT-CLASS-239-265 19	c 28	N72-11708 #	US-PATENT-CLASS-244-110B	c 07	N82-26293 #	US-PATENT-CLASS-244-160	c 27	N82-29456 #

REPORT NUMBER INDEX

US-PATENT-CLASS-250-203R

US-PATENT-CLASS-244-161	c 18	N84-22605 * #	US-PATENT-CLASS-244-1	c 15	N71-26611 *	US-PATENT-CLASS-244-75R	c 05	N85-21147 * #
US-PATENT-CLASS-244-162	c 18	N75-19329 * #	US-PATENT-CLASS-244-1	c 28	N71-27095 *	US-PATENT-CLASS-244-76C	c 02	N73-26004 * #
US-PATENT-CLASS-244-162	c 18	N76-17185 * #	US-PATENT-CLASS-244-1	c 21	N71-27324 *	US-PATENT-CLASS-244-76	c 21	N70-34539 * #
US-PATENT-CLASS-244-163	c 37	N76-19437 * #	US-PATENT-CLASS-244-1	c 33	N71-28903 *	US-PATENT-CLASS-244-76	c 02	N71-13422 * #
US-PATENT-CLASS-244-163	c 24	N79-25142 * #	US-PATENT-CLASS-244-1	c 15	N71-28936 *	US-PATENT-CLASS-244-76	c 02	N71-20570 *
US-PATENT-CLASS-244-163	c 34	N79-31523 * #	US-PATENT-CLASS-244-1	c 31	N71-29050 *	US-PATENT-CLASS-244-77A	c 04	N74-13420 * #
US-PATENT-CLASS-244-163	c 05	N81-26114 * #	US-PATENT-CLASS-244-1	c 31	N71-33160 *	US-PATENT-CLASS-244-77B	c 04	N74-13420 * #
US-PATENT-CLASS-244-163	c 37	N82-16408 * #	US-PATENT-CLASS-244-212	c 05	N84-22551 * #	US-PATENT-CLASS-244-77D	c 02	N73-19004 * #
US-PATENT-CLASS-244-163	c 27	N82-29456 * #	US-PATENT-CLASS-244-213	c 08	N82-24205 * #	US-PATENT-CLASS-244-77F	c 02	N73-26004 * #
US-PATENT-CLASS-244-163	c 35	N85-29214 * #	US-PATENT-CLASS-244-214	c 08	N85-19985 * #	US-PATENT-CLASS-244-77G	c 02	N73-26004 * #
US-PATENT-CLASS-244-165	c 15	N76-14158 * #	US-PATENT-CLASS-244-215	c 05	N84-22551 * #	US-PATENT-CLASS-244-77	c 32	N71-23971 * #
US-PATENT-CLASS-244-165	c 35	N77-20399 * #	US-PATENT-CLASS-244-216	c 05	N84-22551 * #	US-PATENT-CLASS-244-78	c 08	N82-24205 * #
US-PATENT-CLASS-244-165	c 35	N80-21719 * #	US-PATENT-CLASS-244-217	c 37	N82-16408 * #	US-PATENT-CLASS-244-79	c 04	N76-26175 * #
US-PATENT-CLASS-244-167	c 15	N78-25119 * #	US-PATENT-CLASS-244-218	c 05	N78-32086 * #	US-PATENT-CLASS-244-82	c 05	N79-12061 * #
US-PATENT-CLASS-244-168	c 04	N82-23231 * #	US-PATENT-CLASS-244-218	c 08	N79-14108 * #	US-PATENT-CLASS-244-83G	c 08	N79-23097 * #
US-PATENT-CLASS-244-169	c 15	N77-10113 * #	US-PATENT-CLASS-244-219	c 05	N84-22551 * #	US-PATENT-CLASS-244-83R	c 05	N75-12930 * #
US-PATENT-CLASS-244-169	c 18	N83-28064 * #	US-PATENT-CLASS-244-226	c 08	N82-24205 * #	US-PATENT-CLASS-244-83	c 21	N70-33279 * #
US-PATENT-CLASS-244-16	c 02	N70-41863 * #	US-PATENT-CLASS-244-23A	c 21	N72-25595 * #	US-PATENT-CLASS-244-83	c 15	N71-23255 * #
US-PATENT-CLASS-244-17 13	c 02	N73-19004 * #	US-PATENT-CLASS-244-23C	c 05	N82-26277 * #	US-PATENT-CLASS-244-83	c 31	N71-33160 * #
US-PATENT-CLASS-244-17 13	c 08	N79-23097 * #	US-PATENT-CLASS-244-23D	c 34	N76-18364 * #	US-PATENT-CLASS-244-83	c 08	N74-10942 * #
US-PATENT-CLASS-244-17 25	c 05	N81-19087 * #	US-PATENT-CLASS-244-23	c 02	N71-11039 * #	US-PATENT-CLASS-244-87	c 08	N81-19130 * #
US-PATENT-CLASS-244-170	c 35	N80-21719 * #	US-PATENT-CLASS-244-2	c 14	N81-26161 * #	US-PATENT-CLASS-244-90R	c 08	N74-30421 * #
US-PATENT-CLASS-244-170	c 18	N83-28064 * #	US-PATENT-CLASS-244-2	c 18	N84-27787 * #	US-PATENT-CLASS-244-90R	c 05	N79-12061 * #
US-PATENT-CLASS-244-171	c 15	N77-10113 * #	US-PATENT-CLASS-244-3 14	c 31	N71-17691 * #	US-PATENT-CLASS-244-90R	c 08	N79-14108 * #
US-PATENT-CLASS-244-171	c 35	N77-20399 * #	US-PATENT-CLASS-244-3 16	c 19	N74-15089 * #	US-PATENT-CLASS-244-90R	c 08	N85-19985 * #
US-PATENT-CLASS-244-172	c 18	N76-17185 * #	US-PATENT-CLASS-244-3 21	c 30	N72-17873 * #	US-PATENT-CLASS-244-90	c 02	N71-27088 * #
US-PATENT-CLASS-244-172	c 16	N84-27784 * #	US-PATENT-CLASS-244-3 21	c 15	N76-14158 * #	US-PATENT-CLASS-244-91	c 08	N74-30421 * #
US-PATENT-CLASS-244-172	c 18	N84-27787 * #	US-PATENT-CLASS-244-3 21	c 15	N77-10113 * #	US-PATENT-CLASS-244-91	c 05	N84-12154 * #
US-PATENT-CLASS-244-173	c 44	N75-32581 * #	US-PATENT-CLASS-244-3 21	c 35	N77-20399 * #	US-PATENT-CLASS-244-93	c 05	N82-26277 * #
US-PATENT-CLASS-244-173	c 37	N81-15364 * #	US-PATENT-CLASS-244-3 22	c 31	N71-17629 * #	US-PATENT-CLASS-247-171	c 35	N75-23910 * #
US-PATENT-CLASS-244-173	c 07	N83-20944 * #	US-PATENT-CLASS-244-3 22	c 28	N72-27679 * #	US-PATENT-CLASS-248-119	c 11	N70-35383 * #
US-PATENT-CLASS-244-175	c 04	N82-23231 * #	US-PATENT-CLASS-244-3 22	c 20	N76-21275 * #	US-PATENT-CLASS-248-14	c 15	N72-17454 * #
US-PATENT-CLASS-244-181	c 08	N81-24106 * #	US-PATENT-CLASS-244-31	c 02	N71-11037 * #	US-PATENT-CLASS-248-16	c 18	N74-27397 * #
US-PATENT-CLASS-244-181	c 08	N81-26152 * #	US-PATENT-CLASS-244-31	c 31	N71-16081 * #	US-PATENT-CLASS-248-178	c 15	N70-41310 * #
US-PATENT-CLASS-244-182	c 08	N81-26152 * #	US-PATENT-CLASS-244-31	c 34	N74-23039 * #	US-PATENT-CLASS-248-178	c 37	N78-27425 * #
US-PATENT-CLASS-244-190	c 04	N82-23231 * #	US-PATENT-CLASS-244-327	c 08	N74-30421 * #	US-PATENT-CLASS-248-183	c 14	N71-26627 * #
US-PATENT-CLASS-244-194	c 60	N82-29013 * #	US-PATENT-CLASS-244-32	c 02	N73-13008 * #	US-PATENT-CLASS-248-183	c 15	N72-11386 * #
US-PATENT-CLASS-244-195	c 08	N79-23097 * #	US-PATENT-CLASS-244-34A	c 05	N82-26277 * #	US-PATENT-CLASS-248-186	c 37	N78-27425 * #
US-PATENT-CLASS-244-195	c 08	N81-24106 * #	US-PATENT-CLASS-244-35A	c 02	N84-11136 * #	US-PATENT-CLASS-248-188 4	c 15	N72-27484 * #
US-PATENT-CLASS-244-199	c 07	N85-35194 * #	US-PATENT-CLASS-244-35R	c 02	N76-22154 * #	US-PATENT-CLASS-248-188 9	c 31	N70-34159 * #
US-PATENT-CLASS-244-1	c 31	N69-27499 * #	US-PATENT-CLASS-244-35R	c 02	N84-11136 * #	US-PATENT-CLASS-248-18	c 14	N69-27486 * #
US-PATENT-CLASS-244-1	c 03	N70-33343 * #	US-PATENT-CLASS-244-35R	c 02	N84-28732 * #	US-PATENT-CLASS-248-18	c 15	N72-11391 * #
US-PATENT-CLASS-244-1	c 33	N70-33344 * #	US-PATENT-CLASS-244-35	c 01	N71-13410 * #	US-PATENT-CLASS-248-20	c 15	N72-11391 * #
US-PATENT-CLASS-244-1	c 03	N70-34157 * #	US-PATENT-CLASS-244-40R	c 02	N76-22154 * #	US-PATENT-CLASS-248-228	c 37	N84-16560 * #
US-PATENT-CLASS-244-1	c 31	N70-34176 * #	US-PATENT-CLASS-244-42CG	c 33	N77-10429 * #	US-PATENT-CLASS-248-22	c 19	N76-22284 * #
US-PATENT-CLASS-244-1	c 21	N70-34295 * #	US-PATENT-CLASS-244-42DA	c 05	N75-25914 * #	US-PATENT-CLASS-248-23	c 18	N74-27397 * #
US-PATENT-CLASS-244-1	c 31	N70-34296 * #	US-PATENT-CLASS-244-42	c 02	N70-42016 * #	US-PATENT-CLASS-248-278	c 15	N72-11386 * #
US-PATENT-CLASS-244-1	c 21	N70-35395 * #	US-PATENT-CLASS-244-42	c 02	N71-26110 * #	US-PATENT-CLASS-248-27	c 15	N71-20813 * #
US-PATENT-CLASS-244-1	c 31	N70-36410 * #	US-PATENT-CLASS-244-43	c 02	N70-33255 * #	US-PATENT-CLASS-248-317	c 11	N69-27466 * #
US-PATENT-CLASS-244-1	c 33	N70-36617 * #	US-PATENT-CLASS-244-43	c 02	N71-11043 * #	US-PATENT-CLASS-248-346	c 14	N70-39898 * #
US-PATENT-CLASS-244-1	c 21	N70-36943 * #	US-PATENT-CLASS-244-44	c 02	N71-11038 * #	US-PATENT-CLASS-248-358R	c 37	N75-18573 * #
US-PATENT-CLASS-244-1	c 31	N70-37924 * #	US-PATENT-CLASS-244-45A	c 05	N78-32086 * #	US-PATENT-CLASS-248-358R	c 19	N76-22284 * #
US-PATENT-CLASS-244-1	c 31	N70-37938 * #	US-PATENT-CLASS-244-45R	c 05	N84-12154 * #	US-PATENT-CLASS-248-358	c 15	N70-40156 * #
US-PATENT-CLASS-244-1	c 31	N70-37986 * #	US-PATENT-CLASS-244-45	c 02	N71-12243 * #	US-PATENT-CLASS-248-358	c 23	N71-15673 * #
US-PATENT-CLASS-244-1	c 31	N70-38676 * #	US-PATENT-CLASS-244-46	c 02	N70-33266 * #	US-PATENT-CLASS-248-358	c 15	N71-24694 * #
US-PATENT-CLASS-244-1	c 30	N70-40016 * #	US-PATENT-CLASS-244-46	c 02	N70-33286 * #	US-PATENT-CLASS-248-36-3	c 37	N78-17383 * #
US-PATENT-CLASS-244-1	c 31	N70-41373 * #	US-PATENT-CLASS-244-46	c 02	N70-34178 * #	US-PATENT-CLASS-248-360	c 15	N71-17649 * #
US-PATENT-CLASS-244-1	c 31	N70-41588 * #	US-PATENT-CLASS-244-46	c 02	N70-34858 * #	US-PATENT-CLASS-248-361	c 05	N71-28619 * #
US-PATENT-CLASS-244-1	c 31	N70-41631 * #	US-PATENT-CLASS-244-46	c 31	N70-38010 * #	US-PATENT-CLASS-248-362	c 37	N76-21554 * #
US-PATENT-CLASS-244-1	c 31	N70-41855 * #	US-PATENT-CLASS-244-46	c 02	N70-38011 * #	US-PATENT-CLASS-248-363	c 37	N76-21554 * #
US-PATENT-CLASS-244-1	c 21	N70-41856 * #	US-PATENT-CLASS-244-46	c 02	N71-11041 * #	US-PATENT-CLASS-248-425	c 37	N82-21587 * #
US-PATENT-CLASS-244-1	c 31	N70-42075 * #	US-PATENT-CLASS-244-46	c 02	N73-26005 * #	US-PATENT-CLASS-248-487	c 15	N72-11386 * #
US-PATENT-CLASS-244-1	c 03	N71-11058 * #	US-PATENT-CLASS-244-46	c 05	N76-29217 * #	US-PATENT-CLASS-248-503	c 18	N85-29991 * #
US-PATENT-CLASS-244-1	c 33	N71-14035 * #	US-PATENT-CLASS-244-46	c 05	N78-32086 * #	US-PATENT-CLASS-248-503	c 37	N85-34401 * #
US-PATENT-CLASS-244-1	c 23	N71-14132 * #	US-PATENT-CLASS-244-46	c 08	N79-14108 * #	US-PATENT-CLASS-248-555	c 18	N85-29991 * #
US-PATENT-CLASS-244-1	c 21	N71-14159 * #	US-PATENT-CLASS-244-48	c 05	N79-12061 * #	US-PATENT-CLASS-248-636	c 35	N83-32026 * #
US-PATENT-CLASS-244-1	c 21	N71-15583 * #	US-PATENT-CLASS-244-48	c 05	N82-28279 * #	US-PATENT-CLASS-248-638	c 35	N83-32026 * #
US-PATENT-CLASS-244-1	c 31	N71-15663 * #	US-PATENT-CLASS-244-49	c 43	N81-17499 * #	US-PATENT-CLASS-248	c 25	N79-28253 * #
US-PATENT-CLASS-244-1	c 31	N71-15674 * #	US-PATENT-CLASS-244-4	c 05	N69-21380 * #	US-PATENT-CLASS-249-144	c 31	N75-13111 * #
US-PATENT-CLASS-244-1	c 31	N71-15676 * #	US-PATENT-CLASS-244-4	c 05	N71-12336 * #	US-PATENT-CLASS-249-145	c 31	N74-32920 * #
US-PATENT-CLASS-244-1	c 02	N71-16087 * #	US-PATENT-CLASS-244-4	c 28	N71-27585 * #	US-PATENT-CLASS-249-145	c 31	N75-13111 * #
US-PATENT-CLASS-244-1	c 31	N71-16222 * #	US-PATENT-CLASS-244-50	c 02	N70-34160 * #	US-PATENT-CLASS-249-184	c 31	N74-32920 * #
US-PATENT-CLASS-244-1	c 31	N71-16345 * #	US-PATENT-CLASS-244-51	c 02	N70-34856 * #	US-PATENT-CLASS-249-59	c 31	N75-13111 * #
US-PATENT-CLASS-244-1	c 31	N71-16346 * #	US-PATENT-CLASS-244-52	c 08	N81-19130 * #	US-PATENT-CLASS-249-83	c 31	N74-32920 * #
US-PATENT-CLASS-244-1	c 31	N71-17679 * #	US-PATENT-CLASS-244-53A	c 07	N78-18066 * #	US-PATENT-CLASS-249-95	c 31	N74-32920 * #
US-PATENT-CLASS-244-1	c 15	N71-17693 * #	US-PATENT-CLASS-244-53B	c 02	N74-20646 * #	US-PATENT-CLASS-25-156	c 15	N71-16076 * #
US-PATENT-CLASS-244-1	c 31	N71-17729 * #	US-PATENT-CLASS-244-53B	c 07	N75-24736 * #	US-PATENT-CLASS-250-105	c 14	N70-40240 * #
US-PATENT-CLASS-244-1	c 15	N71-19214 * #	US-PATENT-CLASS-244-53B	c 07	N77-18154 * #	US-PATENT-CLASS-250-105	c 14	N73-30389 * #
US-PATENT-CLASS-244-1	c 03	N71-20273 * #	US-PATENT-CLASS-244-53B	c 05	N79-24976 * #	US-PATENT-CLASS-250-199	c 16	N69-27491 * #
US-PATENT-CLASS-244-1	c 31	N71-20396 * #	US-PATENT-CLASS-244-53B	c 85	N82-33288 * #	US-PATENT-CLASS-250-199	c 07	N71-12389 * #
US-PATENT-CLASS-244-1	c 31	N71-21064 * #	US-PATENT-CLASS-244-53R	c 05	N84-12154 * #	US-PATENT-CLASS-250-199	c 16	N71-22895 * #
US-PATENT-CLASS-244-1	c 14	N71-21082 * #	US-PATENT-CLASS-244-53	c 28	N71-15563 * #	US-PATENT-CLASS-250-199	c 16	N71-25914 * #
US-PATENT-CLASS-244-1	c 21	N71-21708 * #	US-PATENT-CLASS-244-54	c 07	N78-18066 * #	US-PATENT-CLASS-250-199	c 16	N71-27183 * #
US-PATENT-CLASS-244-1	c 31	N71-21881 * #	US-PATENT-CLASS-244-54	c 07	N79-14096 * #	US-PATENT-CLASS-250-199	c 16	N71-28963 * #
US-PATENT-CLASS-244-1	c 33	N71-22792 * #	US-PATENT-CLASS-244-55	c 02	N73-26005 * #	US-PATENT-CLASS-250-199	c 16	N73-16536 * #
US-PATENT-CLASS-244-1	c 31	N71-22968 * #	US-PATENT-CLASS-244-55	c 05	N75-25914 * #	US-PATENT-CLASS-250-199	c 07	N73-26119 * #
US-PATENT-CLASS-244-1	c 31	N71-22969 * #	US-PATENT-CLASS-244-55	c 05	N84-12154 * #	US-PATENT-CLASS-250-199	c 74	N76-18913 * #
US-PATENT-CLASS-244-1	c 31	N71-23009 * #	US-PATENT-CLASS-244-55	c 07	N85-35			

US-PATENT-CLASS-250-203R	c 14	N73-25462 *	#	US-PATENT-CLASS-250-231	c 14	N73-20475 *	#	US-PATENT-CLASS-250-350	c 74	N83-19597 *	#
US-PATENT-CLASS-250-203R	c 14	N73-28490 *	#	US-PATENT-CLASS-250-232	c 23	N71-21821 *		US-PATENT-CLASS-250-351	c 35	N75-30502 *	#
US-PATENT-CLASS-250-203R	c 21	N73-30640 *	#	US-PATENT-CLASS-250-233	c 23	N71-16100 *		US-PATENT-CLASS-250-351	c 35	N78-13400 *	#
US-PATENT-CLASS-250-203R	c 19	N74-15089 *	#	US-PATENT-CLASS-250-234	c 03	N73-20040 *	#	US-PATENT-CLASS-250-351	c 74	N83-19597 *	#
US-PATENT-CLASS-250-203R	c 89	N74-30886 *	#	US-PATENT-CLASS-250-235	c 14	N72-11364 *		US-PATENT-CLASS-250-351	c 35	N84-34705 *	#
US-PATENT-CLASS-250-203R	c 35	N77-20401 *	#	US-PATENT-CLASS-250-235	c 43	N82-13465 *	#	US-PATENT-CLASS-250-352	c 31	N79-17029 *	#
US-PATENT-CLASS-250-203R	c 74	N77-22951 *	#	US-PATENT-CLASS-250-235	c 74	N82-24072 *	#	US-PATENT-CLASS-250-352	c 34	N79-20336 *	#
US-PATENT-CLASS-250-203R	c 44	N81-24520 *	#	US-PATENT-CLASS-250-236	c 21	N73-30640 *	#	US-PATENT-CLASS-250-352	c 35	N80-26635 *	#
US-PATENT-CLASS-250-203R	c 32	N83-18975 *	#	US-PATENT-CLASS-250-236	c 43	N82-13465 *	#	US-PATENT-CLASS-250-352	c 74	N80-33210 *	#
US-PATENT-CLASS-250-203R	c 47	N83-32232 *	#	US-PATENT-CLASS-250-237G	c 74	N79-20856 *	#	US-PATENT-CLASS-250-353	c 35	N76-29551 *	#
US-PATENT-CLASS-250-203X	c 16	N72-13437 *		US-PATENT-CLASS-250-237R	c 08	N73-30135 *	#	US-PATENT-CLASS-250-353	c 35	N80-26635 *	#
US-PATENT-CLASS-250-203	c 14	N69-27432 *	#	US-PATENT-CLASS-250-237R	c 19	N74-15089 *	#	US-PATENT-CLASS-250-353	c 74	N80-33210 *	#
US-PATENT-CLASS-250-203	c 14	N69-27485 *	#	US-PATENT-CLASS-250-237	c 14	N69-24331 *	#	US-PATENT-CLASS-250-356 1	c 47	N84-28292 *	#
US-PATENT-CLASS-250-203	c 07	N69-39736 *	#	US-PATENT-CLASS-250-238	c 33	N75-31332 *	#	US-PATENT-CLASS-250-359	c 37	N75-26372 *	#
US-PATENT-CLASS-250-203	c 14	N70-34158 *	#	US-PATENT-CLASS-250-238	c 32	N77-28346 *	#	US-PATENT-CLASS-250-360	c 35	N74-15091 *	#
US-PATENT-CLASS-250-203	c 21	N70-35089 *	#	US-PATENT-CLASS-250-239	c 08	N73-30135 *	#	US-PATENT-CLASS-250-361	c 35	N74-15091 *	#
US-PATENT-CLASS-250-203	c 14	N70-40239 *	#	US-PATENT-CLASS-250-239	c 74	N78-33913 *	#	US-PATENT-CLASS-250-363R	c 52	N77-14737 *	#
US-PATENT-CLASS-250-203	c 21	N71-10678 *	#	US-PATENT-CLASS-250-251	c 35	N76-15431 *	#	US-PATENT-CLASS-250-363R	c 74	N79-20857 *	#
US-PATENT-CLASS-250-203	c 21	N71-10771 *	#	US-PATENT-CLASS-250-251	c 35	N84-33767 *	#	US-PATENT-CLASS-250-363R	c 74	N84-11920 *	#
US-PATENT-CLASS-250-203	c 21	N71-15642 *	#	US-PATENT-CLASS-250-252 1	c 35	N84-33767 *	#	US-PATENT-CLASS-250-363S	c 74	N84-11920 *	#
US-PATENT-CLASS-250-203	c 14	N71-19568 *	#	US-PATENT-CLASS-250-253	c 43	N79-31706 *	#	US-PATENT-CLASS-250-363S	c 35	N85-30281 *	#
US-PATENT-CLASS-250-203	c 14	N71-23269 *	#	US-PATENT-CLASS-250-272	c 74	N78-15880 *	#	US-PATENT-CLASS-250-367	c 35	N84-33765 *	#
US-PATENT-CLASS-250-203	c 14	N71-23797 *	#	US-PATENT-CLASS-250-272	c 43	N79-31706 *	#	US-PATENT-CLASS-250-368	c 74	N81-24900 *	#
US-PATENT-CLASS-250-203	c 14	N72-22444 *	#	US-PATENT-CLASS-250-277CH	c 76	N78-24950 *	#	US-PATENT-CLASS-250-368	c 74	N84-11920 *	#
US-PATENT-CLASS-250-203	c 14	N73-30393 *	#	US-PATENT-CLASS-250-277CH	c 74	N80-21140 *	#	US-PATENT-CLASS-250-369	c 35	N74-15091 *	#
US-PATENT-CLASS-250-203	c 35	N75-23910 *	#	US-PATENT-CLASS-250-280	c 76	N78-24950 *	#	US-PATENT-CLASS-250-369	c 35	N82-32659 *	#
US-PATENT-CLASS-250-204	c 36	N74-21091 *	#	US-PATENT-CLASS-250-280	c 74	N80-21140 *	#	US-PATENT-CLASS-250-369	c 35	N85-30281 *	#
US-PATENT-CLASS-250-205	c 14	N72-27411 *	#	US-PATENT-CLASS-250-281	c 35	N74-34857 *	#	US-PATENT-CLASS-250-370	c 35	N74-18088 *	#
US-PATENT-CLASS-250-205	c 09	N73-14214 *	#	US-PATENT-CLASS-250-281	c 35	N76-16393 *	#	US-PATENT-CLASS-250-370	c 33	N75-31332 *	#
US-PATENT-CLASS-250-205	c 36	N74-13205 *	#	US-PATENT-CLASS-250-281	c 36	N77-26477 *	#	US-PATENT-CLASS-250-370	c 35	N82-31659 *	#
US-PATENT-CLASS-250-206	c 10	N71-20782 *	#	US-PATENT-CLASS-250-281	c 72	N80-14877 *	#	US-PATENT-CLASS-250-370	c 44	N82-32841 *	#
US-PATENT-CLASS-250-207	c 14	N72-17328 *	#	US-PATENT-CLASS-250-282	c 36	N77-26477 *	#	US-PATENT-CLASS-250-371	c 35	N74-18088 *	#
US-PATENT-CLASS-250-207	c 14	N73-32317 *	#	US-PATENT-CLASS-250-282	c 72	N80-14877 *	#	US-PATENT-CLASS-250-372	c 19	N74-29410 *	#
US-PATENT-CLASS-250-207	c 33	N74-27682 *	#	US-PATENT-CLASS-250-282	c 35	N83-27184 *	#	US-PATENT-CLASS-250-372	c 24	N76-24363 *	#
US-PATENT-CLASS-250-208	c 14	N72-20379 *	#	US-PATENT-CLASS-250-283	c 36	N77-26477 *	#	US-PATENT-CLASS-250-372	c 33	N76-27473 *	#
US-PATENT-CLASS-250-209	c 07	N69-39980 *	#	US-PATENT-CLASS-250-283	c 35	N76-15431 *	#	US-PATENT-CLASS-250-372	c 35	N83-21311 *	#
US-PATENT-CLASS-250-209	c 20	N71-16340 *	#	US-PATENT-CLASS-250-287	c 35	N76-16393 *	#	US-PATENT-CLASS-250-372	c 35	N84-33767 *	#
US-PATENT-CLASS-250-209	c 10	N72-17173 *	#	US-PATENT-CLASS-250-288	c 35	N76-16393 *	#	US-PATENT-CLASS-250-373	c 25	N74-26947 *	#
US-PATENT-CLASS-250-209	c 14	N72-25409 *	#	US-PATENT-CLASS-250-288	c 35	N77-32456 *	#	US-PATENT-CLASS-250-373	c 35	N75-30502 *	#
US-PATENT-CLASS-250-209	c 14	N73-16483 *	#	US-PATENT-CLASS-250-288	c 35	N83-27184 *	#	US-PATENT-CLASS-250-373	c 45	N76-17656 *	#
US-PATENT-CLASS-250-209	c 14	N73-26432 *	#	US-PATENT-CLASS-250-289	c 35	N77-14406 *	#	US-PATENT-CLASS-250-374	c 35	N74-26949 *	#
US-PATENT-CLASS-250-209	c 14	N73-28490 *	#	US-PATENT-CLASS-250-290	c 35	N77-10492 *	#	US-PATENT-CLASS-250-374	c 35	N85-34374 *	#
US-PATENT-CLASS-250-209	c 21	N73-30640 *	#	US-PATENT-CLASS-250-291	c 35	N77-10492 *	#	US-PATENT-CLASS-250-379	c 35	N85-34374 *	#
US-PATENT-CLASS-250-209	c 44	N81-24520 *	#	US-PATENT-CLASS-250-295	c 35	N74-34857 *	#	US-PATENT-CLASS-250-385	c 35	N74-26949 *	#
US-PATENT-CLASS-250-211J	c 09	N72-17152 *	#	US-PATENT-CLASS-250-296	c 35	N84-28016 *	#	US-PATENT-CLASS-250-385	c 35	N75-27331 *	#
US-PATENT-CLASS-250-211J	c 09	N73-14214 *	#	US-PATENT-CLASS-250-298	c 35	N77-14406 *	#	US-PATENT-CLASS-250-385	c 35	N76-15433 *	#
US-PATENT-CLASS-250-211J	c 35	N74-15090 *	#	US-PATENT-CLASS-250-304	c 25	N74-26947 *	#	US-PATENT-CLASS-250-385	c 35	N76-16393 *	#
US-PATENT-CLASS-250-211K	c 74	N77-22951 *	#	US-PATENT-CLASS-250-305	c 72	N84-28575 *	#	US-PATENT-CLASS-250-385	c 35	N82-24471 *	#
US-PATENT-CLASS-250-211K	c 44	N80-18552 *	#	US-PATENT-CLASS-250-307	c 25	N80-20334 *	#	US-PATENT-CLASS-250-385	c 35	N84-33765 *	#
US-PATENT-CLASS-250-211R	c 36	N75-19652 *	#	US-PATENT-CLASS-250-308	c 25	N80-20334 *	#	US-PATENT-CLASS-250-386	c 35	N82-24471 *	#
US-PATENT-CLASS-250-211R	c 35	N75-23910 *	#	US-PATENT-CLASS-250-310	c 35	N78-10429 *	#	US-PATENT-CLASS-250-388	c 33	N83-24763 *	#
US-PATENT-CLASS-250-212	c 03	N71-23354 *	#	US-PATENT-CLASS-250-310	c 33	N80-14332 *	#	US-PATENT-CLASS-250-389	c 35	N82-24471 *	#
US-PATENT-CLASS-250-212	c 03	N73-20040 *	#	US-PATENT-CLASS-250-311	c 33	N83-18996 *	#	US-PATENT-CLASS-250-394	c 14	N73-30392 *	#
US-PATENT-CLASS-250-212	c 09	N73-32109 *	#	US-PATENT-CLASS-250-320	c 74	N78-15880 *	#	US-PATENT-CLASS-250-394	c 19	N74-29410 *	#
US-PATENT-CLASS-250-213VT	c 74	N78-18905 *	#	US-PATENT-CLASS-250-322	c 35	N78-15461 *	#	US-PATENT-CLASS-250-396	c 35	N77-14408 *	#
US-PATENT-CLASS-250-214AL	c 74	N79-12890 *	#	US-PATENT-CLASS-250-332	c 44	N82-32841 *	#	US-PATENT-CLASS-250-398	c 35	N78-10429 *	#
US-PATENT-CLASS-250-214A	c 33	N77-14335 *	#	US-PATENT-CLASS-250-332	c 35	N75-19613 *	#	US-PATENT-CLASS-250-400	c 25	N76-29379 *	#
US-PATENT-CLASS-250-214R	c 14	N73-28490 *	#	US-PATENT-CLASS-250-332	c 31	N78-25256 *	#	US-PATENT-CLASS-250-400	c 25	N78-27226 *	#
US-PATENT-CLASS-250-214R	c 74	N79-12890 *	#	US-PATENT-CLASS-250-332	c 35	N82-31659 *	#	US-PATENT-CLASS-250-41 9D	c 14	N72-29464 *	#
US-PATENT-CLASS-250-214	c 74	N73-25462 *	#	US-PATENT-CLASS-250-332	c 74	N83-19597 *	#	US-PATENT-CLASS-250-41 9G	c 14	N73-12444 *	#
US-PATENT-CLASS-250-214	c 14	N73-25462 *	#	US-PATENT-CLASS-250-332	c 74	N84-28590 *	#	US-PATENT-CLASS-250-41 9S	c 14	N73-12444 *	#
US-PATENT-CLASS-250-214	c 35	N74-15090 *	#	US-PATENT-CLASS-250-335	c 34	N76-18374 *	#	US-PATENT-CLASS-250-41 9S	c 14	N71-28992 *	#
US-PATENT-CLASS-250-214	c 33	N82-28545 *	#	US-PATENT-CLASS-250-336	c 14	N73-28488 *	#	US-PATENT-CLASS-250-41 9	c 06	N71-13461 *	#
US-PATENT-CLASS-250-215	c 14	N73-16483 *	#	US-PATENT-CLASS-250-336	c 35	N76-15433 *	#	US-PATENT-CLASS-250-41 9	c 24	N71-16095 *	#
US-PATENT-CLASS-250-216	c 74	N79-34011 *	#	US-PATENT-CLASS-250-336	c 33	N76-27473 *	#	US-PATENT-CLASS-250-41 9	c 14	N71-23041 *	#
US-PATENT-CLASS-250-216	c 74	N82-24072 *	#	US-PATENT-CLASS-250-336	c 35	N78-13400 *	#	US-PATENT-CLASS-250-41 9	c 14	N71-28863 *	#
US-PATENT-CLASS-250-217F	c 14	N73-16484 *	#	US-PATENT-CLASS-250-338	c 35	N74-18088 *	#	US-PATENT-CLASS-250-41 9	c 14	N72-17328 *	#
US-PATENT-CLASS-250-217R	c 14	N73-19419 *	#	US-PATENT-CLASS-250-338	c 35	N77-10493 *	#	US-PATENT-CLASS-250-41 9	c 14	N73-32325 *	#
US-PATENT-CLASS-250-217SS	c 09	N73-14214 *	#	US-PATENT-CLASS-250-338	c 47	N77-10753 *	#	US-PATENT-CLASS-250-416TV	c 35	N78-15461 *	#
US-PATENT-CLASS-250-217SS	c 36	N74-15145 *	#	US-PATENT-CLASS-250-338	c 35	N80-26635 *	#	US-PATENT-CLASS-250-423P	c 36	N77-26477 *	#
US-PATENT-CLASS-250-217	c 14	N69-39980 *	#	US-PATENT-CLASS-250-338	c 35	N83-21311 *	#	US-PATENT-CLASS-250-423P	c 25	N78-25148 *	#
US-PATENT-CLASS-250-217	c 14	N73-16483 *	#	US-PATENT-CLASS-250-338	c 74	N84-28590 *	#	US-PATENT-CLASS-250-423P	c 72	N80-14877 *	#
US-PATENT-CLASS-250-217	c 36	N74-13205 *	#	US-PATENT-CLASS-250-339	c 35	N77-10493 *	#	US-PATENT-CLASS-250-423	c 35	N76-15431 *	#
US-PATENT-CLASS-250-218	c 14	N71-22996 *	#	US-PATENT-CLASS-250-339	c 47	N77-10753 *	#	US-PATENT-CLASS-250-423	c 35	N76-16393 *	#
US-PATENT-CLASS-250-218	c 14	N71-28994 *	#	US-PATENT-CLASS-250-339	c 35	N84-33766 *	#	US-PATENT-CLASS-250-423	c 35	N83-27184 *	#
US-PATENT-CLASS-250-218	c 74	N78-33913 *	#	US-PATENT-CLASS-250-339	c 36	N85-21631 *	#	US-PATENT-CLASS-250-426	c 33	N85-21491 *	#
US-PATENT-CLASS-250-219DF	c 91	N74-13130 *	#	US-PATENT-CLASS-250-339	c 36	N85-29264 *	#	US-PATENT-CLASS-250-427	c 72	N80-27163 *	#
US-PATENT-CLASS-250-219TH	c 26	N73-26751 *	#	US-PATENT-CLASS-250-340	c 35	N76-29551 *	#	US-PATENT-CLASS-250-429	c 25	N76-29379 *	#
US-PATENT-CLASS-250-219	c 14	N71-28993 *	#	US-PATENT-CLASS-250-340	c 74	N83-19597 *	#	US-PATENT-CLASS-250-429	c 25	N78-27226 *	#
US-PATENT-CLASS-250-221	c 33	N82-2854									

US-PATENT-CLASS-250-483	c 74	N81-24900 * #	US-PATENT-CLASS-250-83	c 09	N71-18830 *	US-PATENT-CLASS-253-77	c 28	N71-29154 *
US-PATENT-CLASS-250-489	c 35	N76-15433 * #	US-PATENT-CLASS-250-83	c 05	N71-19440 *	US-PATENT-CLASS-253	c 25	N79-28253 * #
US-PATENT-CLASS-250-49 5B	c 24	N72-11595 *	US-PATENT-CLASS-250-83	c 14	N71-20430 *	US-PATENT-CLASS-254-124	c 20	N76-22296 * #
US-PATENT-CLASS-250-49 5TE	c 24	N72-11595 *	US-PATENT-CLASS-250-83	c 14	N71-23401 *	US-PATENT-CLASS-254-131	c 60	N82-24839 * #
US-PATENT-CLASS-250-49 5	c 14	N69-39982 * #	US-PATENT-CLASS-250-83	c 09	N71-27232 *	US-PATENT-CLASS-254-150	c 15	N71-24599 * #
US-PATENT-CLASS-250-49 5	c 14	N71-28863 *	US-PATENT-CLASS-250-84	c 14	N71-24809 *	US-PATENT-CLASS-254-156	c 15	N73-25512 * #
US-PATENT-CLASS-250-49 5	c 14	N72-17328 * #	US-PATENT-CLASS-251-118	c 15	N71-18580 *	US-PATENT-CLASS-254-158	c 54	N77-21844 * #
US-PATENT-CLASS-250-491	c 35	N80-28686 * #	US-PATENT-CLASS-251-11	c 15	N70-35407 * #	US-PATENT-CLASS-254-173	c 15	N71-24599 * #
US-PATENT-CLASS-250-492A	c 33	N80-14332 * #	US-PATENT-CLASS-251-120	c 37	N74-21065 * #	US-PATENT-CLASS-254-186	c 15	N71-24599 * #
US-PATENT-CLASS-250-492B	c 25	N78-27226 * #	US-PATENT-CLASS-251-121	c 15	N71-18580 *	US-PATENT-CLASS-254-190	c 15	N72-25453 * #
US-PATENT-CLASS-250-492R	c 25	N76-29379 * #	US-PATENT-CLASS-251-122	c 15	N73-13462 * #	US-PATENT-CLASS-254-29A	c 15	N73-30457 * #
US-PATENT-CLASS-250-492R	c 28	N78-24365 * #	US-PATENT-CLASS-251-122	c 37	N74-21065 * #	US-PATENT-CLASS-254-93R	c 35	N74-13129 * #
US-PATENT-CLASS-250-492	c 35	N74-15091 * #	US-PATENT-CLASS-251-127	c 12	N71-18615 *	US-PATENT-CLASS-254-93R	c 20	N76-22296 * #
US-PATENT-CLASS-250-492	c 37	N75-26372 * #	US-PATENT-CLASS-251-127	c 44	N84-14583 * #	US-PATENT-CLASS-256-13 2	c 37	N79-10420 * #
US-PATENT-CLASS-250-493	c 73	N75-30876 * #	US-PATENT-CLASS-251-129	c 15	N72-20442 *	US-PATENT-CLASS-256-1	c 37	N79-10420 * #
US-PATENT-CLASS-250-495	c 74	N75-12732 * #	US-PATENT-CLASS-251-138	c 37	N80-23654 * #	US-PATENT-CLASS-259-DIG 18	c 35	N74-15093 * #
US-PATENT-CLASS-250-496	c 73	N75-30876 * #	US-PATENT-CLASS-251-148	c 15	N71-23024 *	US-PATENT-CLASS-259-4AC	c 37	N76-19436 * #
US-PATENT-CLASS-250-498	c 52	N77-14737 * #	US-PATENT-CLASS-251-149 6	c 37	N76-14463 * #	US-PATENT-CLASS-259-4	c 35	N73-19458 * #
US-PATENT-CLASS-250-499	c 73	N74-26767 * #	US-PATENT-CLASS-251-149 9	c 37	N79-11402 * #	US-PATENT-CLASS-259-60	c 15	N74-15093 * #
US-PATENT-CLASS-250-499	c 72	N76-15860 * #	US-PATENT-CLASS-251-172	c 15	N71-21234 *	US-PATENT-CLASS-259-71	c 15	N71-21177 * #
US-PATENT-CLASS-250-499	c 37	N78-13436 * #	US-PATENT-CLASS-251-172	c 37	N79-33469 * #	US-PATENT-CLASS-259-72	c 37	N74-18123 * #
US-PATENT-CLASS-250-500	c 72	N76-15860 * #	US-PATENT-CLASS-251-173	c 15	N70-33376 *	US-PATENT-CLASS-259-98	c 35	N74-15126 * #
US-PATENT-CLASS-250-505	c 74	N74-27866 * #	US-PATENT-CLASS-251-210	c 37	N74-21065 * #	US-PATENT-CLASS-259/4R	c 34	N77-24423 * #
US-PATENT-CLASS-250-505	c 35	N75-19616 * #	US-PATENT-CLASS-251-216	c 37	N81-17433 * #	US-PATENT-CLASS-260 46 5E	c 27	N74-21156 * #
US-PATENT-CLASS-250-508	c 35	N75-19616 * #	US-PATENT-CLASS-251-265	c 37	N85-20338 * #	US-PATENT-CLASS-260-DIG 15	c 27	N78-14164 * #
US-PATENT-CLASS-250-51 5	c 23	N73-13662 * #	US-PATENT-CLASS-251-267	c 37	N85-20338 * #	US-PATENT-CLASS-260-DIG 24	c 27	N74-27037 * #
US-PATENT-CLASS-250-51 5	c 14	N73-28491 * #	US-PATENT-CLASS-251-284	c 37	N85-20338 * #	US-PATENT-CLASS-260-DIG 24	c 27	N76-24405 * #
US-PATENT-CLASS-250-510	c 35	N75-19616 * #	US-PATENT-CLASS-251-297	c 37	N85-20338 * #	US-PATENT-CLASS-260-DIG 29	c 27	N80-24438 * #
US-PATENT-CLASS-250-511	c 74	N74-27866 * #	US-PATENT-CLASS-251-31	c 15	N71-19485 *	US-PATENT-CLASS-260-DIG 2	c 24	N80-26388 * #
US-PATENT-CLASS-250-513	c 35	N80-28686 * #	US-PATENT-CLASS-251-325	c 37	N85-29284 * #	US-PATENT-CLASS-260-17 2	c 24	N81-13999 * #
US-PATENT-CLASS-250-518	c 14	N73-30392 * #	US-PATENT-CLASS-251-331	c 15	N72-31483 * #	US-PATENT-CLASS-260-17 4UC	c 23	N81-29160 * #
US-PATENT-CLASS-250-51	c 24	N72-11595 *	US-PATENT-CLASS-251-333	c 15	N70-34859 *	US-PATENT-CLASS-260-17A	c 27	N81-14076 * #
US-PATENT-CLASS-250-527	c 37	N76-18458 * #	US-PATENT-CLASS-251-333	c 12	N71-18615 *	US-PATENT-CLASS-260-18S	c 06	N72-25151 * #
US-PATENT-CLASS-250-527	c 25	N77-32255 * #	US-PATENT-CLASS-251-333	c 15	N72-20442 * #	US-PATENT-CLASS-260-2 1E	c 18	N72-22567 * #
US-PATENT-CLASS-250-527	c 44	N77-32580 *	US-PATENT-CLASS-251-333	c 37	N75-25185 * #	US-PATENT-CLASS-260-2 1E	c 27	N81-14076 * #
US-PATENT-CLASS-250-527	c 44	N79-11470 * #	US-PATENT-CLASS-251-339	c 37	N81-17433 * #	US-PATENT-CLASS-260-2 1E	c 25	N81-19244 * #
US-PATENT-CLASS-250-527	c 44	N82-16475 * #	US-PATENT-CLASS-251-342	c 12	N71-18615 *	US-PATENT-CLASS-260-2 1	c 25	N81-17187 * #
US-PATENT-CLASS-250-528	c 25	N78-25148 * #	US-PATENT-CLASS-251-349	c 37	N85-29284 * #	US-PATENT-CLASS-260-2 2R	c 25	N71-1787 * #
US-PATENT-CLASS-250-52	c 15	N71-15606 * #	US-PATENT-CLASS-251-353	c 37	N85-29284 * #	US-PATENT-CLASS-260-2 2R	c 25	N81-19244 * #
US-PATENT-CLASS-250-52	c 11	N71-23042 *	US-PATENT-CLASS-251-358	c 15	N71-17648 *	US-PATENT-CLASS-260-2 5AK	c 27	N76-15310 * #
US-PATENT-CLASS-250-52	c 24	N72-11595 *	US-PATENT-CLASS-251-360	c 15	N72-25451 * #	US-PATENT-CLASS-260-2 5AK	c 24	N78-24290 * #
US-PATENT-CLASS-250-52	c 23	N73-13662 * #	US-PATENT-CLASS-251-61 1	c 12	N71-18615 *	US-PATENT-CLASS-260-2 5AM	c 27	N74-12812 * #
US-PATENT-CLASS-250-531	c 25	N78-25148 * #	US-PATENT-CLASS-251-61	c 15	N71-10778 * #	US-PATENT-CLASS-260-2 5AM	c 27	N77-31308 * #
US-PATENT-CLASS-250-531	c 33	N79-15245 * #	US-PATENT-CLASS-251-7	c 37	N79-28550 *	US-PATENT-CLASS-260-2 5AP	c 24	N78-24290 * #
US-PATENT-CLASS-250-540	c 33	N79-15245 * #	US-PATENT-CLASS-251-86	c 15	N72-31483 * #	US-PATENT-CLASS-260-2 5AY	c 27	N77-31308 * #
US-PATENT-CLASS-250-541	c 33	N79-15245 * #	US-PATENT-CLASS-251-86	c 37	N80-23654 * #	US-PATENT-CLASS-260-2 5A	c 27	N77-31308 * #
US-PATENT-CLASS-250-551	c 74	N79-34011 * #	US-PATENT-CLASS-252-12 2	c 24	N79-17916 * #	US-PATENT-CLASS-260-2 5BE	c 24	N78-24290 * #
US-PATENT-CLASS-250-563	c 38	N78-17396 * #	US-PATENT-CLASS-252-12	c 15	N71-23810 *	US-PATENT-CLASS-260-2 5B	c 24	N78-24290 * #
US-PATENT-CLASS-250-566	c 74	N75-25706 * #	US-PATENT-CLASS-252-12	c 34	N76-22309 *	US-PATENT-CLASS-260-2 5EP	c 24	N78-24290 * #
US-PATENT-CLASS-250-571	c 36	N78-14380 * #	US-PATENT-CLASS-252-182 1	c 23	N84-14422 *	US-PATENT-CLASS-260-2 5FP	c 06	N72-25147 * #
US-PATENT-CLASS-250-572	c 38	N78-17395 * #	US-PATENT-CLASS-252-26	c 15	N71-21403 *	US-PATENT-CLASS-260-2 5FP	c 27	N74-27037 * #
US-PATENT-CLASS-250-572	c 38	N78-17396 * #	US-PATENT-CLASS-252-26	c 15	N71-24046 *	US-PATENT-CLASS-260-2 5FP	c 24	N78-24290 * #
US-PATENT-CLASS-250-573	c 74	N76-20958 * #	US-PATENT-CLASS-252-2	c 25	N83-36118 * #	US-PATENT-CLASS-260-2 5F	c 18	N73-13562 * #
US-PATENT-CLASS-250-573	c 34	N83-31993 * #	US-PATENT-CLASS-252-300	c 14	N72-22443 * #	US-PATENT-CLASS-260-2 5L	c 27	N74-12814 * #
US-PATENT-CLASS-250-574	c 45	N76-21742 * #	US-PATENT-CLASS-252-300	c 24	N76-24363 * #	US-PATENT-CLASS-260-2 5N	c 24	N78-15180 * #
US-PATENT-CLASS-250-574	c 36	N77-25501 * #	US-PATENT-CLASS-252-301 1R	c 35	N79-10389 *	US-PATENT-CLASS-260-2 5N	c 27	N78-31232 * #
US-PATENT-CLASS-250-576	c 35	N74-27860 * #	US-PATENT-CLASS-252-301 16	c 35	N79-10389 * #	US-PATENT-CLASS-260-2 5R	c 27	N74-27037 * #
US-PATENT-CLASS-250-578	c 36	N75-19652 * #	US-PATENT-CLASS-252-301 2	c 18	N71-27170 *	US-PATENT-CLASS-260-2 5R	c 24	N78-15180 * #
US-PATENT-CLASS-250-65F	c 15	N72-25452 * #	US-PATENT-CLASS-252-301 4	c 06	N73-30097 * #	US-PATENT-CLASS-260-2 5	c 06	N71-11242 * #
US-PATENT-CLASS-250-65R	c 14	N73-30389 * #	US-PATENT-CLASS-252-305	c 06	N73-30097 * #	US-PATENT-CLASS-260-2 5	c 06	N71-24739 * #
US-PATENT-CLASS-250-71 5R	c 14	N72-29464 * #	US-PATENT-CLASS-252-359A	c 37	N77-13418 * #	US-PATENT-CLASS-260-2 5	c 06	N71-25929 * #
US-PATENT-CLASS-250-71 5	c 14	N72-17328 * #	US-PATENT-CLASS-252-361	c 71	N83-35781 * #	US-PATENT-CLASS-260-2 5	c 18	N71-26155 * #
US-PATENT-CLASS-250-71R	c 06	N73-16106 * #	US-PATENT-CLASS-252-364	c 28	N81-15119 * #	US-PATENT-CLASS-260-2 5	c 06	N72-25150 * #
US-PATENT-CLASS-250-71	c 14	N70-41676 * #	US-PATENT-CLASS-252-373	c 44	N76-29704 * #	US-PATENT-CLASS-260-2P	c 37	N78-32256 * #
US-PATENT-CLASS-250-83 3H	c 14	N72-21408 * #	US-PATENT-CLASS-252-373	c 44	N77-10636 * #	US-PATENT-CLASS-260-2R	c 27	N78-18126 * #
US-PATENT-CLASS-250-83 3H	c 14	N72-24477 * #	US-PATENT-CLASS-252-408	c 14	N73-14428 *	US-PATENT-CLASS-260-2R	c 27	N74-27037 * #
US-PATENT-CLASS-250-83 3H	c 14	N73-12445 * #	US-PATENT-CLASS-252-422	c 45	N82-11634 * #	US-PATENT-CLASS-260-2R	c 27	N78-15276 * #
US-PATENT-CLASS-250-83 3H	c 14	N73-20475 * #	US-PATENT-CLASS-252-431N	c 06	N73-32029 * #	US-PATENT-CLASS-260-211 5	c 06	N72-25149 * #
US-PATENT-CLASS-250-83 3H	c 14	N73-25462 * #	US-PATENT-CLASS-252-431R	c 06	N73-32029 * #	US-PATENT-CLASS-260-240G	c 27	N76-32315 * #
US-PATENT-CLASS-250-83 3R	c 14	N73-12445 * #	US-PATENT-CLASS-252-472	c 25	N78-10225 * #	US-PATENT-CLASS-260-28 5	c 27	N78-33228 * #
US-PATENT-CLASS-250-83 3R	c 14	N73-20477 * #	US-PATENT-CLASS-252-514	c 05	N72-25120 * #	US-PATENT-CLASS-260-29 1R	c 24	N78-24290 * #
US-PATENT-CLASS-250-83 3R	c 14	N73-32317 * #	US-PATENT-CLASS-252-514	c 44	N79-31752 * #	US-PATENT-CLASS-260-29 6RB	c 25	N81-19242 * #
US-PATENT-CLASS-250-83 3UV	c 10	N72-17173 * #	US-PATENT-CLASS-252-514	c 25	N82-26396 *	US-PATENT-CLASS-260-29 6S	c 27	N74-17283 * #
US-PATENT-CLASS-250-83 3UV	c 14	N72-25409 * #	US-PATENT-CLASS-252-518	c 24	N79-14156 * #	US-PATENT-CLASS-260-29 6	c 26	N75-27125 * #
US-PATENT-CLASS-250-83 3UV	c 06	N73-16106 * #	US-PATENT-CLASS-252-549	c 23	N75-14834 * #	US-PATENT-CLASS-260-2	c 06	N71-11243 * #
US-PATENT-CLASS-250-83 3	c 21	N70-33181 *	US-PATENT-CLASS-252-58	c 18	N70-39897 * #	US-PATENT-CLASS-260-2	c 06	N71-20717 * #
US-PATENT-CLASS-250-83 3	c 21	N70-34297 * #	US-PATENT-CLASS-252-5	c 25	N83-33977 * #	US-PATENT-CLASS-260-2	c 06	N71-20905 * #
US-PATENT-CLASS-250-83 3	c 14	N71-15599 * #	US-PATENT-CLASS-252-5	c 25	N83-36118 * #	US-PATENT-CLASS-260-2	c 06	N71-27363 * #
US-PATENT-CLASS-250-83 3	c 14	N71-18699 * #	US-PATENT-CLASS-252-62 3E	c 44	N80-24741 * #	US-PATENT-CLASS-260-2	c 06	N73-30102 * #
US-PATENT-CLASS-250-83 3	c 14	N71-21088 * #	US-PATENT-CLASS-252-62 3E	c 44	N81-19558 * #	US-PATENT-CLASS-260-2	c 06	N79-21190 * #
US-PATENT-CLASS-250-83 3	c 09	N71-22985 * #	US-PATENT-CLASS-252-62 3GA	c 25	N75-26043 * #	US-PATENT-CLASS-260-30 2	c 27	N73-27980 * #
US-PATENT-CLASS-250-83 3	c 14	N71-25901 * #	US-PATENT-CLASS-252-62 3	c 26	N71-23292 *	US-PATENT-CLASS-260-30 4N	c 06	N78-17205 * #
US-PATENT-CLASS-250-83 3	c 14	N71-26475 * #	US-PATENT-CLASS-252-62 3	c 76	N76-25049 * #	US-PATENT-CLASS-260-30 BDS	c 06	N73-27980 * #
US-PATENT-CLASS-250-83 3	c 14	N71-27323 * #	US-PATENT-CLASS-252-62	c 27	N74-27037 * #	US-PATENT-CLASS-260-307G	c 27	N79-22300 * #
US-PATENT-CLASS-250-83 3	c 14	N72-17328 * #	US-PATENT-CLASS-252-70	c 23	N75-14834 *	US-PATENT-CLASS-260-32 2R	c 27	N78-17205 * #
US-PATENT-CLASS-250-83 3	c 35	N75-27329 * #	US-PATENT-CLASS-252-8 1	c 18	N73-26572 * #	US-PATENT-CLASS-260-32 6N	c 27	N78-17205 * #
US-PATENT-CLASS-250-83 6R	c 14	N71-27090 *	US-PATENT-CLASS					

US-PATENT-CLASS-260-33 6R	c 06	N73-27980 * #	US-PATENT-CLASS-260-78UA	c 06	N73-27980 * #	US-PATENT-CLASS-264-257	c 37	N74-18126 * #
US-PATENT-CLASS-260-33 6UB	c 27	N81-15104 * #	US-PATENT-CLASS-260-78	c 06	N71-11235 * #	US-PATENT-CLASS-264-258	c 24	N81-29163 * #
US-PATENT-CLASS-260-33 8EP	c 24	N78-27180 * #	US-PATENT-CLASS-260-78	c 06	N71-11238 * #	US-PATENT-CLASS-264-258	c 27	N83-34041 * #
US-PATENT-CLASS-260-33 8F	c 27	N76-24405 * #	US-PATENT-CLASS-260-830S	c 15	N79-26100 * #	US-PATENT-CLASS-264-258	c 27	N85-20124 * #
US-PATENT-CLASS-260-33.8F	c 25	N81-14016 * #	US-PATENT-CLASS-260-85 5	c 06	N71-23500 * #	US-PATENT-CLASS-264-259	c 24	N81-29163 * #
US-PATENT-CLASS-260-33 8UA	c 24	N78-27180 * #	US-PATENT-CLASS-260-858	c 27	N81-14076 * #	US-PATENT-CLASS-264-267	c 37	N76-24575 * #
US-PATENT-CLASS-260-340 9R	c 23	N82-16174 * #	US-PATENT-CLASS-260-877	c 06	N72-22107 * #	US-PATENT-CLASS-264-267	c 26	N71-17818 * #
US-PATENT-CLASS-260-346 3	c 23	N75-30256 * #	US-PATENT-CLASS-260-879	c 27	N76-16228 * #	US-PATENT-CLASS-264-28	c 15	N73-12489 * #
US-PATENT-CLASS-260-346 3	c 23	N76-15268 * #	US-PATENT-CLASS-260-886	c 27	N81-14076 * #	US-PATENT-CLASS-264-294	c 31	N74-13177 * #
US-PATENT-CLASS-260-346 3	c 27	N80-32515 * #	US-PATENT-CLASS-260-8900	c 27	N81-14076 * #	US-PATENT-CLASS-264-3R	c 28	N77-10213 * #
US-PATENT-CLASS-260-348SC	c 06	N72-25148 * #	US-PATENT-CLASS-260-895	c 27	N81-14076 * #	US-PATENT-CLASS-264-3R	c 20	N77-17143 * #
US-PATENT-CLASS-260-37EP	c 24	N78-24290 * #	US-PATENT-CLASS-260-898	c 27	N81-14076 * #	US-PATENT-CLASS-264-304	c 37	N76-31524 * #
US-PATENT-CLASS-260-37EP	c 24	N78-27180 * #	US-PATENT-CLASS-260-900	c 27	N76-16228 * #	US-PATENT-CLASS-264-305	c 37	N76-31524 * #
US-PATENT-CLASS-260-37EP	c 15	N79-26100 * #	US-PATENT-CLASS-260-900	c 27	N81-14076 * #	US-PATENT-CLASS-264-308	c 37	N76-31524 * #
US-PATENT-CLASS-260-37EP	c 27	N81-17260 * #	US-PATENT-CLASS-260-92 1	c 06	N72-25150 * #	US-PATENT-CLASS-264-310	c 37	N76-31524 * #
US-PATENT-CLASS-260-37N	c 27	N79-28307 * #	US-PATENT-CLASS-260-92 1	c 06	N72-25152 * #	US-PATENT-CLASS-264-311	c 24	N81-29163 * #
US-PATENT-CLASS-260-37	c 18	N71-25881 * #	US-PATENT-CLASS-260-92 1	c 27	N76-16228 * #	US-PATENT-CLASS-264-318	c 37	N76-31524 * #
US-PATENT-CLASS-260-37	c 27	N81-24258 * #	US-PATENT-CLASS-260-92 1	c 27	N76-24405 * #	US-PATENT-CLASS-264-331 12	c 27	N85-20124 * #
US-PATENT-CLASS-260-386	c 25	N82-24312 * #	US-PATENT-CLASS-260-926	c 27	N80-10358 * #	US-PATENT-CLASS-264-331 19	c 27	N85-20124 * #
US-PATENT-CLASS-260-389	c 25	N82-24312 * #	US-PATENT-CLASS-260-93 5A	c 06	N73-32029 * #	US-PATENT-CLASS-264-331 46	c 27	N83-34041 * #
US-PATENT-CLASS-260-396N	c 27	N74-27037 * #	US-PATENT-CLASS-260-93 5S	c 06	N73-32029 * #	US-PATENT-CLASS-264-331	c 27	N76-16230 * #
US-PATENT-CLASS-260-404 5	c 18	N71-15688 * #	US-PATENT-CLASS-260-94 2M	c 06	N73-32029 * #	US-PATENT-CLASS-264-332	c 37	N81-25371 * #
US-PATENT-CLASS-260-42 17	c 27	N78-17215 * #	US-PATENT-CLASS-260-94 2R	c 06	N73-32029 * #	US-PATENT-CLASS-264-334	c 37	N76-31524 * #
US-PATENT-CLASS-260-42 43	c 24	N78-27180 * #	US-PATENT-CLASS-260-94 7R	c 06	N73-32029 * #	US-PATENT-CLASS-264-342R	c 44	N79-24432 * #
US-PATENT-CLASS-260-429	c 06	N71-28808 * #	US-PATENT-CLASS-260-94 8	c 27	N73-22710 * #	US-PATENT-CLASS-264-342S	c 37	N82-24491 * #
US-PATENT-CLASS-260-42	c 27	N79-28307 * #	US-PATENT-CLASS-260-959	c 27	N78-32256 * #	US-PATENT-CLASS-264-345	c 71	N78-10837 * #
US-PATENT-CLASS-260-448 2D	c 06	N72-25151 * #	US-PATENT-CLASS-260-96D	c 28	N81-15119 * #	US-PATENT-CLASS-264-34	c 44	N79-24432 * #
US-PATENT-CLASS-260-448 2D	c 06	N73-32030 * #	US-PATENT-CLASS-261-DIG 75	c 34	N77-24423 * #	US-PATENT-CLASS-264-35	c 44	N79-24432 * #
US-PATENT-CLASS-260-448 2N	c 37	N74-21058 * #	US-PATENT-CLASS-261-118	c 31	N80-18231 * #	US-PATENT-CLASS-264-36	c 15	N73-12489 * #
US-PATENT-CLASS-260-448 2	c 06	N71-23230 * #	US-PATENT-CLASS-261-123	c 34	N77-24423 * #	US-PATENT-CLASS-264-36	c 32	N74-27612 * #
US-PATENT-CLASS-260-45 7R	c 24	N78-27180 * #	US-PATENT-CLASS-261-145	c 28	N72-22772 * #	US-PATENT-CLASS-264-3	c 28	N71-26779 * #
US-PATENT-CLASS-260-45 7R	c 27	N82-16238 * #	US-PATENT-CLASS-261-28	c 07	N81-29129 * #	US-PATENT-CLASS-264-40 4	c 35	N80-18357 * #
US-PATENT-CLASS-260-45 75W	c 24	N78-27180 * #	US-PATENT-CLASS-261-79A	c 54	N81-24724 * #	US-PATENT-CLASS-264-40	c 15	N73-12489 * #
US-PATENT-CLASS-260-45 7	c 27	N76-24405 * #	US-PATENT-CLASS-263-48	c 15	N69-27483 * #	US-PATENT-CLASS-264-41	c 25	N81-19244 * #
US-PATENT-CLASS-260-45 85N	c 24	N78-27180 * #	US-PATENT-CLASS-264-DIG 36	c 18	N73-14584 * #	US-PATENT-CLASS-264-41	c 51	N84-28361 * #
US-PATENT-CLASS-260-45 9R	c 24	N78-27180 * #	US-PATENT-CLASS-264-DIG 44	c 15	N72-16329 * #	US-PATENT-CLASS-264-453	c 25	N82-21268 * #
US-PATENT-CLASS-260-46 5E	c 06	N72-25151 * #	US-PATENT-CLASS-264-DIG 65	c 27	N85-20124 * #	US-PATENT-CLASS-264-510	c 44	N79-24432 * #
US-PATENT-CLASS-260-46 5G	c 06	N72-25151 * #	US-PATENT-CLASS-264-102	c 15	N71-10672 * #	US-PATENT-CLASS-264-516	c 44	N79-24432 * #
US-PATENT-CLASS-260-46 5P	c 06	N72-25151 * #	US-PATENT-CLASS-264-102	c 15	N73-12489 * #	US-PATENT-CLASS-264-53	c 25	N82-21268 * #
US-PATENT-CLASS-260-46 5R	c 06	N73-26100 * #	US-PATENT-CLASS-264-102	c 31	N74-14133 * #	US-PATENT-CLASS-264-59	c 24	N84-16262 * #
US-PATENT-CLASS-260-46 5	c 06	N71-11237 * #	US-PATENT-CLASS-264-102	c 31	N74-18124 * #	US-PATENT-CLASS-264-5	c 31	N81-33319 * #
US-PATENT-CLASS-260-46 5	c 06	N71-11240 * #	US-PATENT-CLASS-264-102	c 37	N76-24575 * #	US-PATENT-CLASS-264-5	c 37	N82-28442 * #
US-PATENT-CLASS-260-465 5R	c 27	N81-24256 * #	US-PATENT-CLASS-264-102	c 15	N79-26100 * #	US-PATENT-CLASS-264-5	c 31	N83-31896 * #
US-PATENT-CLASS-260-465 5R	c 27	N84-22744 * #	US-PATENT-CLASS-264-104	c 05	N72-25120 * #	US-PATENT-CLASS-264-5	c 31	N83-35176 * #
US-PATENT-CLASS-260-465 6	c 27	N84-22744 * #	US-PATENT-CLASS-264-104	c 27	N81-24257 * #	US-PATENT-CLASS-264-60	c 37	N76-22376 * #
US-PATENT-CLASS-260-47CP	c 06	N73-27980 * #	US-PATENT-CLASS-264-104	c 23	N81-29160 * #	US-PATENT-CLASS-264-60	c 27	N79-14213 * #
US-PATENT-CLASS-260-47CP	c 23	N76-15268 * #	US-PATENT-CLASS-264-104	c 25	N83-13188 * #	US-PATENT-CLASS-264-60	c 24	N84-16262 * #
US-PATENT-CLASS-260-47CP	c 27	N78-31232 * #	US-PATENT-CLASS-264-105	c 27	N81-24257 * #	US-PATENT-CLASS-264-63	c 27	N76-22376 * #
US-PATENT-CLASS-260-47CP	c 27	N78-32261 * #	US-PATENT-CLASS-264-111	c 17	N71-29137 * #	US-PATENT-CLASS-264-65	c 18	N73-14584 * #
US-PATENT-CLASS-260-47UP	c 06	N73-32029 * #	US-PATENT-CLASS-264-112	c 27	N85-20124 * #	US-PATENT-CLASS-264-66	c 27	N76-22376 * #
US-PATENT-CLASS-260-47	c 06	N71-28820 * #	US-PATENT-CLASS-264-118	c 24	N80-26388 * #	US-PATENT-CLASS-264-70	c 44	N79-24432 * #
US-PATENT-CLASS-260-47	c 06	N71-28807 * #	US-PATENT-CLASS-264-118	c 24	N84-16262 * #	US-PATENT-CLASS-264-71	c 44	N79-24432 * #
US-PATENT-CLASS-260-485F	c 06	N73-30098 * #	US-PATENT-CLASS-264-118	c 24	N80-26388 * #	US-PATENT-CLASS-264-90	c 24	N78-17150 * #
US-PATENT-CLASS-260-49	c 27	N78-32261 * #	US-PATENT-CLASS-264-120	c 27	N85-20124 * #	US-PATENT-CLASS-264-92	c 15	N71-17803 * #
US-PATENT-CLASS-260-520	c 23	N75-30256 * #	US-PATENT-CLASS-264-124	c 24	N80-26388 * #	US-PATENT-CLASS-264-92	c 15	N72-24522 * #
US-PATENT-CLASS-260-535H	c 06	N72-27144 * #	US-PATENT-CLASS-264-129	c 37	N76-31524 * #	US-PATENT-CLASS-264-9	c 31	N81-33319 * #
US-PATENT-CLASS-260-53	c 27	N79-28307 * #	US-PATENT-CLASS-264-12	c 31	N83-35176 * #	US-PATENT-CLASS-264-9	c 31	N83-31896 * #
US-PATENT-CLASS-260-544F	c 06	N72-20121 * #	US-PATENT-CLASS-264-130	c 27	N78-32262 * #	US-PATENT-CLASS-266-119	c 26	N80-28492 * #
US-PATENT-CLASS-260-551P	c 27	N78-32256 * #	US-PATENT-CLASS-264-135	c 37	N74-18126 * #	US-PATENT-CLASS-266-19	c 15	N70-33382 * #
US-PATENT-CLASS-260-566B	c 27	N76-32315 * #	US-PATENT-CLASS-264-136	c 37	N74-18126 * #	US-PATENT-CLASS-266-249	c 26	N80-28492 * #
US-PATENT-CLASS-260-567 6M	c 06	N73-32029 * #	US-PATENT-CLASS-264-137	c 27	N79-33316 * #	US-PATENT-CLASS-266-24	c 17	N72-28535 * #
US-PATENT-CLASS-260-571	c 23	N76-15268 * #	US-PATENT-CLASS-264-137	c 27	N81-14078 * #	US-PATENT-CLASS-266-274	c 26	N80-28492 * #
US-PATENT-CLASS-260-606-5P	c 27	N78-32256 * #	US-PATENT-CLASS-264-137	c 27	N81-29229 * #	US-PATENT-CLASS-267-150	c 37	N85-34401 * #
US-PATENT-CLASS-260-615	c 06	N71-27254 * #	US-PATENT-CLASS-264-137	c 27	N83-34041 * #	US-PATENT-CLASS-267-166	c 34	N74-18552 * #
US-PATENT-CLASS-260-615	c 06	N73-30101 * #	US-PATENT-CLASS-264-137	c 27	N85-20124 * #	US-PATENT-CLASS-267-1	c 15	N69-27504 * #
US-PATENT-CLASS-260-63N	c 27	N78-31232 * #	US-PATENT-CLASS-264-145	c 15	N79-26100 * #	US-PATENT-CLASS-267-1	c 15	N70-38225 * #
US-PATENT-CLASS-260-63N	c 27	N78-32261 * #	US-PATENT-CLASS-264-151	c 15	N79-26100 * #	US-PATENT-CLASS-267-64	c 15	N71-21530 * #
US-PATENT-CLASS-260-63R	c 27	N78-32261 * #	US-PATENT-CLASS-264-152	c 27	N85-20124 * #	US-PATENT-CLASS-267-8R	c 37	N85-34401 * #
US-PATENT-CLASS-260-65	c 06	N73-27980 * #	US-PATENT-CLASS-264-157	c 24	N78-17150 * #	US-PATENT-CLASS-269-152	c 18	N83-29303 * #
US-PATENT-CLASS-260-65	c 27	N78-32261 * #	US-PATENT-CLASS-264-161	c 27	N76-31524 * #	US-PATENT-CLASS-269-153	c 44	N79-19447 * #
US-PATENT-CLASS-260-65	c 23	N82-29358 * #	US-PATENT-CLASS-264-175	c 15	N79-26100 * #	US-PATENT-CLASS-269-156	c 37	N80-14398 * #
US-PATENT-CLASS-260-67	c 27	N78-17214 * #	US-PATENT-CLASS-264-184	c 27	N78-32262 * #	US-PATENT-CLASS-269-21	c 37	N76-21554 * #
US-PATENT-CLASS-260-67	c 27	N79-21191 * #	US-PATENT-CLASS-264-1	c 44	N79-24432 * #	US-PATENT-CLASS-269-21	c 37	N78-17383 * #
US-PATENT-CLASS-260-72 5	c 06	N71-11236 * #	US-PATENT-CLASS-264-211	c 27	N78-32262 * #	US-PATENT-CLASS-269-21	c 37	N78-27423 * #
US-PATENT-CLASS-260-72 5	c 06	N71-11239 * #	US-PATENT-CLASS-264-212	c 27	N80-32516 * #	US-PATENT-CLASS-269-21	c 76	N80-18951 * #
US-PATENT-CLASS-260-72 5	c 06	N71-24740 * #	US-PATENT-CLASS-264-216	c 25	N82-21268 * #	US-PATENT-CLASS-269-21	c 37	N81-33482 * #
US-PATENT-CLASS-260-75NH	c 27	N78-17213 * #	US-PATENT-CLASS-264-217	c 25	N75-12087 * #	US-PATENT-CLASS-269-224	c 37	N84-28083 * #
US-PATENT-CLASS-260-75NK	c 27	N78-17213 * #	US-PATENT-CLASS-264-219	c 37	N76-31524 * #	US-PATENT-CLASS-269-242	c 18	N83-29303 * #
US-PATENT-CLASS-260-75NT	c 27	N78-17213 * #	US-PATENT-CLASS-264-220	c 27	N82-28440 * #	US-PATENT-CLASS-269-242	c 37	N84-28083 * #
US-PATENT-CLASS-260-77 5AM	c 27	N78-17213 * #	US-PATENT-CLASS-264-221	c 15	N72-16329 * #	US-PATENT-CLASS-269-244	c 18	N83-29303 * #
US-PATENT-CLASS-260-77 5AN	c 27	N78-17213 * #	US-PATENT-CLASS-264-225	c 15	N72-16329 * #	US-PATENT-CLASS-269-244	c 37	N84-28083 * #
US-PATENT-CLASS-260-77 5AP	c 06	N72-27144 * #	US-PATENT-CLASS-264-227	c 15	N72-16329 * #	US-PATENT-CLASS-269-252	c 37	N84-28083 * #
US-PATENT-CLASS-260-77 5AP	c 06	N73-33076 * #	US-PATENT-CLASS-264-229	c 24	N81-29163 * #	US-PATENT-CLASS-269-266	c 37	N78-27423 * #
US-PATENT-CLASS-260-77 5AP	c 27	N71-31308 * #	US-PATENT-CLASS-264-22	c 15	N72-20446 * #	US-PATENT-CLASS-269-285	c 37	N84-28083 * #
US-PATENT-CLASS-260-77 5AP	c 27	N78-17213 * #	US-PATENT-CLASS-264-22	c 14	N72-22439 * #	US-PATENT-CLASS-269-287	c 37	N80-23655 * #
US-PATENT-CLASS-260-77 5AT	c 27	N78-17213 * #	US-PATENT-CLASS-264-22	c 25	N75-12087 * #	US-PATENT-CLASS-269-3	c 37	N8

US-PATENT-CLASS-272-73	c 37	N74-18127 *	#	US-PATENT-CLASS-287-189 36	c 15	N71-10799 *	#	US-PATENT-CLASS-29-472 9	c 15	N69-39786 *	#
US-PATENT-CLASS-272-79C	c 05	N73-32014 *	#	US-PATENT-CLASS-287-54A	c 11	N72-25287 *	#	US-PATENT-CLASS-29-472 9	c 26	N71-16037 *	#
US-PATENT-CLASS-272-80	c 37	N74-18127 *	#	US-PATENT-CLASS-287-85R	c 15	N73-12488 *	#	US-PATENT-CLASS-29-472 9	c 15	N72-22492 *	#
US-PATENT-CLASS-273-1E	c 05	N73-13114 *	#	US-PATENT-CLASS-287-92	c 31	N73-32749 *	#	US-PATENT-CLASS-29-473 1	c 15	N72-22487 *	#
US-PATENT-CLASS-273-240	c 31	N83-34073 *	#	US-PATENT-CLASS-29-DIG 1	c 44	N81-14389 *	#	US-PATENT-CLASS-29-473 1	c 15	N72-22492 *	#
US-PATENT-CLASS-274-4R	c 09	N72-11224 *	#	US-PATENT-CLASS-29-DIG 24	c 24	N75-33181 *	#	US-PATENT-CLASS-29-473 1	c 37	N75-15992 *	#
US-PATENT-CLASS-277-105	c 37	N82-24490 *	#	US-PATENT-CLASS-29-DIG 35	c 37	N77-23482 *	#	US-PATENT-CLASS-29-475	c 37	N75-12326 *	#
US-PATENT-CLASS-277-116 6	c 37	N84-11497 *	#	US-PATENT-CLASS-29-DIG 39	c 24	N75-33181 *	#	US-PATENT-CLASS-29-482	c 05	N72-25121 *	#
US-PATENT-CLASS-277-124	c 37	N84-11497 *	#	US-PATENT-CLASS-29-125	c 37	N79-10422 *	#	US-PATENT-CLASS-29-482	c 37	N74-18128 *	#
US-PATENT-CLASS-277-134	c 37	N75-21631 *	#	US-PATENT-CLASS-29-148 4A	c 37	N74-15128 *	#	US-PATENT-CLASS-29-487	c 15	N73-33383 *	#
US-PATENT-CLASS-277-134	c 07	N78-25090 *	#	US-PATENT-CLASS-29-148 4B	c 37	N74-15128 *	#	US-PATENT-CLASS-29-487	c 37	N74-21055 *	#
US-PATENT-CLASS-277-135	c 37	N85-29284 *	#	US-PATENT-CLASS-29-148 4	c 15	N71-16052 *	#	US-PATENT-CLASS-29-488	c 15	N70-33311 *	#
US-PATENT-CLASS-277-13	c 15	N71-26294 *	#	US-PATENT-CLASS-29-148 4	c 15	N71-17688 *	#	US-PATENT-CLASS-29-488	c 37	N74-18128 *	#
US-PATENT-CLASS-277-153	c 37	N80-28711 *	#	US-PATENT-CLASS-29-155 55	c 15	N71-15986 *	#	US-PATENT-CLASS-29-492	c 15	N71-20443 *	#
US-PATENT-CLASS-277-153	c 37	N81-26447 *	#	US-PATENT-CLASS-29-156 8R	c 37	N78-24544 *	#	US-PATENT-CLASS-29-492	c 09	N72-25261 *	#
US-PATENT-CLASS-277-164	c 37	N84-11497 *	#	US-PATENT-CLASS-29-157 3H	c 74	N83-19596 *	#	US-PATENT-CLASS-29-494	c 15	N73-33383 *	#
US-PATENT-CLASS-277-177	c 37	N84-11497 *	#	US-PATENT-CLASS-29-157 3R	c 34	N74-18552 *	#	US-PATENT-CLASS-29-494	c 37	N74-21055 *	#
US-PATENT-CLASS-277-181	c 37	N81-15363 *	#	US-PATENT-CLASS-29-157 3	c 28	N70-41818 *	#	US-PATENT-CLASS-29-494	c 37	N75-13261 *	#
US-PATENT-CLASS-277-189	c 37	N82-16408 *	#	US-PATENT-CLASS-29-157	c 28	N71-15658 *	#	US-PATENT-CLASS-29-495	c 15	N71-21078 *	#
US-PATENT-CLASS-277-190	c 37	N84-11497 *	#	US-PATENT-CLASS-29-182 1	c 18	N71-23710 *	#	US-PATENT-CLASS-29-497 5	c 15	N73-28515 *	#
US-PATENT-CLASS-277-192	c 37	N79-22474 *	#	US-PATENT-CLASS-29-182 2	c 17	N71-23046 *	#	US-PATENT-CLASS-29-497 5	c 15	N73-33383 *	#
US-PATENT-CLASS-277-193	c 37	N80-28711 *	#	US-PATENT-CLASS-29-182 5	c 37	N75-26371 *	#	US-PATENT-CLASS-29-497 5	c 37	N74-11300 *	#
US-PATENT-CLASS-277-193	c 37	N81-26447 *	#	US-PATENT-CLASS-29-182 5	c 17	N72-28536 *	#	US-PATENT-CLASS-29-497 5	c 37	N75-13261 *	#
US-PATENT-CLASS-277-1	c 37	N82-24490 *	#	US-PATENT-CLASS-29-182 5	c 37	N75-26371 *	#	US-PATENT-CLASS-29-497	c 09	N72-25261 *	#
US-PATENT-CLASS-277-204	c 37	N82-24490 *	#	US-PATENT-CLASS-29-182 5	c 27	N76-15311 *	#	US-PATENT-CLASS-29-497	c 15	N73-32358 *	#
US-PATENT-CLASS-277-224	c 37	N80-28711 *	#	US-PATENT-CLASS-29-182 5	c 27	N77-13217 *	#	US-PATENT-CLASS-29-497	c 37	N74-18128 *	#
US-PATENT-CLASS-277-229	c 37	N81-15363 *	#	US-PATENT-CLASS-29-182	c 37	N74-13179 *	#	US-PATENT-CLASS-29-498	c 09	N72-25261 *	#
US-PATENT-CLASS-277-229	c 15	N69-21362 *	#	US-PATENT-CLASS-29-182	c 34	N76-27515 *	#	US-PATENT-CLASS-29-498	c 15	N73-33383 *	#
US-PATENT-CLASS-277-25	c 15	N71-19570 *	#	US-PATENT-CLASS-29-183 5	c 17	N70-38490 *	#	US-PATENT-CLASS-29-498	c 37	N74-11301 *	#
US-PATENT-CLASS-277-25	c 15	N72-29488 *	#	US-PATENT-CLASS-29-193	c 34	N76-27515 *	#	US-PATENT-CLASS-29-498	c 37	N74-18128 *	#
US-PATENT-CLASS-277-25	c 37	N74-10474 *	#	US-PATENT-CLASS-29-194	c 26	N75-19408 *	#	US-PATENT-CLASS-29-498	c 37	N74-21055 *	#
US-PATENT-CLASS-277-25	c 07	N78-25090 *	#	US-PATENT-CLASS-29-194	c 44	N76-14595 *	#	US-PATENT-CLASS-29-502	c 09	N72-25261 *	#
US-PATENT-CLASS-277-27	c 15	N72-29488 *	#	US-PATENT-CLASS-29-195A	c 27	N76-16229 *	#	US-PATENT-CLASS-29-503	c 37	N74-11301 *	#
US-PATENT-CLASS-277-27	c 37	N74-10474 *	#	US-PATENT-CLASS-29-195Y	c 14	N73-92320 *	#	US-PATENT-CLASS-29-504	c 37	N74-21055 *	#
US-PATENT-CLASS-277-27	c 37	N74-15125 *	#	US-PATENT-CLASS-29-195	c 44	N76-14595 *	#	US-PATENT-CLASS-29-504	c 37	N75-13261 *	#
US-PATENT-CLASS-277-27	c 37	N75-21631 *	#	US-PATENT-CLASS-29-196 2	c 17	N73-32414 *	#	US-PATENT-CLASS-29-517	c 15	N71-17650 *	#
US-PATENT-CLASS-277-27	c 37	N82-12442 *	#	US-PATENT-CLASS-29-196 2	c 26	N75-19408 *	#	US-PATENT-CLASS-29-521	c 26	N83-10170 *	#
US-PATENT-CLASS-277-2	c 37	N82-24490 *	#	US-PATENT-CLASS-29-196 6	c 17	N73-32414 *	#	US-PATENT-CLASS-29-526	c 37	N76-19437 *	#
US-PATENT-CLASS-277-40	c 37	N75-21631 *	#	US-PATENT-CLASS-29-196 6	c 37	N75-13261 *	#	US-PATENT-CLASS-29-526	c 39	N76-31562 *	#
US-PATENT-CLASS-277-40	c 37	N82-12442 *	#	US-PATENT-CLASS-29-197	c 26	N75-19408 *	#	US-PATENT-CLASS-29-527 2	c 15	N72-20444 *	#
US-PATENT-CLASS-277-41	c 37	N76-22541 *	#	US-PATENT-CLASS-29-197	c 17	N73-32414 *	#	US-PATENT-CLASS-29-527 2	c 15	N73-32360 *	#
US-PATENT-CLASS-277-4	c 37	N76-22541 *	#	US-PATENT-CLASS-29-197	c 37	N75-13261 *	#	US-PATENT-CLASS-29-527 2	c 37	N74-11301 *	#
US-PATENT-CLASS-277-59	c 37	N82-24490 *	#	US-PATENT-CLASS-29-197	c 26	N75-19408 *	#	US-PATENT-CLASS-29-527 2	c 24	N75-33181 *	#
US-PATENT-CLASS-277-62	c 37	N82-24490 *	#	US-PATENT-CLASS-29-198	c 44	N76-14595 *	#	US-PATENT-CLASS-29-527 2	c 24	N77-19171 *	#
US-PATENT-CLASS-277-72R	c 37	N79-22475 *	#	US-PATENT-CLASS-29-198	c 17	N70-33288 *	#	US-PATENT-CLASS-29-57-4	c 44	N79-24431 *	#
US-PATENT-CLASS-277-74	c 37	N82-24490 *	#	US-PATENT-CLASS-29-203H	c 09	N72-25259 *	#	US-PATENT-CLASS-29-570	c 26	N72-28761 *	#
US-PATENT-CLASS-277-74	c 15	N72-29488 *	#	US-PATENT-CLASS-29-203MW	c 37	N74-32918 *	#	US-PATENT-CLASS-29-571	c 35	N75-13213 *	#
US-PATENT-CLASS-277-80	c 37	N76-22541 *	#	US-PATENT-CLASS-29-203V	c 33	N74-26977 *	#	US-PATENT-CLASS-29-571	c 33	N78-27326 *	#
US-PATENT-CLASS-277-81R	c 37	N85-29284 *	#	US-PATENT-CLASS-29-23 5	c 15	N73-14468 *	#	US-PATENT-CLASS-29-571	c 33	N81-26360 *	#
US-PATENT-CLASS-277-91	c 37	N82-16408 *	#	US-PATENT-CLASS-29-234	c 37	N78-24544 *	#	US-PATENT-CLASS-29-572	c 09	N71-20327 *	#
US-PATENT-CLASS-277-93R	c 37	N74-15125 *	#	US-PATENT-CLASS-29-244	c 15	N70-36901 *	#	US-PATENT-CLASS-29-572	c 03	N71-24681 *	#
US-PATENT-CLASS-277-93R	c 37	N76-22541 *	#	US-PATENT-CLASS-29-244	c 37	N78-24544 *	#	US-PATENT-CLASS-29-572	c 03	N72-22041 *	#
US-PATENT-CLASS-277-96 1	c 37	N82-12442 *	#	US-PATENT-CLASS-29-25 14	c 05	N72-25121 *	#	US-PATENT-CLASS-29-572	c 44	N74-14784 *	#
US-PATENT-CLASS-277-96	c 37	N79-22475 *	#	US-PATENT-CLASS-29-25 14	c 35	N82-24471 *	#	US-PATENT-CLASS-29-572	c 44	N76-14600 *	#
US-PATENT-CLASS-277-96	c 37	N74-10474 *	#	US-PATENT-CLASS-29-25 18	c 09	N71-26678 *	#	US-PATENT-CLASS-29-572	c 44	N76-28635 *	#
US-PATENT-CLASS-277-96	c 37	N81-24442 *	#	US-PATENT-CLASS-29-25 18	c 05	N72-25121 *	#	US-PATENT-CLASS-29-572	c 44	N77-10635 *	#
US-PATENT-CLASS-277-96	c 37	N75-33395 *	#	US-PATENT-CLASS-29-25 18	c 20	N75-18310 *	#	US-PATENT-CLASS-29-572	c 44	N78-24609 *	#
US-PATENT-CLASS-279-107	c 37	N75-33395 *	#	US-PATENT-CLASS-29-25 18	c 20	N76-21276 *	#	US-PATENT-CLASS-29-572	c 44	N78-25527 *	#
US-PATENT-CLASS-279-3	c 37	N78-17383 *	#	US-PATENT-CLASS-29-25 35	c 35	N80-20559 *	#	US-PATENT-CLASS-29-572	c 44	N78-25528 *	#
US-PATENT-CLASS-279-89	c 37	N75-33395 *	#	US-PATENT-CLASS-29-25 42	c 26	N72-28762 *	#	US-PATENT-CLASS-29-572	c 44	N78-25529 *	#
US-PATENT-CLASS-280-150SB	c 05	N75-25915 *	#	US-PATENT-CLASS-29-25A	c 37	N78-24544 *	#	US-PATENT-CLASS-29-572	c 44	N79-11468 *	#
US-PATENT-CLASS-280-432	c 37	N77-14477 *	#	US-PATENT-CLASS-29-26A	c 37	N75-33395 *	#	US-PATENT-CLASS-29-572	c 44	N79-11472 *	#
US-PATENT-CLASS-280-805	c 37	N82-18601 *	#	US-PATENT-CLASS-29-267	c 60	N82-24839 *	#	US-PATENT-CLASS-29-572	c 44	N79-17314 *	#
US-PATENT-CLASS-285-DIG 21	c 15	N72-25450 *	#	US-PATENT-CLASS-29-268	c 37	N74-32918 *	#	US-PATENT-CLASS-29-572	c 44	N79-18444 *	#
US-PATENT-CLASS-285-DIG 21	c 33	N73-26958 *	#	US-PATENT-CLASS-29-271	c 15	N70-41371 *	#	US-PATENT-CLASS-29-572	c 44	N79-24431 *	#
US-PATENT-CLASS-285-114	c 37	N75-19686 *	#	US-PATENT-CLASS-29-278R	c 15	N71-29133 *	#	US-PATENT-CLASS-29-572	c 44	N79-26475 *	#
US-PATENT-CLASS-285-159	c 37	N82-24494 *	#	US-PATENT-CLASS-29-400	c 05	N71-12345 *	#	US-PATENT-CLASS-29-572	c 44	N79-31752 *	#
US-PATENT-CLASS-285-18	c 15	N72-20445 *	#	US-PATENT-CLASS-29-412	c 24	N72-20444 *	#	US-PATENT-CLASS-29-572	c 44	N80-14474 *	#
US-PATENT-CLASS-285-192	c 20	N78-24275 *	#	US-PATENT-CLASS-29-419	c 24	N75-28135 *	#	US-PATENT-CLASS-29-572	c 44	N82-28780 *	#
US-PATENT-CLASS-285-226	c 37	N75-19686 *	#	US-PATENT-CLASS-29-420 5	c 26	N74-10521 *	#	US-PATENT-CLASS-29-572	c 44	N82-29709 *	#
US-PATENT-CLASS-285-226	c 37	N76-14460 *	#	US-PATENT-CLASS-29-420 5	c 37	N74-13179 *	#	US-PATENT-CLASS-29-572	c 44	N83-13579 *	#
US-PATENT-CLASS-285-235	c 54	N78-31735 *	#	US-PATENT-CLASS-29-420 5	c 37	N75-26371 *	#	US-PATENT-CLASS-29-573	c 14	N73-13417 *	#
US-PATENT-CLASS-285-235	c 54	N79-24651 *	#	US-PATENT-CLASS-29-420	c 24	N75-13032 *	#	US-PATENT-CLASS-29-576E	c 76	N85-30922 *	#
US-PATENT-CLASS-285-24	c 15	N71-10782 *	#	US-PATENT-CLASS-29-421E	c 37	N79-13364 *	#	US-PATENT-CLASS-29-576J	c 35	N82-31659 *	#
US-PATENT-CLASS-285-265	c 37	N76-14460 *	#	US-PATENT-CLASS-29-421	c 15	N71-29018 *	#	US-PATENT-CLASS-29-576J	c 76	N85-30922 *	#
US-PATENT-CLASS-285-27	c 15	N70-41808 *	#	US-PATENT-CLASS-29-421	c 14	N72-22439 *	#	US-PATENT-CLASS-29-576S	c 35	N82-31659 *	#
US-PATENT-CLASS-285-314	c 15	N71-24903 *	#	US-PATENT-CLASS-29-421	c 37	N76-14461 *	#	US-PATENT-CLASS-29-576W	c 76	N85-30922 *	#
US-PATENT-CLASS-285-316	c 15	N72-25450 *	#	US-PATENT-CLASS-29-423	c 15	N70-36409 *	#	US-PATENT-CLASS-29-577	c 44	N79-26475 *	#
US-PATENT-CLASS-285-316	c 33	N73-26958 *	#	US-PATENT-CLASS-29-423	c 31	N74-21059 *	#	US-PATENT-CLASS-29-578	c 26	N72-17820 *	#
US-PATENT-CLASS-285-317	c 15	N71-24903 *	#	US-PATENT-CLASS-29-426	c 52	N84-28389 *	#	US-PATENT-CLASS-29-578	c 33	N78-27326 *	#
US-PATENT-CLASS-285-326											

US-PATENT-CLASS-29-591

REPORT NUMBER INDEX

US-PATENT-CLASS-29-591	c 15	N73-14469 * #	US-PATENT-CLASS-3-15	c 52	N78-10686 * #	US-PATENT-CLASS-307-242	c 10	N73-13235 * #
US-PATENT-CLASS-29-591	c 44	N79-18444 * #	US-PATENT-CLASS-3-1	c 52	N77-25772 * #	US-PATENT-CLASS-307-243	c 09	N71-12516 * #
US-PATENT-CLASS-29-592	c 35	N75-13213 * #	US-PATENT-CLASS-3-21	c 54	N77-30749 * #	US-PATENT-CLASS-307-243	c 08	N72-22162 * #
US-PATENT-CLASS-29-597	c 33	N77-26385 * #	US-PATENT-CLASS-3-29	c 52	N78-10686 * #	US-PATENT-CLASS-307-243	c 33	N74-22814 * #
US-PATENT-CLASS-29-599	c 15	N72-25447 * #	US-PATENT-CLASS-3-2	c 05	N73-32013 * #	US-PATENT-CLASS-307-246	c 09	N71-27016 * #
US-PATENT-CLASS-29-599	c 26	N73-26752 * #	US-PATENT-CLASS-3-2	c 54	N77-30749 * #	US-PATENT-CLASS-307-247	c 09	N71-29139 * #
US-PATENT-CLASS-29-599	c 26	N73-32571 * #	US-PATENT-CLASS-3-2	c 52	N79-26772 * #	US-PATENT-CLASS-307-247	c 09	N72-22202 * #
US-PATENT-CLASS-29-603	c 08	N71-27210 * #	US-PATENT-CLASS-3-6	c 05	N73-32013 * #	US-PATENT-CLASS-307-251	c 09	N71-33109 * #
US-PATENT-CLASS-29-604	c 24	N75-13032 * #	US-PATENT-CLASS-30-102	c 37	N82-26672 * #	US-PATENT-CLASS-307-251	c 08	N72-22162 * #
US-PATENT-CLASS-29-610SG	c 35	N85-21598 * #	US-PATENT-CLASS-30-180	c 37	N84-28085 * #	US-PATENT-CLASS-307-252F	c 09	N72-17153 * #
US-PATENT-CLASS-29-610	c 24	N75-30260 * #	US-PATENT-CLASS-30-188	c 37	N84-28085 * #	US-PATENT-CLASS-307-252J	c 09	N72-17153 * #
US-PATENT-CLASS-29-613	c 24	N75-30260 * #	US-PATENT-CLASS-30-228	c 15	N70-42017 * #	US-PATENT-CLASS-307-252J	c 09	N72-22201 * #
US-PATENT-CLASS-29-613	c 35	N82-24470 * #	US-PATENT-CLASS-30-228	c 37	N84-28085 * #	US-PATENT-CLASS-307-252K	c 09	N72-22201 * #
US-PATENT-CLASS-29-620	c 35	N82-31659 * #	US-PATENT-CLASS-30-249	c 37	N84-28085 * #	US-PATENT-CLASS-307-252L	c 33	N74-27682 * #
US-PATENT-CLASS-29-622	c 33	N77-26385 * #	US-PATENT-CLASS-30-272R	c 37	N84-28085 * #	US-PATENT-CLASS-307-252N	c 09	N72-23171 * #
US-PATENT-CLASS-29-623.5	c 44	N83-32176 * #	US-PATENT-CLASS-30-90.6	c 37	N79-10419 * #	US-PATENT-CLASS-307-252Q	c 33	N74-27682 * #
US-PATENT-CLASS-29-623.5	c 26	N84-22734 * #	US-PATENT-CLASS-301-5P	c 37	N74-18125 * #	US-PATENT-CLASS-307-252R	c 09	N72-23171 * #
US-PATENT-CLASS-29-623.5	c 44	N84-28205 * #	US-PATENT-CLASS-301-82	c 33	N79-10339 * #	US-PATENT-CLASS-307-252UA	c 33	N81-27395 * #
US-PATENT-CLASS-29-624	c 15	N72-20444 * #	US-PATENT-CLASS-302-66	c 25	N79-11152 * #	US-PATENT-CLASS-307-252	c 10	N69-39888 * #
US-PATENT-CLASS-29-624	c 14	N73-13417 * #	US-PATENT-CLASS-303-92	c 44	N79-14527 * #	US-PATENT-CLASS-307-252	c 09	N71-12514 * #
US-PATENT-CLASS-29-627	c 44	N80-14474 * #	US-PATENT-CLASS-305-35EB	c 11	N73-26238 * #	US-PATENT-CLASS-307-253	c 10	N71-27126 * #
US-PATENT-CLASS-29-628	c 15	N72-22491 * #	US-PATENT-CLASS-305-39	c 11	N73-26238 * #	US-PATENT-CLASS-307-254	c 10	N71-24799 * #
US-PATENT-CLASS-29-628	c 09	N72-25261 * #	US-PATENT-CLASS-307-103	c 09	N72-25262 * #	US-PATENT-CLASS-307-254	c 09	N72-22200 * #
US-PATENT-CLASS-29-628	c 09	N73-28083 * #	US-PATENT-CLASS-307-104	c 09	N71-24892 * #	US-PATENT-CLASS-307-257	c 09	N72-21247 * #
US-PATENT-CLASS-29-628	c 33	N77-26385 * #	US-PATENT-CLASS-307-106	c 09	N69-21468 * #	US-PATENT-CLASS-307-259	c 09	N72-21247 * #
US-PATENT-CLASS-29-628	c 44	N78-25528 * #	US-PATENT-CLASS-307-118	c 09	N72-27227 * #	US-PATENT-CLASS-307-259	c 09	N72-23171 * #
US-PATENT-CLASS-29-629	c 09	N73-28083 * #	US-PATENT-CLASS-307-119	c 33	N79-28415 * #	US-PATENT-CLASS-307-259	c 10	N73-13235 * #
US-PATENT-CLASS-29-630A	c 05	N72-25121 * #	US-PATENT-CLASS-307-126	c 14	N71-27407 * #	US-PATENT-CLASS-307-260	c 09	N71-23311 * #
US-PATENT-CLASS-29-630A	c 09	N73-28083 * #	US-PATENT-CLASS-307-127	c 33	N74-14956 * #	US-PATENT-CLASS-307-260	c 05	N71-23317 * #
US-PATENT-CLASS-29-630E	c 33	N77-26385 * #	US-PATENT-CLASS-307-136	c 09	N69-27500 * #	US-PATENT-CLASS-307-260	c 33	N75-19515 * #
US-PATENT-CLASS-29-630	c 09	N73-28083 * #	US-PATENT-CLASS-307-141.8	c 03	N72-25020 * #	US-PATENT-CLASS-307-261	c 09	N71-33109 * #
US-PATENT-CLASS-29-739	c 44	N79-24431 * #	US-PATENT-CLASS-307-149	c 09	N71-13486 * #	US-PATENT-CLASS-307-261	c 09	N72-25251 * #
US-PATENT-CLASS-29-764	c 60	N82-24839 * #	US-PATENT-CLASS-307-149	c 54	N75-12616 * #	US-PATENT-CLASS-307-262	c 10	N72-16172 * #
US-PATENT-CLASS-29-809	c 44	N79-24431 * #	US-PATENT-CLASS-307-151	c 32	N78-24391 * #	US-PATENT-CLASS-307-262	c 09	N72-22197 * #
US-PATENT-CLASS-29-81C	c 75	N78-27913 * #	US-PATENT-CLASS-307-157	c 16	N73-32391 * #	US-PATENT-CLASS-307-262	c 09	N72-33204 * #
US-PATENT-CLASS-29-81D	c 37	N76-18454 * #	US-PATENT-CLASS-307-18	c 03	N73-31988 * #	US-PATENT-CLASS-307-263	c 09	N71-23270 * #
US-PATENT-CLASS-29-825	c 44	N84-28205 * #	US-PATENT-CLASS-307-18	c 33	N74-34638 * #	US-PATENT-CLASS-307-263	c 09	N71-28926 * #
US-PATENT-CLASS-29-832	c 44	N81-14389 * #	US-PATENT-CLASS-307-204	c 35	N75-30504 * #	US-PATENT-CLASS-307-265	c 09	N69-39987 * #
US-PATENT-CLASS-290-1R	c 44	N85-21769 * #	US-PATENT-CLASS-307-205	c 33	N75-14957 * #	US-PATENT-CLASS-307-265	c 10	N71-23029 * #
US-PATENT-CLASS-290-4R	c 44	N85-21769 * #	US-PATENT-CLASS-307-206	c 10	N72-22236 * #	US-PATENT-CLASS-307-265	c 09	N71-28468 * #
US-PATENT-CLASS-290-40	c 03	N71-11057 * #	US-PATENT-CLASS-307-207	c 08	N71-29034 * #	US-PATENT-CLASS-307-265	c 10	N71-28860 * #
US-PATENT-CLASS-290-52	c 37	N77-32500 * #	US-PATENT-CLASS-307-207	c 09	N73-13209 * #	US-PATENT-CLASS-307-265	c 08	N71-29138 * #
US-PATENT-CLASS-290-52	c 37	N77-32501 * #	US-PATENT-CLASS-307-208	c 33	N75-14957 * #	US-PATENT-CLASS-307-265	c 09	N71-29139 * #
US-PATENT-CLASS-290-53	c 44	N80-29834 * #	US-PATENT-CLASS-307-211	c 35	N75-30504 * #	US-PATENT-CLASS-307-265	c 33	N78-18308 * #
US-PATENT-CLASS-290-55	c 44	N84-23018 * #	US-PATENT-CLASS-307-215	c 10	N71-28860 * #	US-PATENT-CLASS-307-267	c 09	N71-20447 * #
US-PATENT-CLASS-292-DIG 14	c 37	N75-19685 * #	US-PATENT-CLASS-307-215	c 09	N71-29139 * #	US-PATENT-CLASS-307-267	c 33	N74-32711 * #
US-PATENT-CLASS-292-108	c 37	N75-19685 * #	US-PATENT-CLASS-307-215	c 10	N72-22236 * #	US-PATENT-CLASS-307-267	c 33	N75-18479 * #
US-PATENT-CLASS-292-110	c 37	N77-32499 * #	US-PATENT-CLASS-307-215	c 09	N73-13209 * #	US-PATENT-CLASS-307-268	c 09	N69-24317 * #
US-PATENT-CLASS-292-122	c 37	N75-19685 * #	US-PATENT-CLASS-307-215	c 33	N74-22814 * #	US-PATENT-CLASS-307-269	c 60	N81-15706 * #
US-PATENT-CLASS-292-252	c 37	N85-21649 * #	US-PATENT-CLASS-307-216	c 08	N71-18751 * #	US-PATENT-CLASS-307-270	c 33	N78-17294 * #
US-PATENT-CLASS-294-1R	c 35	N76-16392 * #	US-PATENT-CLASS-307-219	c 35	N75-30504 * #	US-PATENT-CLASS-307-271	c 10	N73-32145 * #
US-PATENT-CLASS-294-106	c 37	N81-14320 * #	US-PATENT-CLASS-307-219	c 60	N81-15706 * #	US-PATENT-CLASS-307-271	c 33	N85-29145 * #
US-PATENT-CLASS-294-113	c 37	N80-14398 * #	US-PATENT-CLASS-307-220	c 10	N73-26229 * #	US-PATENT-CLASS-307-273	c 10	N71-18723 * #
US-PATENT-CLASS-294-116	c 37	N75-33395 * #	US-PATENT-CLASS-307-221R	c 10	N73-20254 * #	US-PATENT-CLASS-307-273	c 09	N71-27016 * #
US-PATENT-CLASS-294-116	c 37	N82-32731 * #	US-PATENT-CLASS-307-221R	c 33	N76-14373 * #	US-PATENT-CLASS-307-273	c 09	N71-28468 * #
US-PATENT-CLASS-294-15	c 15	N71-29133 * #	US-PATENT-CLASS-307-222	c 09	N69-27463 * #	US-PATENT-CLASS-307-273	c 10	N71-28860 * #
US-PATENT-CLASS-294-19R	c 35	N76-16392 * #	US-PATENT-CLASS-307-222	c 08	N71-29034 * #	US-PATENT-CLASS-307-273	c 09	N71-29139 * #
US-PATENT-CLASS-294-83	c 15	N71-24897 * #	US-PATENT-CLASS-307-223B	c 09	N72-22201 * #	US-PATENT-CLASS-307-273	c 10	N72-20221 * #
US-PATENT-CLASS-294-86.33	c 37	N75-33395 * #	US-PATENT-CLASS-307-223	c 09	N72-17157 * #	US-PATENT-CLASS-307-280	c 33	N77-21314 * #
US-PATENT-CLASS-294-86R	c 37	N80-14398 * #	US-PATENT-CLASS-307-225R	c 33	N74-10223 * #	US-PATENT-CLASS-307-284	c 09	N72-22201 * #
US-PATENT-CLASS-294-86R	c 37	N81-27519 * #	US-PATENT-CLASS-307-225R	c 33	N75-31330 * #	US-PATENT-CLASS-307-288	c 09	N71-23015 * #
US-PATENT-CLASS-294-86R	c 18	N83-29303 * #	US-PATENT-CLASS-307-225R	c 33	N77-24375 * #	US-PATENT-CLASS-307-288	c 09	N71-28468 * #
US-PATENT-CLASS-294-93	c 54	N81-26718 * #	US-PATENT-CLASS-307-225R	c 60	N81-15706 * #	US-PATENT-CLASS-307-288	c 10	N72-20221 * #
US-PATENT-CLASS-296-1S	c 85	N82-33288 * #	US-PATENT-CLASS-307-227	c 09	N72-17157 * #	US-PATENT-CLASS-307-288	c 09	N72-22202 * #
US-PATENT-CLASS-296-24C	c 85	N82-33288 * #	US-PATENT-CLASS-307-227	c 33	N75-19522 * #	US-PATENT-CLASS-307-289	c 10	N71-19547 * #
US-PATENT-CLASS-296-91	c 85	N82-33288 * #	US-PATENT-CLASS-307-229	c 09	N71-12520 * #	US-PATENT-CLASS-307-28	c 03	N73-31988 * #
US-PATENT-CLASS-297-DIG 5	c 03	N84-33394 * #	US-PATENT-CLASS-307-229	c 09	N72-31713 * #	US-PATENT-CLASS-307-290	c 33	N74-22814 * #
US-PATENT-CLASS-297-216	c 05	N70-35152 * #	US-PATENT-CLASS-307-229	c 33	N75-18479 * #	US-PATENT-CLASS-307-291	c 60	N81-15706 * #
US-PATENT-CLASS-297-232	c 05	N72-11085 * #	US-PATENT-CLASS-307-229	c 33	N77-17354 * #	US-PATENT-CLASS-307-294	c 09	N71-29139 * #
US-PATENT-CLASS-297-385	c 05	N71-12341 * #	US-PATENT-CLASS-307-229	c 33	N78-32339 * #	US-PATENT-CLASS-307-295	c 10	N72-17171 * #
US-PATENT-CLASS-297-385	c 05	N75-25915 * #	US-PATENT-CLASS-307-230	c 10	N72-16172 * #	US-PATENT-CLASS-307-295	c 10	N72-20223 * #
US-PATENT-CLASS-297-386	c 15	N73-30460 * #	US-PATENT-CLASS-307-230	c 09	N72-21245 * #	US-PATENT-CLASS-307-295	c 09	N72-21245 * #
US-PATENT-CLASS-297-388	c 05	N75-25915 * #	US-PATENT-CLASS-307-230	c 09	N73-20232 * #	US-PATENT-CLASS-307-295	c 09	N72-33204 * #
US-PATENT-CLASS-297-389	c 05	N75-25915 * #	US-PATENT-CLASS-307-230	c 33	N74-32712 * #	US-PATENT-CLASS-307-295	c 33	N74-34638 * #
US-PATENT-CLASS-297-68	c 05	N71-12343 * #	US-PATENT-CLASS-307-230	c 33	N77-17354 * #	US-PATENT-CLASS-307-295	c 33	N77-13315 * #
US-PATENT-CLASS-297-68	c 05	N72-11085 * #	US-PATENT-CLASS-307-230	c 33	N78-32339 * #	US-PATENT-CLASS-307-296	c 08	N71-12494 * #
US-PATENT-CLASS-299-13	c 43	N81-26509 * #	US-PATENT-CLASS-307-231	c 09	N72-22202 * #	US-PATENT-CLASS-307-296	c 07	N71-28430 * #
US-PATENT-CLASS-299-17	c 43	N81-26509 * #	US-PATENT-CLASS-307-232	c 33	N77-21314 * #	US-PATENT-CLASS-307-297	c 33	N78-17294 * #
US-PATENT-CLASS-299-1	c 43	N79-26439 * #	US-PATENT-CLASS-307-232	c 33	N79-11313 * #	US-PATENT-CLASS-307-299	c 08	N72-21198 * #
US-PATENT-CLASS-299-1	c 35	N84-33768 * #	US-PATENT-CLASS-307-233R	c 32	N79-10262 * #	US-PATENT-CLASS-307-299	c 26	N72-21701 * #
US-PATENT-CLASS-299-20	c 43	N81-26509 * #	US-PATENT-CLASS-307-233R	c 33	N81-17348 * #	US-PATENT-CLASS-307-29	c 03	N73-31988 * #
US-PATENT-CLASS-299-67	c 46	N74-23068 * #	US-PATENT-CLASS-307-233	c 09	N72-25257 * #	US-PATENT-CLASS-307-300	c 10	N71-27126 * #
US-PATENT-CLASS-299-86	c 46	N74-23069 * #	US-PATENT-CLASS-307-233	c 10	N73-26229 * #	US-PATENT-CLASS-307-303	c 08	N72-21198 * #
US-PATENT-CLASS-3-1.1	c 05	N73-32013 * #	US-PATENT-CLASS-307-233	c 33	N77-13315 * #	US-PATENT-CLASS-307-304	c 09	N72-22201 * #
US-PATENT-CLASS-3-1.1	c 52	N77-14738 * #	US-PATENT-CLASS-307-234	c 10	N71-23315 * #	US-PATENT-CLASS-307-304	c 09	N73-20232 * #
US-PATENT-CLASS-3-1.1	c 54	N79-24652 * #	US-PATENT-CLASS-307-234	c 09	N71-27016 * #	US-PATENT-CLASS-307-304	c 33	N74-34638 * #
US-PATENT-CLASS-3-1.1	c 74	N84-11921 * #	US-PATENT-CLASS-307-234	c 08	N71-29138 * #	US-PATENT-CLASS-307-305	c 09	N72

US-PATENT-CLASS-307-317	c 09	N72-22200 *	#	US-PATENT-CLASS-308-201	c 37	N75-31446 *	#	US-PATENT-CLASS-310-4	c 20	N75-24837 *	#
US-PATENT-CLASS-307-317	c 09	N72-22201 *	#	US-PATENT-CLASS-308-2	c 15	N71-23812 *	#	US-PATENT-CLASS-310-4	c 36	N75-30524 *	#
US-PATENT-CLASS-307-321	c 33	N75-19520 *	#	US-PATENT-CLASS-308-35	c 15	N73-32359 *	#	US-PATENT-CLASS-310-4	c 44	N76-16612 *	#
US-PATENT-CLASS-307-321	c 33	N75-25041 *	#	US-PATENT-CLASS-308-5R	c 37	N77-28486 *	#	US-PATENT-CLASS-310-51	c 15	N71-27169 *	#
US-PATENT-CLASS-307-322	c 10	N72-22236 *	#	US-PATENT-CLASS-308-5R	c 37	N79-10418 *	#	US-PATENT-CLASS-310-52	c 20	N75-24837 *	#
US-PATENT-CLASS-307-323	c 10	N72-22236 *	#	US-PATENT-CLASS-308-5	c 15	N71-10617 *	#	US-PATENT-CLASS-310-54	c 09	N71-20446 *	#
US-PATENT-CLASS-307-350	c 33	N78-18308 *	#	US-PATENT-CLASS-308-5	c 15	N72-11388 *	#	US-PATENT-CLASS-310-5	c 03	N70-35408 *	#
US-PATENT-CLASS-307-352	c 33	N81-27396 *	#	US-PATENT-CLASS-308-5	c 15	N72-17451 *	#	US-PATENT-CLASS-310-68B	c 35	N84-28017 *	#
US-PATENT-CLASS-307-353	c 33	N81-27396 *	#	US-PATENT-CLASS-308-72	c 37	N76-15461 *	#	US-PATENT-CLASS-310-68	c 15	N72-25456 *	#
US-PATENT-CLASS-307-355	c 33	N74-34638 *	#	US-PATENT-CLASS-308-72	c 37	N77-32500 *	#	US-PATENT-CLASS-310-77	c 37	N85-30333 *	#
US-PATENT-CLASS-307-360	c 33	N78-18308 *	#	US-PATENT-CLASS-308-72	c 37	N79-11404 *	#	US-PATENT-CLASS-310-8-2	c 35	N76-15432 *	#
US-PATENT-CLASS-307-378	c 03	N73-31988 *	#	US-PATENT-CLASS-308-73	c 37	N74-21061 *	#	US-PATENT-CLASS-310-8-5	c 14	N71-22993 *	#
US-PATENT-CLASS-307-415	c 33	N82-24418 *	#	US-PATENT-CLASS-308-73	c 37	N75-30562 *	#	US-PATENT-CLASS-310-800	c 76	N83-34786 *	#
US-PATENT-CLASS-307-520	c 33	N85-29145 *	#	US-PATENT-CLASS-308-73	c 37	N76-15461 *	#	US-PATENT-CLASS-310-80	c 15	N72-25456 *	#
US-PATENT-CLASS-307-521	c 33	N85-29145 *	#	US-PATENT-CLASS-308-78	c 37	N77-28486 *	#	US-PATENT-CLASS-310-82	c 33	N79-20314 *	#
US-PATENT-CLASS-307-529	c 33	N85-29145 *	#	US-PATENT-CLASS-308-78	c 24	N79-17916 *	#	US-PATENT-CLASS-310-83	c 15	N72-25456 *	#
US-PATENT-CLASS-307-53	c 10	N71-26626 *	#	US-PATENT-CLASS-308-87R	c 24	N79-17916 *	#	US-PATENT-CLASS-310-91	c 15	N71-21311 *	#
US-PATENT-CLASS-307-53	c 33	N78-17296 *	#	US-PATENT-CLASS-308-9	c 15	N70-34664 *	#	US-PATENT-CLASS-310-93	c 15	N71-17652 *	#
US-PATENT-CLASS-307-63	c 44	N80-14472 *	#	US-PATENT-CLASS-308-9	c 15	N70-38620 *	#	US-PATENT-CLASS-310-93	c 37	N85-30333 *	#
US-PATENT-CLASS-307-64	c 33	N77-30365 *	#	US-PATENT-CLASS-308-9	c 15	N70-39896 *	#	US-PATENT-CLASS-311-37	c 35	N75-29380 *	#
US-PATENT-CLASS-307-64	c 44	N85-21769 *	#	US-PATENT-CLASS-308-9	c 15	N71-20739 *	#	US-PATENT-CLASS-312-1	c 05	N71-23080 *	#
US-PATENT-CLASS-307-66	c 44	N80-14472 *	#	US-PATENT-CLASS-308-9	c 14	N71-26627 *	#	US-PATENT-CLASS-312-1	c 05	N73-20137 *	#
US-PATENT-CLASS-307-66	c 44	N85-21769 *	#	US-PATENT-CLASS-308-9	c 15	N72-17451 *	#	US-PATENT-CLASS-312-1	c 37	N74-20063 *	#
US-PATENT-CLASS-307-69	c 33	N78-17296 *	#	US-PATENT-CLASS-308-9	c 15	N73-32359 *	#	US-PATENT-CLASS-312-209	c 37	N74-18123 *	#
US-PATENT-CLASS-307-81	c 09	N72-17157 *	#	US-PATENT-CLASS-308-9	c 37	N76-15461 *	#	US-PATENT-CLASS-312-257	c 31	N72-22874 *	#
US-PATENT-CLASS-307-82	c 33	N79-24254 *	#	US-PATENT-CLASS-308-9	c 37	N77-28486 *	#	US-PATENT-CLASS-312-296	c 09	N71-18600 *	#
US-PATENT-CLASS-307-82	c 33	N85-29147 *	#	US-PATENT-CLASS-308-9	c 37	N79-10418 *	#	US-PATENT-CLASS-312-319	c 37	N79-33467 *	#
US-PATENT-CLASS-307-83	c 09	N72-25262 *	#	US-PATENT-CLASS-31-35	c 31	N85-21404 *	#	US-PATENT-CLASS-313-DIG 8	c 28	N73-24783 *	#
US-PATENT-CLASS-307-87	c 33	N84-33660 *	#	US-PATENT-CLASS-310-101	c 15	N71-24696 *	#	US-PATENT-CLASS-313-104	c 14	N73-32317 *	#
US-PATENT-CLASS-307-88 3	c 09	N72-25258 *	#	US-PATENT-CLASS-310-10	c 03	N69-39980 *	#	US-PATENT-CLASS-313-106	c 24	N83-10117 *	#
US-PATENT-CLASS-307-88 5	c 09	N70-34819 *	#	US-PATENT-CLASS-310-10	c 09	N71-23443 *	#	US-PATENT-CLASS-313-106	c 70	N84-28565 *	#
US-PATENT-CLASS-307-88 5	c 09	N70-40272 *	#	US-PATENT-CLASS-310-10	c 09	N71-24904 *	#	US-PATENT-CLASS-313-107	c 24	N83-10117 *	#
US-PATENT-CLASS-307-88 5	c 09	N70-41675 *	#	US-PATENT-CLASS-310-10	c 09	N72-25255 *	#	US-PATENT-CLASS-313-107	c 70	N84-28565 *	#
US-PATENT-CLASS-307-88 5	c 10	N70-42032 *	#	US-PATENT-CLASS-310-10	c 20	N75-24837 *	#	US-PATENT-CLASS-313-109 5	c 09	N71-33519 *	#
US-PATENT-CLASS-307-88 5	c 09	N71-10673 *	#	US-PATENT-CLASS-310-111	c 33	N77-26387 *	#	US-PATENT-CLASS-313-11 5	c 28	N70-39925 *	#
US-PATENT-CLASS-307-88 5	c 10	N71-15910 *	#	US-PATENT-CLASS-310-11	c 25	N69-21929 *	#	US-PATENT-CLASS-313-110	c 09	N71-12521 *	#
US-PATENT-CLASS-307-88 5	c 10	N71-16042 *	#	US-PATENT-CLASS-310-11	c 03	N69-39983 *	#	US-PATENT-CLASS-313-131A	c 33	N85-21491 *	#
US-PATENT-CLASS-307-88 5	c 10	N71-28739 *	#	US-PATENT-CLASS-310-11	c 03	N70-36803 *	#	US-PATENT-CLASS-313-146	c 33	N77-22386 *	#
US-PATENT-CLASS-307-88MP	c 09	N72-22197 *	#	US-PATENT-CLASS-310-11	c 14	N72-22439 *	#	US-PATENT-CLASS-313-153	c 33	N74-12913 *	#
US-PATENT-CLASS-307-88	c 08	N70-34743 *	#	US-PATENT-CLASS-310-11	c 12	N72-25292 *	#	US-PATENT-CLASS-313-156	c 25	N70-34661 *	#
US-PATENT-CLASS-307-88	c 09	N70-38604 *	#	US-PATENT-CLASS-310-11	c 35	N74-21018 *	#	US-PATENT-CLASS-313-156	c 72	N80-27163 *	#
US-PATENT-CLASS-307-88	c 09	N71-24803 *	#	US-PATENT-CLASS-310-11	c 36	N75-32441 *	#	US-PATENT-CLASS-313-161	c 25	N73-25760 *	#
US-PATENT-CLASS-307-88	c 09	N71-26000 *	#	US-PATENT-CLASS-310-11	c 44	N83-28573 *	#	US-PATENT-CLASS-313-161	c 09	N73-30181 *	#
US-PATENT-CLASS-307-92	c 09	N72-27227 *	#	US-PATENT-CLASS-310-12	c 33	N82-24421 *	#	US-PATENT-CLASS-313-161	c 33	N77-21315 *	#
US-PATENT-CLASS-307-98	c 33	N79-28415 *	#	US-PATENT-CLASS-310-12	c 37	N83-32067 *	#	US-PATENT-CLASS-313-175	c 33	N77-21316 *	#
US-PATENT-CLASS-308-DIG 1	c 15	N72-17451 *	#	US-PATENT-CLASS-310-153	c 44	N78-24608 *	#	US-PATENT-CLASS-313-175	c 31	N78-17238 *	#
US-PATENT-CLASS-308-DIG 1	c 37	N79-10418 *	#	US-PATENT-CLASS-310-154	c 44	N78-24608 *	#	US-PATENT-CLASS-313-176	c 31	N78-17238 *	#
US-PATENT-CLASS-308-DIG 8	c 24	N79-17916 *	#	US-PATENT-CLASS-310-154	c 35	N84-28017 *	#	US-PATENT-CLASS-313-180	c 33	N77-21316 *	#
US-PATENT-CLASS-308-DIG 9	c 24	N79-17916 *	#	US-PATENT-CLASS-310-15	c 09	N72-25255 *	#	US-PATENT-CLASS-313-180	c 31	N78-17238 *	#
US-PATENT-CLASS-308-10	c 15	N71-22997 *	#	US-PATENT-CLASS-310-15	c 44	N83-28574 *	#	US-PATENT-CLASS-313-182	c 33	N77-22386 *	#
US-PATENT-CLASS-308-10	c 15	N72-33476 *	#	US-PATENT-CLASS-310-168	c 09	N71-25999 *	#	US-PATENT-CLASS-313-184	c 33	N77-21315 *	#
US-PATENT-CLASS-308-10	c 35	N74-18323 *	#	US-PATENT-CLASS-310-168	c 33	N77-26387 *	#	US-PATENT-CLASS-313-184	c 33	N77-21316 *	#
US-PATENT-CLASS-308-10	c 37	N75-18574 *	#	US-PATENT-CLASS-310-171	c 35	N84-28017 *	#	US-PATENT-CLASS-313-184	c 31	N78-17238 *	#
US-PATENT-CLASS-308-10	c 37	N76-18459 *	#	US-PATENT-CLASS-310-178	c 44	N78-24608 *	#	US-PATENT-CLASS-313-186	c 25	N72-24753 *	#
US-PATENT-CLASS-308-10	c 37	N77-17464 *	#	US-PATENT-CLASS-310-20	c 71	N79-20827 *	#	US-PATENT-CLASS-313-209	c 33	N74-12913 *	#
US-PATENT-CLASS-308-10	c 44	N78-24608 *	#	US-PATENT-CLASS-310-22	c 31	N85-21404 *	#	US-PATENT-CLASS-313-212	c 25	N72-24753 *	#
US-PATENT-CLASS-308-10	c 37	N78-27424 *	#	US-PATENT-CLASS-310-231	c 33	N79-20314 *	#	US-PATENT-CLASS-313-217	c 28	N73-27699 *	#
US-PATENT-CLASS-308-10	c 35	N79-26372 *	#	US-PATENT-CLASS-310-254	c 09	N71-25999 *	#	US-PATENT-CLASS-313-217	c 33	N74-12913 *	#
US-PATENT-CLASS-308-10	c 71	N81-15767 *	#	US-PATENT-CLASS-310-269	c 44	N78-24608 *	#	US-PATENT-CLASS-313-218	c 28	N73-27699 *	#
US-PATENT-CLASS-308-10	c 44	N83-28574 *	#	US-PATENT-CLASS-310-26	c 71	N79-20827 *	#	US-PATENT-CLASS-313-224	c 25	N72-24753 *	#
US-PATENT-CLASS-308-10	c 37	N83-32067 *	#	US-PATENT-CLASS-310-2	c 03	N72-23048 *	#	US-PATENT-CLASS-313-224	c 33	N74-12913 *	#
US-PATENT-CLASS-308-10	c 37	N83-34323 *	#	US-PATENT-CLASS-310-300	c 71	N84-23233 *	#	US-PATENT-CLASS-313-224	c 33	N77-21315 *	#
US-PATENT-CLASS-308-10	c 71	N83-36846 *	#	US-PATENT-CLASS-310-306	c 33	N80-18287 *	#	US-PATENT-CLASS-313-224	c 31	N78-17238 *	#
US-PATENT-CLASS-308-10	c 37	N85-20337 *	#	US-PATENT-CLASS-310-306	c 44	N83-32175 *	#	US-PATENT-CLASS-313-222	c 09	N71-26787 *	#
US-PATENT-CLASS-308-121	c 37	N74-32921 *	#	US-PATENT-CLASS-310-306	c 34	N85-29179 *	#	US-PATENT-CLASS-313-222	c 31	N78-17237 *	#
US-PATENT-CLASS-308-121	c 37	N75-30562 *	#	US-PATENT-CLASS-310-310	c 44	N80-29934 *	#	US-PATENT-CLASS-313-222	c 31	N78-25256 *	#
US-PATENT-CLASS-308-121	c 37	N79-10418 *	#	US-PATENT-CLASS-310-311	c 35	N80-20559 *	#	US-PATENT-CLASS-313-222	c 34	N79-20336 *	#
US-PATENT-CLASS-308-122	c 37	N76-15461 *	#	US-PATENT-CLASS-310-317	c 35	N84-22932 *	#	US-PATENT-CLASS-313-230	c 28	N71-28850 *	#
US-PATENT-CLASS-308-160	c 37	N76-15461 *	#	US-PATENT-CLASS-310-319	c 33	N80-23559 *	#	US-PATENT-CLASS-313-230	c 28	N73-27699 *	#
US-PATENT-CLASS-308-160	c 37	N76-29588 *	#	US-PATENT-CLASS-310-322	c 71	N79-20827 *	#	US-PATENT-CLASS-313-230	c 20	N77-20162 *	#
US-PATENT-CLASS-308-160	c 37	N79-10418 *	#	US-PATENT-CLASS-310-326	c 38	N79-14398 *	#	US-PATENT-CLASS-313-231 3	c 20	N77-20162 *	#
US-PATENT-CLASS-308-163	c 37	N76-29588 *	#	US-PATENT-CLASS-310-327	c 35	N80-20559 *	#	US-PATENT-CLASS-313-231 3	c 75	N78-27913 *	#
US-PATENT-CLASS-308-163	c 37	N79-10418 *	#	US-PATENT-CLASS-310-332	c 76	N83-34796 *	#	US-PATENT-CLASS-313-231 4	c 20	N77-10148 *	#
US-PATENT-CLASS-308-168	c 24	N79-17916 *	#	US-PATENT-CLASS-310-334	c 71	N79-20827 *	#	US-PATENT-CLASS-313-231 4	c 72	N80-33186 *	#
US-PATENT-CLASS-308-170	c 15	N71-28465 *	#	US-PATENT-CLASS-310-334	c 35	N80-20559 *	#	US-PATENT-CLASS-313-231	c 06	N69-39889 *	#
US-PATENT-CLASS-308-170	c 37	N76-29588 *	#	US-PATENT-CLASS-310-334	c 35	N84-22932 *	#	US-PATENT-CLASS-313-231	c 09	N71-23190 *	#
US-PATENT-CLASS-308-171	c 24	N79-17916 *	#	US-PATENT-CLASS-310-336	c 38	N79-14398 *	#	US-PATENT-CLASS-313-231	c 09	N71-33519 *	#
US-PATENT-CLASS-308-172	c 37	N79-10418 *	#	US-PATENT-CLASS-310-360	c 35	N80-20559 *	#	US-PATENT-CLASS-313-231	c 25	N72-24753 *	#
US-PATENT-CLASS-308-174	c 54	N75-12616 *	#	US-PATENT-CLASS-310-366	c 35	N84-22932 *	#	US-PATENT-CLASS-313-231	c 25	N72-32688 *	#
US-PATENT-CLASS-308-176	c 15	N71-22982 *	#	US-PATENT-CLASS-310-4A	c 37	N77-19458 *	#	US-PATENT-CLASS-313-231	c 28	N73-24783 *	#
US-PATENT-CLASS-308-177	c 15	N71-2913									

US-PATENT-CLASS-313-351	c 70	N84-28565 *	#	US-PATENT-CLASS-315-3-5	c 33	N79-10339 *	#	US-PATENT-CLASS-317-235M	c 14	N72-31446 *	#
US-PATENT-CLASS-313-352	c 09	N71-22987 *	#	US-PATENT-CLASS-315-3-5	c 33	N82-26568 *	#	US-PATENT-CLASS-317-235N	c 09	N73-19235 *	#
US-PATENT-CLASS-313-355	c 28	N73-27699 *	#	US-PATENT-CLASS-315-3-5	c 37	N84-16452 *	#	US-PATENT-CLASS-317-235P	c 35	N74-15090 *	#
US-PATENT-CLASS-313-356	c 14	N72-29464 *	#	US-PATENT-CLASS-315-3-5	c 33	N85-33489 *	#	US-PATENT-CLASS-317-235R	c 26	N72-21701 *	#
US-PATENT-CLASS-313-35	c 34	N79-20336 *	#	US-PATENT-CLASS-315-3-6	c 33	N79-10339 *	#	US-PATENT-CLASS-317-235S	c 26	N72-25679 *	#
US-PATENT-CLASS-313-360	c 20	N77-20162 *	#	US-PATENT-CLASS-315-3-6	c 33	N82-24415 *	#	US-PATENT-CLASS-317-235R	c 14	N72-31446 *	#
US-PATENT-CLASS-313-361	c 20	N77-10148 *	#	US-PATENT-CLASS-315-3-6	c 33	N82-26568 *	#	US-PATENT-CLASS-317-235R	c 09	N73-19235 *	#
US-PATENT-CLASS-313-362	c 72	N80-27163 *	#	US-PATENT-CLASS-315-3-6	c 33	N84-16452 *	#	US-PATENT-CLASS-317-235R	c 09	N73-32112 *	#
US-PATENT-CLASS-313-362	c 72	N80-33186 *	#	US-PATENT-CLASS-315-3-6	c 33	N84-27974 *	#	US-PATENT-CLASS-317-235T	c 09	N73-19235 *	#
US-PATENT-CLASS-313-363	c 72	N80-27163 *	#	US-PATENT-CLASS-315-30R	c 10	N72-31273 *	#	US-PATENT-CLASS-317-235UA	c 09	N73-19235 *	#
US-PATENT-CLASS-313-442	c 74	N78-18905 *	#	US-PATENT-CLASS-315-307	c 14	N72-27411 *	#	US-PATENT-CLASS-317-235WW	c 09	N73-32112 *	#
US-PATENT-CLASS-313-44	c 15	N69-24319 *	#	US-PATENT-CLASS-315-30	c 33	N75-27250 *	#	US-PATENT-CLASS-317-235	c 09	N69-24318 *	#
US-PATENT-CLASS-313-60	c 33	N77-22386 *	#	US-PATENT-CLASS-315-310	c 14	N72-27411 *	#	US-PATENT-CLASS-317-235	c 09	N72-33205 *	#
US-PATENT-CLASS-313-61S	c 73	N74-26767 *	#	US-PATENT-CLASS-315-311	c 14	N72-27411 *	#	US-PATENT-CLASS-317-238	c 09	N71-27232 *	#
US-PATENT-CLASS-313-61S	c 37	N78-13436 *	#	US-PATENT-CLASS-315-324	c 09	N73-30181 *	#	US-PATENT-CLASS-317-245	c 33	N79-21265 *	#
US-PATENT-CLASS-313-63	c 28	N70-41576 *	#	US-PATENT-CLASS-315-326	c 25	N72-24753 *	#	US-PATENT-CLASS-317-246	c 14	N69-21561 *	#
US-PATENT-CLASS-313-63	c 09	N71-10618 *	#	US-PATENT-CLASS-315-334	c 33	N80-14330 *	#	US-PATENT-CLASS-317-246	c 33	N76-21390 *	#
US-PATENT-CLASS-313-63	c 28	N71-26781 *	#	US-PATENT-CLASS-315-344	c 33	N77-21315 *	#	US-PATENT-CLASS-317-246	c 35	N76-22509 *	#
US-PATENT-CLASS-313-63	c 28	N73-24783 *	#	US-PATENT-CLASS-315-349	c 09	N72-25250 *	#	US-PATENT-CLASS-317-247	c 14	N72-24477 *	#
US-PATENT-CLASS-313-63	c 28	N73-27699 *	#	US-PATENT-CLASS-315-356	c 16	N73-32391 *	#	US-PATENT-CLASS-317-258	c 09	N71-13522 *	#
US-PATENT-CLASS-313-63	c 75	N75-13625 *	#	US-PATENT-CLASS-315-358	c 25	N72-24753 *	#	US-PATENT-CLASS-317-258	c 33	N76-15373 *	#
US-PATENT-CLASS-313-7	c 14	N71-18482 *	#	US-PATENT-CLASS-315-367	c 33	N75-26244 *	#	US-PATENT-CLASS-317-261	c 26	N72-28761 *	#
US-PATENT-CLASS-313-7	c 14	N73-32324 *	#	US-PATENT-CLASS-315-369	c 33	N75-26244 *	#	US-PATENT-CLASS-317-261	c 33	N76-15373 *	#
US-PATENT-CLASS-313-93	c 35	N74-26949 *	#	US-PATENT-CLASS-315-36	c 10	N72-27246 *	#	US-PATENT-CLASS-317-31	c 09	N71-12526 *	#
US-PATENT-CLASS-313-93	c 35	N82-24471 *	#	US-PATENT-CLASS-315-387	c 33	N75-26244 *	#	US-PATENT-CLASS-317-31	c 10	N71-23543 *	#
US-PATENT-CLASS-313-94	c 33	N76-31409 *	#	US-PATENT-CLASS-315-39 3	c 33	N84-16452 *	#	US-PATENT-CLASS-317-31	c 33	N74-17929 *	#
US-PATENT-CLASS-313-94	c 74	N78-18905 *	#	US-PATENT-CLASS-315-39 3	c 33	N84-27974 *	#	US-PATENT-CLASS-317-31	c 33	N77-14333 *	#
US-PATENT-CLASS-314-129	c 15	N69-24266 *	#	US-PATENT-CLASS-315-3	c 33	N83-31952 *	#	US-PATENT-CLASS-317-33SC	c 33	N74-14956 *	#
US-PATENT-CLASS-315-DIG 2	c 16	N73-32391 *	#	US-PATENT-CLASS-315-4	c 33	N83-31952 *	#	US-PATENT-CLASS-317-33	c 10	N71-26531 *	#
US-PATENT-CLASS-315-101	c 16	N73-32391 *	#	US-PATENT-CLASS-315-5 35	c 33	N74-10195 *	#	US-PATENT-CLASS-317-33	c 09	N71-27001 *	#
US-PATENT-CLASS-315-108	c 09	N71-33519 *	#	US-PATENT-CLASS-315-5 35	c 33	N83-31952 *	#	US-PATENT-CLASS-317-33	c 10	N71-27366 *	#
US-PATENT-CLASS-315-108	c 33	N77-21316 *	#	US-PATENT-CLASS-315-5 38	c 09	N73-13208 *	#	US-PATENT-CLASS-317-33	c 09	N71-29008 *	#
US-PATENT-CLASS-315-108	c 36	N78-17366 *	#	US-PATENT-CLASS-315-5 38	c 33	N74-10195 *	#	US-PATENT-CLASS-317-43	c 33	N74-14956 *	#
US-PATENT-CLASS-315-10	c 33	N74-21850 *	#	US-PATENT-CLASS-315-5 38	c 33	N82-24415 *	#	US-PATENT-CLASS-317-46	c 33	N74-14956 *	#
US-PATENT-CLASS-315-10	c 33	N75-26244 *	#	US-PATENT-CLASS-315-5 38	c 24	N83-10117 *	#	US-PATENT-CLASS-317-47	c 33	N74-14956 *	#
US-PATENT-CLASS-315-110	c 33	N77-21316 *	#	US-PATENT-CLASS-315-5 38	c 33	N83-31952 *	#	US-PATENT-CLASS-317-48	c 33	N74-14956 *	#
US-PATENT-CLASS-315-111 2	c 75	N78-27913 *	#	US-PATENT-CLASS-315-5 38	c 70	N84-28565 *	#	US-PATENT-CLASS-317-54	c 09	N71-29008 *	#
US-PATENT-CLASS-315-111 31	c 33	N85-21491 *	#	US-PATENT-CLASS-315-5 38	c 37	N85-33489 *	#	US-PATENT-CLASS-317-60	c 09	N71-29008 *	#
US-PATENT-CLASS-315-111 3	c 20	N77-10148 *	#	US-PATENT-CLASS-315-5	c 33	N83-31952 *	#	US-PATENT-CLASS-317-9	c 09	N71-22796 *	#
US-PATENT-CLASS-315-111 3	c 20	N77-20162 *	#	US-PATENT-CLASS-317-DIG 3	c 10	N71-26334 *	#	US-PATENT-CLASS-317-9	c 09	N71-27001 *	#
US-PATENT-CLASS-315-111 6	c 75	N76-14931 *	#	US-PATENT-CLASS-317-DIG 6	c 10	N73-26228 *	#	US-PATENT-CLASS-318-116	c 71	N79-20827 *	#
US-PATENT-CLASS-315-111 6	c 20	N77-20162 *	#	US-PATENT-CLASS-317-100	c 10	N71-28783 *	#	US-PATENT-CLASS-318-116	c 33	N84-23233 *	#
US-PATENT-CLASS-315-111 81	c 33	N85-21491 *	#	US-PATENT-CLASS-317-100	c 10	N73-25243 *	#	US-PATENT-CLASS-318-135	c 33	N82-24421 *	#
US-PATENT-CLASS-315-111	c 25	N70-33267 *	#	US-PATENT-CLASS-317-101A	c 09	N72-33205 *	#	US-PATENT-CLASS-318-137	c 33	N75-19524 *	#
US-PATENT-CLASS-315-111	c 25	N70-41628 *	#	US-PATENT-CLASS-317-101A	c 23	N73-13660 *	#	US-PATENT-CLASS-318-138	c 09	N71-10677 *	#
US-PATENT-CLASS-315-111	c 25	N71-15562 *	#	US-PATENT-CLASS-317-101DH	c 15	N72-22486 *	#	US-PATENT-CLASS-318-138	c 14	N71-17585 *	#
US-PATENT-CLASS-315-111	c 24	N71-16213 *	#	US-PATENT-CLASS-317-101DH	c 10	N73-25243 *	#	US-PATENT-CLASS-318-138	c 10	N71-18772 *	#
US-PATENT-CLASS-315-111	c 25	N71-21693 *	#	US-PATENT-CLASS-317-101	c 09	N71-26133 *	#	US-PATENT-CLASS-318-138	c 09	N71-25999 *	#
US-PATENT-CLASS-315-111	c 28	N71-26781 *	#	US-PATENT-CLASS-317-117	c 15	N72-22486 *	#	US-PATENT-CLASS-318-138	c 33	N77-26386 *	#
US-PATENT-CLASS-315-111	c 25	N71-29184 *	#	US-PATENT-CLASS-317-120	c 15	N72-22486 *	#	US-PATENT-CLASS-318-138	c 33	N81-20352 *	#
US-PATENT-CLASS-315-111	c 09	N71-33519 *	#	US-PATENT-CLASS-317-122	c 15	N71-18701 *	#	US-PATENT-CLASS-318-15	c 37	N80-32716 *	#
US-PATENT-CLASS-315-111	c 25	N72-24753 *	#	US-PATENT-CLASS-317-123	c 09	N71-24892 *	#	US-PATENT-CLASS-318-167	c 33	N75-19524 *	#
US-PATENT-CLASS-315-111	c 25	N72-32688 *	#	US-PATENT-CLASS-317-140	c 09	N70-34502 *	#	US-PATENT-CLASS-318-176	c 33	N75-19524 *	#
US-PATENT-CLASS-315-111	c 14	N73-30391 *	#	US-PATENT-CLASS-317-148 5	c 10	N71-23271 *	#	US-PATENT-CLASS-318-183	c 33	N75-19524 *	#
US-PATENT-CLASS-315-111	c 75	N75-13625 *	#	US-PATENT-CLASS-317-148 5	c 09	N71-24892 *	#	US-PATENT-CLASS-318-20 105	c 08	N71-27057 *	#
US-PATENT-CLASS-315-111	c 33	N75-29318 *	#	US-PATENT-CLASS-317-153	c 10	N71-26334 *	#	US-PATENT-CLASS-318-200	c 33	N78-10376 *	#
US-PATENT-CLASS-315-111	c 37	N75-29426 *	#	US-PATENT-CLASS-317-155 5	c 09	N71-29008 *	#	US-PATENT-CLASS-318-227	c 07	N71-33613 *	#
US-PATENT-CLASS-315-111	c 33	N74-21850 *	#	US-PATENT-CLASS-317-157 5	c 15	N69-21472 *	#	US-PATENT-CLASS-318-227	c 33	N75-15874 *	#
US-PATENT-CLASS-315-12	c 33	N74-21850 *	#	US-PATENT-CLASS-317-158	c 15	N73-28516 *	#	US-PATENT-CLASS-318-227	c 33	N77-26386 *	#
US-PATENT-CLASS-315-135	c 09	N72-25250 *	#	US-PATENT-CLASS-317-158	c 26	N73-28710 *	#	US-PATENT-CLASS-318-227	c 33	N78-10376 *	#
US-PATENT-CLASS-315-145	c 33	N80-14330 *	#	US-PATENT-CLASS-317-158	c 15	N73-32361 *	#	US-PATENT-CLASS-318-227	c 15	N71-17694 *	#
US-PATENT-CLASS-315-151	c 14	N72-27411 *	#	US-PATENT-CLASS-317-16	c 09	N69-39897 *	#	US-PATENT-CLASS-318-230	c 07	N71-33613 *	#
US-PATENT-CLASS-315-153	c 14	N73-16483 *	#	US-PATENT-CLASS-317-16	c 33	N74-17929 *	#	US-PATENT-CLASS-318-230	c 10	N73-32145 *	#
US-PATENT-CLASS-315-153	c 74	N79-12890 *	#	US-PATENT-CLASS-317-2D	c 33	N77-10429 *	#	US-PATENT-CLASS-318-230	c 33	N75-15874 *	#
US-PATENT-CLASS-315-156	c 14	N72-27411 *	#	US-PATENT-CLASS-317-20	c 10	N71-26531 *	#	US-PATENT-CLASS-318-230	c 33	N78-10376 *	#
US-PATENT-CLASS-315-158	c 14	N72-27411 *	#	US-PATENT-CLASS-317-230	c 09	N71-27232 *	#	US-PATENT-CLASS-318-231	c 10	N73-32145 *	#
US-PATENT-CLASS-315-160	c 09	N71-12540 *	#	US-PATENT-CLASS-317-230	c 26	N72-28761 *	#	US-PATENT-CLASS-318-231	c 33	N75-15874 *	#
US-PATENT-CLASS-315-169R	c 23	N73-13660 *	#	US-PATENT-CLASS-317-231	c 09	N71-27232 *	#	US-PATENT-CLASS-318-254	c 09	N71-25999 *	#
US-PATENT-CLASS-315-169R	c 36	N75-19652 *	#	US-PATENT-CLASS-317-234A	c 15	N73-14469 *	#	US-PATENT-CLASS-318-254	c 09	N73-32107 *	#
US-PATENT-CLASS-315-169TV	c 23	N73-13660 *	#	US-PATENT-CLASS-317-234D	c 14	N72-31446 *	#	US-PATENT-CLASS-318-254	c 33	N77-26386 *	#
US-PATENT-CLASS-315-176	c 33	N77-28385 *	#	US-PATENT-CLASS-317-234E	c 33	N74-12951 *	#	US-PATENT-CLASS-318-254	c 33	N81-20352 *	#
US-PATENT-CLASS-315-18	c 32	N74-20813 *	#	US-PATENT-CLASS-317-234F	c 33	N74-12951 *	#	US-PATENT-CLASS-318-254	c 33	N82-26568 *	#
US-PATENT-CLASS-315-18	c 33	N75-19517 *	#	US-PATENT-CLASS-317-234G	c 14	N72-31446 *	#	US-PATENT-CLASS-318-257	c 10	N71-18724 *	#
US-PATENT-CLASS-315-208	c 33	N83-34189 *	#	US-PATENT-CLASS-317-234G	c 15	N73-14469 *	#	US-PATENT-CLASS-318-258	c 09	N71-26092 *	#
US-PATENT-CLASS-315-209CD	c 37	N79-11405 *	#	US-PATENT-CLASS-317-234G	c 09	N73-27150 *	#	US-PATENT-CLASS-318-260	c 09	N70-38712 *	#
US-PATENT-CLASS-315-209SC	c 37	N79-11405 *	#	US-PATENT-CLASS-317-234J	c 26	N72-25679 *	#	US-PATENT-CLASS-318-265	c 15	N71-24895 *	#
US-PATENT-CLASS-315-211	c 33	N74-20859 *	#	US-PATENT-CLASS-317-234L	c 09	N73-27150 *	#	US-PATENT-CLASS-318-267	c 37	N77-27400 *	#
US-PATENT-CLASS-315-22R	c 10	N72-31273 *	#	US-PATENT-CLASS-317-234M	c 09	N73-27150 *	#	US-PATENT-CLASS-318-308	c 11	N72-20244 *	#
US-PATENT-CLASS-315-224	c 33	N83-34189 *	#	US-PATENT-CLASS-317-234M	c 33	N74-12951 *	#	US-PATENT-CLASS-318-314	c 10	N71-20448 *	#
US-PATENT-CLASS-315-225	c 33	N83-34189 *	#	US-PATENT-CLASS-317-234N	c 09						

US-PATENT-CLASS-318-46	c 44	N85-21769 #	US-PATENT-CLASS-321-15	c 33	N75-19522 #	US-PATENT-CLASS-323-8	c 10	N71-10578 #
US-PATENT-CLASS-318-470	c 37	N77-27400 #	US-PATENT-CLASS-321-18	c 09	N72-22203 #	US-PATENT-CLASS-323-901	c 33	N84-33663 #
US-PATENT-CLASS-318-489	c 02	N73-19004 #	US-PATENT-CLASS-321-18	c 09	N72-25251 #	US-PATENT-CLASS-323-93	c 33	N77-31404 #
US-PATENT-CLASS-318-504	c 09	N71-28886 #	US-PATENT-CLASS-321-18	c 09	N72-25252 #	US-PATENT-CLASS-324-5R	c 16	N73-13489 #
US-PATENT-CLASS-318-561	c 33	N82-18493 #	US-PATENT-CLASS-321-18	c 33	N74-11049 #	US-PATENT-CLASS-324-5	c 14	N71-20428 #
US-PATENT-CLASS-318-564	c 60	N82-29013 #	US-PATENT-CLASS-321-19	c 09	N72-22196 #	US-PATENT-CLASS-324-DIG 1	c 33	N75-19520 #
US-PATENT-CLASS-318-571	c 10	N71-27136 #	US-PATENT-CLASS-321-19	c 09	N72-25252 #	US-PATENT-CLASS-324-DIG 1	c 33	N75-25041 #
US-PATENT-CLASS-318-573	c 35	N79-14348 #	US-PATENT-CLASS-321-19	c 33	N77-10428 #	US-PATENT-CLASS-324-0 5	c 14	N71-26137 #
US-PATENT-CLASS-318-576	c 09	N72-21246 #	US-PATENT-CLASS-321-25	c 09	N72-22196 #	US-PATENT-CLASS-324-0 5	c 14	N71-26266 #
US-PATENT-CLASS-318-580	c 08	N74-10942 #	US-PATENT-CLASS-321-2	c 03	N69-21330 #	US-PATENT-CLASS-324-0 5	c 36	N79-14362 #
US-PATENT-CLASS-318-580	c 04	N82-23231 #	US-PATENT-CLASS-321-2	c 03	N69-25146 #	US-PATENT-CLASS-324-102	c 09	N72-11225 #
US-PATENT-CLASS-318-584	c 08	N81-24106 #	US-PATENT-CLASS-321-2	c 03	N71-12255 #	US-PATENT-CLASS-324-102	c 33	N74-17930 #
US-PATENT-CLASS-318-585	c 08	N79-23097 #	US-PATENT-CLASS-321-2	c 09	N71-23188 #	US-PATENT-CLASS-324-102	c 33	N75-19521 #
US-PATENT-CLASS-318-587	c 35	N84-33769 #	US-PATENT-CLASS-321-2	c 03	N71-23239 #	US-PATENT-CLASS-324-102	c 33	N79-11315 #
US-PATENT-CLASS-318-594	c 35	N79-14348 #	US-PATENT-CLASS-321-2	c 10	N71-26085 #	US-PATENT-CLASS-324-102	c 33	N79-14305 #
US-PATENT-CLASS-318-599	c 10	N71-24861 #	US-PATENT-CLASS-321-2	c 09	N72-22196 #	US-PATENT-CLASS-324-103	c 10	N71-27338 #
US-PATENT-CLASS-318-602	c 33	N74-29556 #	US-PATENT-CLASS-321-2	c 09	N72-22203 #	US-PATENT-CLASS-324-106	c 14	N70-38602 #
US-PATENT-CLASS-318-603	c 33	N74-29556 #	US-PATENT-CLASS-321-2	c 03	N72-23048 #	US-PATENT-CLASS-324-106	c 08	N71-29138 #
US-PATENT-CLASS-318-608	c 33	N75-13139 #	US-PATENT-CLASS-321-2	c 09	N72-25249 #	US-PATENT-CLASS-324-107	c 10	N71-27338 #
US-PATENT-CLASS-318-611	c 37	N85-30333 #	US-PATENT-CLASS-321-2	c 09	N72-25251 #	US-PATENT-CLASS-324-112	c 33	N79-14305 #
US-PATENT-CLASS-318-616	c 08	N79-23097 #	US-PATENT-CLASS-321-2	c 09	N72-25252 #	US-PATENT-CLASS-324-113	c 09	N70-41655 #
US-PATENT-CLASS-318-620	c 33	N82-18493 #	US-PATENT-CLASS-321-2	c 09	N72-25253 #	US-PATENT-CLASS-324-113	c 33	N75-19521 #
US-PATENT-CLASS-318-621	c 33	N82-18493 #	US-PATENT-CLASS-321-2	c 09	N72-25254 #	US-PATENT-CLASS-324-113	c 33	N79-11315 #
US-PATENT-CLASS-318-622	c 33	N82-18493 #	US-PATENT-CLASS-321-2	c 33	N74-11049 #	US-PATENT-CLASS-324-113	c 33	N79-14305 #
US-PATENT-CLASS-318-628	c 08	N74-10942 #	US-PATENT-CLASS-321-2	c 33	N77-10428 #	US-PATENT-CLASS-324-115	c 14	N71-26244 #
US-PATENT-CLASS-318-640	c 33	N75-13139 #	US-PATENT-CLASS-321-45C	c 10	N73-26228 #	US-PATENT-CLASS-324-115	c 10	N72-20222 #
US-PATENT-CLASS-318-640	c 54	N75-27758 #	US-PATENT-CLASS-321-45ER	c 09	N72-25252 #	US-PATENT-CLASS-324-117	c 14	N71-23037 #
US-PATENT-CLASS-318-640	c 35	N79-14348 #	US-PATENT-CLASS-321-45R	c 09	N72-25252 #	US-PATENT-CLASS-324-118	c 33	N74-17930 #
US-PATENT-CLASS-318-640	c 37	N81-27519 #	US-PATENT-CLASS-321-45R	c 09	N72-25254 #	US-PATENT-CLASS-324-119	c 09	N72-11225 #
US-PATENT-CLASS-318-649	c 33	N75-13139 #	US-PATENT-CLASS-321-45R	c 33	N74-22864 #	US-PATENT-CLASS-324-120	c 14	N71-19431 #
US-PATENT-CLASS-318-653	c 10	N71-27136 #	US-PATENT-CLASS-321-45S	c 33	N74-11049 #	US-PATENT-CLASS-324-120	c 09	N71-23021 #
US-PATENT-CLASS-318-663	c 37	N81-33483 #	US-PATENT-CLASS-321-45	c 09	N71-24800 #	US-PATENT-CLASS-324-123C	c 33	N79-23273 #
US-PATENT-CLASS-318-664	c 33	N74-29556 #	US-PATENT-CLASS-321-45	c 09	N72-22203 #	US-PATENT-CLASS-324-123R	c 09	N72-11225 #
US-PATENT-CLASS-318-675	c 33	N75-13139 #	US-PATENT-CLASS-321-47	c 09	N71-33109 #	US-PATENT-CLASS-324-127	c 33	N79-18193 #
US-PATENT-CLASS-318-675	c 37	N77-27400 #	US-PATENT-CLASS-321-47	c 09	N72-25253 #	US-PATENT-CLASS-324-130	c 35	N78-28411 #
US-PATENT-CLASS-318-685	c 33	N83-35227 #	US-PATENT-CLASS-321-48	c 12	N71-20896 #	US-PATENT-CLASS-324-132	c 09	N71-13530 #
US-PATENT-CLASS-318-729	c 33	N83-34190 #	US-PATENT-CLASS-321-5	c 08	N71-18752 #	US-PATENT-CLASS-324-132	c 10	N72-20222 #
US-PATENT-CLASS-318-729	c 33	N84-14424 #	US-PATENT-CLASS-321-60	c 14	N71-23174 #	US-PATENT-CLASS-324-133	c 10	N71-27338 #
US-PATENT-CLASS-318-729	c 33	N84-22885 #	US-PATENT-CLASS-321-61	c 09	N71-27364 #	US-PATENT-CLASS-324-133	c 33	N79-10337 #
US-PATENT-CLASS-318-729	c 33	N84-22886 #	US-PATENT-CLASS-321-64	c 09	N71-27364 #	US-PATENT-CLASS-324-133	c 33	N79-11315 #
US-PATENT-CLASS-318-729	c 33	N84-27975 #	US-PATENT-CLASS-321-69	c 10	N71-26414 #	US-PATENT-CLASS-324-133	c 33	N79-14305 #
US-PATENT-CLASS-318-729	c 33	N84-33661 #	US-PATENT-CLASS-321-8R	c 35	N74-18090 #	US-PATENT-CLASS-324-133	c 33	N79-18193 #
US-PATENT-CLASS-318-729	c 44	N85-21769 #	US-PATENT-CLASS-321-9	c 10	N71-25139 #	US-PATENT-CLASS-324-158D	c 15	N72-25457 #
US-PATENT-CLASS-318-729	c 33	N85-22877 #	US-PATENT-CLASS-322-2R	c 07	N83-20944 #	US-PATENT-CLASS-324-158D	c 76	N76-20994 #
US-PATENT-CLASS-318-798	c 33	N83-34190 #	US-PATENT-CLASS-322-25	c 33	N84-33660 #	US-PATENT-CLASS-324-158D	c 44	N80-18551 #
US-PATENT-CLASS-318-798	c 33	N83-35227 #	US-PATENT-CLASS-322-29	c 33	N83-28319 #	US-PATENT-CLASS-324-158D	c 76	N84-35112 #
US-PATENT-CLASS-318-798	c 33	N84-14424 #	US-PATENT-CLASS-322-29	c 33	N84-33660 #	US-PATENT-CLASS-324-158D	c 76	N85-30923 #
US-PATENT-CLASS-318-798	c 33	N84-22885 #	US-PATENT-CLASS-322-2	c 03	N72-23048 #	US-PATENT-CLASS-324-158R	c 76	N76-20994 #
US-PATENT-CLASS-318-799	c 33	N81-27395 #	US-PATENT-CLASS-322-32	c 09	N71-27364 #	US-PATENT-CLASS-324-158R	c 33	N85-30187 #
US-PATENT-CLASS-318-799	c 33	N84-16455 #	US-PATENT-CLASS-322-35	c 33	N83-28319 #	US-PATENT-CLASS-324-158T	c 15	N72-25457 #
US-PATENT-CLASS-318-800	c 33	N83-31953 #	US-PATENT-CLASS-322-47	c 33	N83-28319 #	US-PATENT-CLASS-324-158T	c 35	N75-12270 #
US-PATENT-CLASS-318-802	c 33	N84-33661 #	US-PATENT-CLASS-322-47	c 33	N84-33660 #	US-PATENT-CLASS-324-158T	c 76	N76-20994 #
US-PATENT-CLASS-318-803	c 33	N83-10345 #	US-PATENT-CLASS-322-95	c 33	N83-28319 #	US-PATENT-CLASS-324-158T	c 33	N80-14332 #
US-PATENT-CLASS-318-803	c 33	N83-31953 #	US-PATENT-CLASS-322-95	c 33	N84-33660 #	US-PATENT-CLASS-324-158T	c 76	N84-35112 #
US-PATENT-CLASS-318-805	c 33	N84-22885 #	US-PATENT-CLASS-322-96	c 33	N77-26387 #	US-PATENT-CLASS-324-158	c 09	N69-21926 #
US-PATENT-CLASS-318-806	c 33	N82-26569 #	US-PATENT-CLASS-323-DIG 1	c 09	N72-21243 #	US-PATENT-CLASS-324-163	c 35	N77-30436 #
US-PATENT-CLASS-318-806	c 33	N83-34190 #	US-PATENT-CLASS-323-DIG 1	c 09	N72-25249 #	US-PATENT-CLASS-324-165	c 35	N77-30436 #
US-PATENT-CLASS-318-806	c 33	N83-35227 #	US-PATENT-CLASS-323-DIG 1	c 33	N74-11049 #	US-PATENT-CLASS-324-173	c 35	N78-32396 #
US-PATENT-CLASS-318-806	c 33	N84-14424 #	US-PATENT-CLASS-323-DIG 1	c 33	N77-10428 #	US-PATENT-CLASS-324-174	c 35	N77-30436 #
US-PATENT-CLASS-318-809	c 33	N83-31953 #	US-PATENT-CLASS-323-106	c 33	N74-22885 #	US-PATENT-CLASS-324-181	c 09	N71-24717 #
US-PATENT-CLASS-318-809	c 33	N84-27975 #	US-PATENT-CLASS-323-122	c 33	N74-22885 #	US-PATENT-CLASS-324-186	c 09	N72-25257 #
US-PATENT-CLASS-318-810	c 33	N81-27395 #	US-PATENT-CLASS-323-128	c 33	N74-22885 #	US-PATENT-CLASS-324-186	c 52	N74-12778 #
US-PATENT-CLASS-318-810	c 33	N84-22885 #	US-PATENT-CLASS-323-15	c 20	N79-20179 #	US-PATENT-CLASS-324-20R	c 09	N72-23172 #
US-PATENT-CLASS-318-812	c 33	N82-26569 #	US-PATENT-CLASS-323-15	c 44	N80-14472 #	US-PATENT-CLASS-324-20R	c 44	N79-12541 #
US-PATENT-CLASS-318-812	c 33	N84-22886 #	US-PATENT-CLASS-323-17	c 09	N72-25249 #	US-PATENT-CLASS-324-207	c 35	N78-32396 #
US-PATENT-CLASS-318-812	c 33	N85-22877 #	US-PATENT-CLASS-323-17	c 33	N77-10428 #	US-PATENT-CLASS-324-22	c 44	N79-12541 #
US-PATENT-CLASS-318-830	c 33	N82-26569 #	US-PATENT-CLASS-323-18	c 33	N78-17295 #	US-PATENT-CLASS-324-249	c 35	N78-32397 #
US-PATENT-CLASS-32-28	c 05	N73-27062 #	US-PATENT-CLASS-323-19	c 08	N72-31226 #	US-PATENT-CLASS-324-250	c 35	N84-12444 #
US-PATENT-CLASS-32-58	c 05	N73-27062 #	US-PATENT-CLASS-323-19	c 33	N78-17296 #	US-PATENT-CLASS-324-262	c 35	N84-22928 #
US-PATENT-CLASS-320-13	c 03	N71-29129 #	US-PATENT-CLASS-323-19	c 44	N80-14472 #	US-PATENT-CLASS-324-29 5	c 14	N72-25020 #
US-PATENT-CLASS-320-13	c 44	N78-25531 #	US-PATENT-CLASS-323-20	c 14	N71-27407 #	US-PATENT-CLASS-324-29 5	c 03	N73-30388 #
US-PATENT-CLASS-320-15	c 44	N78-14625 #	US-PATENT-CLASS-323-20	c 20	N79-20179 #	US-PATENT-CLASS-324-29 5	c 44	N74-27519 #
US-PATENT-CLASS-320-15	c 44	N78-25531 #	US-PATENT-CLASS-323-22T	c 09	N72-21243 #	US-PATENT-CLASS-324-30B	c 33	N76-19339 #
US-PATENT-CLASS-320-17	c 03	N71-24605 #	US-PATENT-CLASS-323-22T	c 09	N72-25249 #	US-PATENT-CLASS-324-30R	c 14	N73-20478 #
US-PATENT-CLASS-320-18	c 44	N78-14625 #	US-PATENT-CLASS-323-22T	c 33	N77-10428 #	US-PATENT-CLASS-324-32	c 14	N71-16014 #
US-PATENT-CLASS-320-21	c 44	N76-18643 #	US-PATENT-CLASS-323-22T	c 33	N79-23345 #	US-PATENT-CLASS-324-32	c 33	N75-18477 #
US-PATENT-CLASS-320-22	c 44	N76-18643 #	US-PATENT-CLASS-323-22	c 09	N71-21449 #	US-PATENT-CLASS-324-32	c 33	N75-19522 #
US-PATENT-CLASS-320-23	c 03	N71-19438 #	US-PATENT-CLASS-323-22	c 09	N71-23316 #	US-PATENT-CLASS-324-32	c 35	N78-28411 #
US-PATENT-CLASS-320-2	c 44	N77-14581 #	US-PATENT-CLASS-323-23	c 33	N77-10428 #	US-PATENT-CLASS-324-33	c 25	N69-39884 #
US-PATENT-CLASS-320-32	c 44	N78-25531 #	US-PATENT-CLASS-323-243	c 33	N84-16455 #	US-PATENT-CLASS-324-33	c 14	N70-35666 #
US-PATENT-CLASS-320-39	c 03	N71-24719 #	US-PATENT-CLASS-323-246	c 33	N84-16455 #	US-PATENT-CLASS-324-33	c 24	N71-20518 #
US-PATENT-CLASS-320-39	c 44	N78-25531 #	US-PATENT-CLASS-323-269	c 33	N83-27126 #	US-PATENT-CLASS-324-33	c 14	N71-21090 #
US-PATENT-CLASS-320-40	c 44	N78-14625 #	US-PATENT-CLASS-323-300	c 33	N84-27975 #	US-PATENT-CLASS-324-33	c 14	N71-27090 #
US-PATENT-CLASS-320-48	c 03	N72-25020 #	US-PATENT-CLASS-323-303	c 33	N83-27126 #	US-PATENT-CLASS-324-34FL	c 35	N74-21018 #
US-PATENT-CLASS-320-53	c 33	N78-17296 #	US-PATENT-CLASS-323-350	c 33	N83-27126 #	US-PATENT-CLASS-324-34	c 26	N76-18257 #
US-PATENT-CLASS-320-6	c 44	N78-14625 #	US-PATENT-CLASS-323-38	c 09	N72-21243 #	US-PATENT-CLASS-324-34	c 25	N71-16073 #
US-PATENT-CLASS-320-9	c 44	N78-25531 #	US-PATENT-CLASS-323-44F	c 33	N79-17133 #	US-PATENT-CLASS-324-40	c 44	N80-18551 #
US-PATENT-CLASS-321-1 5	c 09	N73-32109 #	US-PATENT-CLASS-323-48	c 09	N71-27053 #	US-PATENT-CLASS-324-40	c 38	N74-15395 #
US-PATENT-CLASS-321-10	c 09	N72-17154 #	US-PATENT-CLASS-323-48	c 09	N72-25262 #	US-PATENT-CLASS-324-41	c 10	N72-28240 #

US-PATENT-CLASS-324-457	c 72	N84-28575 * #	US-PATENT-CLASS-324-79R	c 33	N84-16454 * #	US-PATENT-CLASS-325-42	c 07	N71-11266 * #
US-PATENT-CLASS-324-466	c 33	N83-31954 * #	US-PATENT-CLASS-324-83A	c 10	N72-20224 * #	US-PATENT-CLASS-325-42	c 32	N76-21366 * #
US-PATENT-CLASS-324-51	c 33	N80-26599 * #	US-PATENT-CLASS-324-83A	c 33	N84-16454 * #	US-PATENT-CLASS-325-42	c 32	N77-30308 * #
US-PATENT-CLASS-324-51	c 33	N81-26359 * #	US-PATENT-CLASS-324-83D	c 33	N79-10338 * #	US-PATENT-CLASS-325-445	c 07	N72-20141 * #
US-PATENT-CLASS-324-51	c 33	N82-24420 * #	US-PATENT-CLASS-324-83Q	c 35	N74-21017 * #	US-PATENT-CLASS-325-446	c 09	N69-24324 * #
US-PATENT-CLASS-324-52	c 14	N72-17325 * #	US-PATENT-CLASS-324-83Q	c 33	N75-26243 * #	US-PATENT-CLASS-325-45	c 07	N73-25160 * #
US-PATENT-CLASS-324-52	c 14	N73-28486 * #	US-PATENT-CLASS-324-83R	c 33	N84-16454 * #	US-PATENT-CLASS-325-473	c 07	N71-33696 * #
US-PATENT-CLASS-324-52	c 33	N79-18193 * #	US-PATENT-CLASS-324-85	c 10	N72-20224 * #	US-PATENT-CLASS-325-473	c 10	N73-12244 * #
US-PATENT-CLASS-324-52	c 33	N82-24420 * #	US-PATENT-CLASS-324-85	c 33	N79-10338 * #	US-PATENT-CLASS-325-473	c 32	N77-30308 * #
US-PATENT-CLASS-324-54	c 33	N75-18477 * #	US-PATENT-CLASS-324-92	c 26	N72-25680 * #	US-PATENT-CLASS-325-476	c 32	N77-10392 * #
US-PATENT-CLASS-324-57DE	c 33	N78-25319 * #	US-PATENT-CLASS-324-95	c 10	N71-12554 * #	US-PATENT-CLASS-325-478	c 07	N71-33696 * #
US-PATENT-CLASS-324-57H	c 35	N77-32455 * #	US-PATENT-CLASS-324-95	c 14	N73-30388 * #	US-PATENT-CLASS-325-480	c 07	N71-33696 * #
US-PATENT-CLASS-324-57PS	c 35	N75-21582 * #	US-PATENT-CLASS-324-96	c 26	N72-25680 * #	US-PATENT-CLASS-325-480	c 10	N73-12244 * #
US-PATENT-CLASS-324-57R	c 15	N72-21464 * #	US-PATENT-CLASS-324-96	c 33	N79-10337 * #	US-PATENT-CLASS-325-482	c 07	N71-33696 * #
US-PATENT-CLASS-324-57R	c 14	N73-30388 * #	US-PATENT-CLASS-324-99D	c 33	N79-22373 * #	US-PATENT-CLASS-325-492	c 09	N72-17153 * #
US-PATENT-CLASS-324-57R	c 35	N74-18090 * #	US-PATENT-CLASS-325-10	c 07	N72-12081 * #	US-PATENT-CLASS-325-492	c 09	N72-22202 * #
US-PATENT-CLASS-324-57R	c 33	N79-10338 * #	US-PATENT-CLASS-325-113	c 07	N71-24840 * #	US-PATENT-CLASS-325-4	c 07	N71-16088 * #
US-PATENT-CLASS-324-57R	c 35	N79-14349 * #	US-PATENT-CLASS-325-113	c 07	N73-25160 * #	US-PATENT-CLASS-325-4	c 07	N71-19773 * #
US-PATENT-CLASS-324-57SS	c 33	N78-25319 * #	US-PATENT-CLASS-325-113	c 52	N74-26625 * #	US-PATENT-CLASS-325-4	c 07	N71-24621 * #
US-PATENT-CLASS-324-57	c 10	N71-16057 * #	US-PATENT-CLASS-325-114	c 07	N72-25171 * #	US-PATENT-CLASS-325-4	c 07	N72-11149 * #
US-PATENT-CLASS-324-57	c 09	N71-20569 * #	US-PATENT-CLASS-325-114	c 03	N76-32140 * #	US-PATENT-CLASS-325-4	c 07	N72-12080 * #
US-PATENT-CLASS-324-58 5A	c 33	N75-26245 * #	US-PATENT-CLASS-325-115	c 03	N76-32140 * #	US-PATENT-CLASS-325-4	c 07	N72-20140 * #
US-PATENT-CLASS-324-58 5B	c 43	N78-10529 * #	US-PATENT-CLASS-325-118	c 17	N78-17140 * #	US-PATENT-CLASS-325-4	c 07	N72-25171 * #
US-PATENT-CLASS-324-58 5C	c 33	N75-26245 * #	US-PATENT-CLASS-325-12	c 07	N73-20174 * #	US-PATENT-CLASS-325-4	c 07	N73-20174 * #
US-PATENT-CLASS-324-58 5	c 15	N71-17822 * #	US-PATENT-CLASS-325-139	c 07	N73-20174 * #	US-PATENT-CLASS-325-4	c 15	N75-13007 * #
US-PATENT-CLASS-324-58 5	c 25	N71-20563 * #	US-PATENT-CLASS-325-139	c 07	N73-20174 * #	US-PATENT-CLASS-325-4	c 32	N75-26195 * #
US-PATENT-CLASS-324-58 5	c 14	N71-26137 * #	US-PATENT-CLASS-325-141	c 07	N72-12081 * #	US-PATENT-CLASS-325-4	c 32	N77-20289 * #
US-PATENT-CLASS-324-58 5	c 18	N71-27397 * #	US-PATENT-CLASS-325-141	c 52	N74-26625 * #	US-PATENT-CLASS-325-4	c 32	N79-11265 * #
US-PATENT-CLASS-324-58A	c 33	N78-25319 * #	US-PATENT-CLASS-325-143	c 05	N71-12342 * #	US-PATENT-CLASS-325-4	c 32	N80-20448 * #
US-PATENT-CLASS-324-59	c 35	N77-32455 * #	US-PATENT-CLASS-325-145	c 32	N77-14292 * #	US-PATENT-CLASS-325-51	c 07	N72-25173 * #
US-PATENT-CLASS-324-5	c 14	N71-28991 * #	US-PATENT-CLASS-325-148	c 32	N74-19790 * #	US-PATENT-CLASS-325-55	c 07	N72-25173 * #
US-PATENT-CLASS-324-60C	c 35	N75-12270 * #	US-PATENT-CLASS-325-14	c 17	N76-21250 * #	US-PATENT-CLASS-325-58	c 07	N72-11149 * #
US-PATENT-CLASS-324-60C	c 76	N76-20994 * #	US-PATENT-CLASS-325-14	c 32	N80-20448 * #	US-PATENT-CLASS-325-58	c 07	N72-20140 * #
US-PATENT-CLASS-324-60	c 33	N77-31404 * #	US-PATENT-CLASS-325-151 11	c 08	N71-27057 * #	US-PATENT-CLASS-325-58	c 07	N72-25173 * #
US-PATENT-CLASS-324-61R	c 14	N72-24477 * #	US-PATENT-CLASS-325-159	c 38	N78-32340 * #	US-PATENT-CLASS-325-58	c 32	N78-15323 * #
US-PATENT-CLASS-324-61R	c 35	N76-22509 * #	US-PATENT-CLASS-325-163	c 07	N71-23405 * #	US-PATENT-CLASS-325-58	c 32	N79-20296 * #
US-PATENT-CLASS-324-61	c 14	N69-39785 * #	US-PATENT-CLASS-325-16	c 07	N71-27056 * #	US-PATENT-CLASS-325-5	c 07	N73-20174 * #
US-PATENT-CLASS-324-61	c 14	N70-36618 * #	US-PATENT-CLASS-325-17	c 07	N73-20174 * #	US-PATENT-CLASS-325-60	c 08	N71-19763 * #
US-PATENT-CLASS-324-61	c 14	N71-10797 * #	US-PATENT-CLASS-325-185	c 07	N71-28430 * #	US-PATENT-CLASS-325-60	c 07	N73-61211 * #
US-PATENT-CLASS-324-61	c 18	N71-27397 * #	US-PATENT-CLASS-325-186	c 03	N76-32140 * #	US-PATENT-CLASS-325-60	c 32	N75-24981 * #
US-PATENT-CLASS-324-61	c 14	N72-22442 * #	US-PATENT-CLASS-325-187	c 33	N78-32340 * #	US-PATENT-CLASS-325-61	c 07	N73-25160 * #
US-PATENT-CLASS-324-62R	c 14	N73-30388 * #	US-PATENT-CLASS-325-23	c 07	N71-27056 * #	US-PATENT-CLASS-325-62	c 08	N72-25208 * #
US-PATENT-CLASS-324-62	c 33	N80-32650 * #	US-PATENT-CLASS-325-29	c 09	N72-22202 * #	US-PATENT-CLASS-325-62	c 44	N74-19870 * #
US-PATENT-CLASS-324-64	c 15	N72-21464 * #	US-PATENT-CLASS-325-302	c 07	N72-25173 * #	US-PATENT-CLASS-325-63	c 10	N71-19467 * #
US-PATENT-CLASS-324-64	c 33	N80-32650 * #	US-PATENT-CLASS-325-304	c 32	N76-14321 * #	US-PATENT-CLASS-325-63	c 07	N73-20174 * #
US-PATENT-CLASS-324-65-P	c 35	N85-34373 * #	US-PATENT-CLASS-325-305	c 07	N71-10775 * #	US-PATENT-CLASS-325-63	c 32	N78-15323 * #
US-PATENT-CLASS-324-65P	c 14	N73-20478 * #	US-PATENT-CLASS-325-305	c 10	N71-20841 * #	US-PATENT-CLASS-325-63	c 32	N79-20296 * #
US-PATENT-CLASS-324-65R	c 15	N72-23497 * #	US-PATENT-CLASS-325-305	c 07	N71-23098 * #	US-PATENT-CLASS-325-64	c 07	N72-25173 * #
US-PATENT-CLASS-324-65R	c 33	N85-30187 * #	US-PATENT-CLASS-325-305	c 32	N80-18253 * #	US-PATENT-CLASS-325-65	c 07	N70-41331 * #
US-PATENT-CLASS-324-65	c 14	N71-27186 * #	US-PATENT-CLASS-325-306	c 32	N76-14321 * #	US-PATENT-CLASS-325-65	c 07	N70-41372 * #
US-PATENT-CLASS-324-66	c 05	N72-16015 * #	US-PATENT-CLASS-325-307	c 32	N80-18253 * #	US-PATENT-CLASS-325-65	c 07	N71-11284 * #
US-PATENT-CLASS-324-70	c 14	N70-41332 * #	US-PATENT-CLASS-325-30	c 32	N74-26654 * #	US-PATENT-CLASS-325-65	c 32	N77-30308 * #
US-PATENT-CLASS-324-70	c 14	N71-22990 * #	US-PATENT-CLASS-325-30	c 32	N75-24981 * #	US-PATENT-CLASS-325-66	c 17	N78-17140 * #
US-PATENT-CLASS-324-70	c 10	N71-24863 * #	US-PATENT-CLASS-325-30	c 32	N77-30308 * #	US-PATENT-CLASS-325-67	c 07	N71-26292 * #
US-PATENT-CLASS-324-71 3	c 72	N84-28575 * #	US-PATENT-CLASS-325-31	c 07	N71-20791 * #	US-PATENT-CLASS-325-67	c 10	N73-25241 * #
US-PATENT-CLASS-324-71 5	c 76	N85-30923 * #	US-PATENT-CLASS-325-320	c 33	N74-12887 * #	US-PATENT-CLASS-325-67	c 35	N75-21582 * #
US-PATENT-CLASS-324-71CP	c 35	N76-22509 * #	US-PATENT-CLASS-325-320	c 32	N74-20809 * #	US-PATENT-CLASS-325-67	c 32	N79-11265 * #
US-PATENT-CLASS-324-71CP	c 35	N82-11431 * #	US-PATENT-CLASS-325-320	c 32	N74-20811 * #	US-PATENT-CLASS-325-7	c 07	N73-20174 * #
US-PATENT-CLASS-324-71R	c 09	N72-21246 * #	US-PATENT-CLASS-325-320	c 33	N74-27705 * #	US-PATENT-CLASS-325-8	c 07	N73-20174 * #
US-PATENT-CLASS-324-71R	c 15	N72-21464 * #	US-PATENT-CLASS-325-321	c 07	N72-20140 * #	US-PATENT-CLASS-325-8	c 32	N80-20448 * #
US-PATENT-CLASS-324-71	c 09	N71-24843 * #	US-PATENT-CLASS-325-321	c 32	N74-20810 * #	US-PATENT-CLASS-325-9	c 07	N73-20174 * #
US-PATENT-CLASS-324-72 5	c 44	N74-27519 * #	US-PATENT-CLASS-325-321	c 32	N76-16249 * #	US-PATENT-CLASS-325-9	c 32	N80-20448 * #
US-PATENT-CLASS-324-72 5	c 72	N84-28575 * #	US-PATENT-CLASS-325-322	c 32	N77-10392 * #	US-PATENT-CLASS-328-104	c 08	N72-22162 * #
US-PATENT-CLASS-324-72	c 10	N71-19421 * #	US-PATENT-CLASS-325-325	c 07	N71-24613 * #	US-PATENT-CLASS-328-104	c 10	N73-13235 * #
US-PATENT-CLASS-324-72	c 14	N71-23699 * #	US-PATENT-CLASS-325-325	c 07	N72-25173 * #	US-PATENT-CLASS-328-106	c 09	N72-22201 * #
US-PATENT-CLASS-324-72	c 07	N73-20175 * #	US-PATENT-CLASS-325-325	c 07	N73-13149 * #	US-PATENT-CLASS-328-110	c 09	N71-12519 * #
US-PATENT-CLASS-324-72	c 14	N73-32318 * #	US-PATENT-CLASS-325-346	c 10	N73-16205 * #	US-PATENT-CLASS-328-111	c 60	N77-12721 * #
US-PATENT-CLASS-324-72	c 33	N74-27862 * #	US-PATENT-CLASS-325-346	c 32	N74-30523 * #	US-PATENT-CLASS-328-115	c 33	N75-18479 * #
US-PATENT-CLASS-324-72	c 33	N75-26246 * #	US-PATENT-CLASS-325-346	c 32	N77-24331 * #	US-PATENT-CLASS-328-116	c 09	N69-39885 * #
US-PATENT-CLASS-324-72	c 33	N77-10429 * #	US-PATENT-CLASS-325-347	c 07	N71-33696 * #	US-PATENT-CLASS-328-120	c 09	N71-27016 * #
US-PATENT-CLASS-324-72	c 33	N79-10337 * #	US-PATENT-CLASS-325-348	c 07	N71-33696 * #	US-PATENT-CLASS-328-123	c 60	N74-12888 * #
US-PATENT-CLASS-324-72	c 33	N79-14305 * #	US-PATENT-CLASS-325-349	c 32	N77-10392 * #	US-PATENT-CLASS-328-129	c 14	N73-30386 * #
US-PATENT-CLASS-324-72	c 47	N82-24779 * #	US-PATENT-CLASS-325-363	c 07	N71-11267 * #	US-PATENT-CLASS-328-133	c 09	N71-24596 * #
US-PATENT-CLASS-324-73AT	c 08	N72-22166 * #	US-PATENT-CLASS-325-363	c 14	N71-26774 * #	US-PATENT-CLASS-328-133	c 10	N72-20224 * #
US-PATENT-CLASS-324-73AT	c 33	N81-26359 * #	US-PATENT-CLASS-325-363	c 14	N72-28437 * #	US-PATENT-CLASS-328-133	c 33	N75-26243 * #
US-PATENT-CLASS-324-73R	c 33	N83-18996 * #	US-PATENT-CLASS-325-363	c 10	N73-25241 * #	US-PATENT-CLASS-328-133	c 33	N77-13315 * #
US-PATENT-CLASS-324-73	c 14	N71-28991 * #	US-PATENT-CLASS-325-363	c 35	N80-18359 * #	US-PATENT-CLASS-328-133	c 33	N79-11313 * #
US-PATENT-CLASS-324-74	c 35	N78-28411 * #	US-PATENT-CLASS-325-369	c 07	N71-27056 * #	US-PATENT-CLASS-328-133	c 33	N84-16454 * #
US-PATENT-CLASS-324-77B	c 60	N75-13539 * #	US-PATENT-CLASS-325-372	c 32	N76-14321 * #	US-PATENT-CLASS-328-134	c 08	N71-18692 * #
US-PATENT-CLASS-324-77B	c 32	N79-10262 * #	US-PATENT-CLASS-325-373	c 07	N72-33146 * #	US-PATENT-CLASS-328-134	c 14	N73-30386 * #
US-PATENT-CLASS-324-77C	c 32	N79-10262 * #	US-PATENT-CLASS-325-388	c 35	N74-17885 * #	US-PATENT-CLASS-328-134	c 33	N76-16331 * #
US-PATENT-CLASS-324-77G	c 08	N72-20177 * #	US-PATENT-CLASS-325-38	c 07	N72-20140 * #	US-PATENT-CLASS-328-134	c 33	N81-17349 * #
US-PATENT-CLASS-324-77H	c 35	N75-21582 * #	US-PATENT-CLASS-325-38	c 07	N72-25173 * #	US-PATENT-CLASS-328-136	c 09	N72-25257 * #
US-PATENT-CLASS-324-77K	c 35	N79-10391 * #	US-PATENT-CLASS-325-39	c 07	N72-11149 * #	US-PATENT-CLASS-328-140	c 09	N72-25257 * #
US-PATENT-CLASS-324-77R	c 10	N73-25240 * #	US-PATENT-CLASS-325-40	c 07	N73-26118 * #	US-PATENT-CLASS-328-142	c 09	N72-21245 * #
US-PATENT-CLASS-324-77R	c 47	N82-24779 * #	US-PATENT-CLASS-325-419	c 10	N73-16205 * #	US-PATENT-CLASS-328-145	c 32	N76-14321 * #
US-PATENT-CLASS-324-77	c 09	N71-10659 * #	US-PATENT-CLASS-325-419	c 07	N73-28012 * #	US-PATENT-CLASS-328-145	c 09	N72-23173 * #
US-PATENT-CLASS-324-77	c 07	N71-24622 * #	US-PATENT-CLASS-325-419	c 32	N74-20810 * #	US-PATENT-CLASS-328-145	c 33	N78-32339 * #
US-PATENT-CLASS-324-78D	c 09	N72-25257 * #	US-PATENT-CLASS-325-419	c 32	N74-20811 * #	US-PATENT-CLASS-328-150	c 33	N78-18308 * #
US-PATENT-CLASS-324-78D	c 52	N74-12778 * #	US-PATENT-CLASS-325-419	c 32	N80-18253 * #	US-PATENT-CLASS-328-151	c 09	N72-22200 * #
US-PATENT-CLASS-324-78E	c 14	N73-24473 * #	US-PATENT-CLASS-325-41	c 10	N71-26577 * #	US-PATENT-CLASS-328-151	c 33	N75-18479 * #
US-PATENT-CLASS-324-78J	c 10	N73-25240 * #	US-PATENT-CLASS-325-41	c 32	N77-12240 * #	US-PATENT-CLASS-328-151	c 33	N81-27396 * #
US-PATENT-CLASS-324-78J	c 33	N75-19515 * #	US-PATENT-CLASS-325-41	c 32	N79-10263 * #	US-PATENT-CLASS-328-154	c 08	N72-22162 * #
US-PATENT-CLASS-324-79D	c 14	N73-30386 * #	US-PATENT-CLASS-325-420	c 07	N73-30113 * #	US-PATENT-CLASS-328-154	c 10	N73-13235 * #
US-PATENT-CLASS-324-79D	c 33	N76-16331 * #	US-PATENT-CLASS-325-422	c 07				

US-PATENT-CLASS-328-155	c 09	N72-33204 *	#	US-PATENT-CLASS-329-204	c 33	N75-19520 *	#	US-PATENT-CLASS-330-29	c 09	N69-24330 *	#
US-PATENT-CLASS-328-155	c 33	N74-17927 *	#	US-PATENT-CLASS-329-204	c 33	N75-25041 *	#	US-PATENT-CLASS-330-29	c 10	N72-28241 *	#
US-PATENT-CLASS-328-155	c 17	N76-22245 *	#	US-PATENT-CLASS-329-205	c 33	N77-21314 *	#	US-PATENT-CLASS-330-2	c 09	N69-39986 *	#
US-PATENT-CLASS-328-160	c 32	N74-19788 *	#	US-PATENT-CLASS-329-50	c 33	N74-17930 *	#	US-PATENT-CLASS-330-2	c 09	N72-25250 *	#
US-PATENT-CLASS-328-161	c 33	N77-17354 *	#	US-PATENT-CLASS-329-50	c 35	N81-19427 *	#	US-PATENT-CLASS-330-2	c 33	N78-10375 *	#
US-PATENT-CLASS-328-163	c 33	N79-10338 *	#	US-PATENT-CLASS-33 8UB	c 27	N81-15104 *	#	US-PATENT-CLASS-330-2	c 33	N79-22373 *	#
US-PATENT-CLASS-328-164	c 07	N71-33696 *	#	US-PATENT-CLASS-33-DIG 13	c 35	N75-12273 *	#	US-PATENT-CLASS-330-30D	c 10	N72-20221 *	#
US-PATENT-CLASS-328-165	c 09	N71-24806 *	#	US-PATENT-CLASS-33-DIG 3	c 04	N84-14132 *	#	US-PATENT-CLASS-330-30D	c 09	N73-20232 *	#
US-PATENT-CLASS-328-165	c 07	N71-33696 *	#	US-PATENT-CLASS-33-1G	c 37	N76-21554 *	#	US-PATENT-CLASS-330-302	c 33	N85-29145 *	#
US-PATENT-CLASS-328-166	c 10	N72-20223 *	#	US-PATENT-CLASS-33-1M	c 35	N74-32877 *	#	US-PATENT-CLASS-330-306	c 33	N82-24417 *	#
US-PATENT-CLASS-328-166	c 33	N82-29539 *	#	US-PATENT-CLASS-33-1N	c 43	N79-26439 *	#	US-PATENT-CLASS-330-306	c 33	N85-29145 *	#
US-PATENT-CLASS-328-167	c 10	N71-22986 *	#	US-PATENT-CLASS-33-1Q	c 43	N79-26439 *	#	US-PATENT-CLASS-330-30	c 09	N71-19466 *	#
US-PATENT-CLASS-328-167	c 08	N71-29034 *	#	US-PATENT-CLASS-33-1SA	c 14	N72-28436 *	#	US-PATENT-CLASS-330-30	c 09	N71-19516 *	#
US-PATENT-CLASS-328-167	c 10	N72-17171 *	#	US-PATENT-CLASS-33-1SA	c 19	N74-21015 *	#	US-PATENT-CLASS-330-30	c 09	N71-27016 *	#
US-PATENT-CLASS-328-167	c 09	N72-21245 *	#	US-PATENT-CLASS-33-125R	c 52	N80-27072 *	#	US-PATENT-CLASS-330-310	c 33	N83-34191 *	#
US-PATENT-CLASS-328-167	c 09	N73-20231 *	#	US-PATENT-CLASS-33-125	c 14	N72-11364 *	#	US-PATENT-CLASS-330-31	c 10	N71-26331 *	#
US-PATENT-CLASS-328-167	c 08	N73-26175 *	#	US-PATENT-CLASS-33-143C	c 52	N82-22875 *	#	US-PATENT-CLASS-330-31	c 10	N72-17172 *	#
US-PATENT-CLASS-328-167	c 33	N82-24417 *	#	US-PATENT-CLASS-33-147	c 15	N71-19489 *	#	US-PATENT-CLASS-330-35	c 09	N72-17156 *	#
US-PATENT-CLASS-328-167	c 33	N85-29145 *	#	US-PATENT-CLASS-33-148D	c 35	N75-19615 *	#	US-PATENT-CLASS-330-35	c 09	N73-20232 *	#
US-PATENT-CLASS-328-168	c 32	N74-19788 *	#	US-PATENT-CLASS-33-149	c 14	N71-17657 *	#	US-PATENT-CLASS-330-35	c 33	N74-14939 *	#
US-PATENT-CLASS-328-16	c 10	N72-20223 *	#	US-PATENT-CLASS-33-15A	c 08	N72-11172 *	#	US-PATENT-CLASS-330-4	c 16	N73-32391 *	#
US-PATENT-CLASS-328-171	c 10	N71-24844 *	#	US-PATENT-CLASS-33-155R	c 33	N76-19338 *	#	US-PATENT-CLASS-330-4	c 36	N75-19655 *	#
US-PATENT-CLASS-328-172	c 32	N74-19788 *	#	US-PATENT-CLASS-33-169F	c 35	N84-28018 *	#	US-PATENT-CLASS-330-4	c 36	N75-27364 *	#
US-PATENT-CLASS-328-172	c 33	N78-17294 *	#	US-PATENT-CLASS-33-174B	c 37	N76-21554 *	#	US-PATENT-CLASS-330-4	c 36	N75-32441 *	#
US-PATENT-CLASS-328-186	c 09	N72-17157 *	#	US-PATENT-CLASS-33-174D	c 33	N76-19338 *	#	US-PATENT-CLASS-330-4	c 36	N76-29575 *	#
US-PATENT-CLASS-328-187	c 10	N73-20254 *	#	US-PATENT-CLASS-33-174L	c 43	N79-26439 *	#	US-PATENT-CLASS-330-4	c 36	N77-25502 *	#
US-PATENT-CLASS-328-189	c 14	N72-27408 *	#	US-PATENT-CLASS-33-174S	c 14	N72-22445 *	#	US-PATENT-CLASS-330-4	c 37	N78-19920 *	#
US-PATENT-CLASS-328-190	c 33	N76-14371 *	#	US-PATENT-CLASS-33-174	c 14	N69-21363 *	#	US-PATENT-CLASS-330-4	c 36	N82-28616 *	#
US-PATENT-CLASS-328-192	c 60	N81-15706 *	#	US-PATENT-CLASS-33-174	c 14	N71-17658 *	#	US-PATENT-CLASS-330-4	c 09	N72-25258 *	#
US-PATENT-CLASS-328-1	c 23	N71-16099 *	#	US-PATENT-CLASS-33-174	c 14	N71-24693 *	#	US-PATENT-CLASS-330-4	c 33	N74-32660 *	#
US-PATENT-CLASS-328-1	c 10	N71-19472 *	#	US-PATENT-CLASS-33-180R	c 35	N75-12273 *	#	US-PATENT-CLASS-330-40	c 07	N71-28430 *	#
US-PATENT-CLASS-328-1	c 09	N72-22200 *	#	US-PATENT-CLASS-33-189	c 15	N71-26145 *	#	US-PATENT-CLASS-330-40	c 09	N72-17155 *	#
US-PATENT-CLASS-328-207	c 09	N71-28468 *	#	US-PATENT-CLASS-33-1	c 14	N70-36907 *	#	US-PATENT-CLASS-330-40	c 09	N73-20232 *	#
US-PATENT-CLASS-328-207	c 10	N71-28860 *	#	US-PATENT-CLASS-33-204C	c 08	N72-11172 *	#	US-PATENT-CLASS-330-40	c 33	N75-30428 *	#
US-PATENT-CLASS-328-207	c 09	N71-29139 *	#	US-PATENT-CLASS-33-207	c 15	N71-15571 *	#	US-PATENT-CLASS-330-43	c 33	N79-10339 *	#
US-PATENT-CLASS-328-207	c 10	N72-20221 *	#	US-PATENT-CLASS-33-239R	c 35	N74-32877 *	#	US-PATENT-CLASS-330-43	c 33	N82-26568 *	#
US-PATENT-CLASS-328-20	c 10	N72-20223 *	#	US-PATENT-CLASS-33-268	c 89	N74-30886 *	#	US-PATENT-CLASS-330-49	c 14	N70-35220 *	#
US-PATENT-CLASS-328-230	c 35	N84-12444 *	#	US-PATENT-CLASS-33-285	c 36	N74-21091 *	#	US-PATENT-CLASS-330-4	c 16	N71-15550 *	#
US-PATENT-CLASS-328-233	c 10	N71-22962 *	#	US-PATENT-CLASS-33-286	c 18	N76-14186 *	#	US-PATENT-CLASS-330-4	c 16	N71-24831 *	#
US-PATENT-CLASS-328-233	c 75	N75-13625 *	#	US-PATENT-CLASS-33-293	c 35	N84-16523 *	#	US-PATENT-CLASS-330-4	c 16	N72-28521 *	#
US-PATENT-CLASS-328-233	c 37	N78-17386 *	#	US-PATENT-CLASS-33-31	c 14	N71-21079 *	#	US-PATENT-CLASS-330-4	c 36	N75-15029 *	#
US-PATENT-CLASS-328-24	c 09	N72-33204 *	#	US-PATENT-CLASS-33-322	c 06	N83-33882 *	#	US-PATENT-CLASS-330-4	c 36	N76-31512 *	#
US-PATENT-CLASS-328-37	c 08	N71-12503 *	#	US-PATENT-CLASS-33-348	c 04	N84-14132 *	#	US-PATENT-CLASS-330-4	c 36	N78-18410 *	#
US-PATENT-CLASS-328-37	c 10	N73-20254 *	#	US-PATENT-CLASS-33-356	c 04	N76-20114 *	#	US-PATENT-CLASS-330-4	c 36	N80-18372 *	#
US-PATENT-CLASS-328-37	c 33	N76-14373 *	#	US-PATENT-CLASS-33-356	c 04	N77-19056 *	#	US-PATENT-CLASS-330-4	c 36	N83-35350 *	#
US-PATENT-CLASS-328-37	c 33	N81-17349 *	#	US-PATENT-CLASS-33-356	c 04	N84-14132 *	#	US-PATENT-CLASS-330-5	c 71	N77-26919 *	#
US-PATENT-CLASS-328-38	c 10	N72-20223 *	#	US-PATENT-CLASS-33-361	c 04	N84-14132 *	#	US-PATENT-CLASS-330-51	c 10	N71-28859 *	#
US-PATENT-CLASS-328-38	c 33	N77-24375 *	#	US-PATENT-CLASS-33-366	c 35	N78-32395 *	#	US-PATENT-CLASS-330-51	c 33	N79-22373 *	#
US-PATENT-CLASS-328-39	c 33	N77-24375 *	#	US-PATENT-CLASS-33-46R	c 19	N74-21015 *	#	US-PATENT-CLASS-330-52	c 71	N78-14867 *	#
US-PATENT-CLASS-328-4	c 33	N77-24375 *	#	US-PATENT-CLASS-33-72	c 15	N72-11386 *	#	US-PATENT-CLASS-330-53	c 33	N74-32660 *	#
US-PATENT-CLASS-328-41	c 33	N75-31330 *	#	US-PATENT-CLASS-33-75R	c 14	N72-28436 *	#	US-PATENT-CLASS-330-59	c 09	N72-25250 *	#
US-PATENT-CLASS-328-42	c 08	N71-19432 *	#	US-PATENT-CLASS-33-96	c 33	N75-30430 *	#	US-PATENT-CLASS-330-59	c 33	N74-21851 *	#
US-PATENT-CLASS-328-44	c 08	N71-29034 *	#	US-PATENT-CLASS-330-103	c 32	N74-22096 *	#	US-PATENT-CLASS-330-59	c 33	N77-14335 *	#
US-PATENT-CLASS-328-48	c 14	N73-30386 *	#	US-PATENT-CLASS-330-107	c 10	N72-11256 *	#	US-PATENT-CLASS-330-5	c 33	N75-27251 *	#
US-PATENT-CLASS-328-48	c 33	N74-10223 *	#	US-PATENT-CLASS-330-107	c 10	N72-17172 *	#	US-PATENT-CLASS-330-61	c 09	N71-23097 *	#
US-PATENT-CLASS-328-48	c 60	N81-15706 *	#	US-PATENT-CLASS-330-107	c 33	N84-14421 *	#	US-PATENT-CLASS-330-63	c 33	N75-30428 *	#
US-PATENT-CLASS-328-49	c 10	N71-27137 *	#	US-PATENT-CLASS-330-109	c 10	N72-11256 *	#	US-PATENT-CLASS-330-69	c 33	N74-32712 *	#
US-PATENT-CLASS-328-55	c 33	N81-17349 *	#	US-PATENT-CLASS-330-109	c 10	N72-17171 *	#	US-PATENT-CLASS-330-69	c 33	N75-19518 *	#
US-PATENT-CLASS-328-58	c 08	N71-29138 *	#	US-PATENT-CLASS-330-109	c 10	N72-17172 *	#	US-PATENT-CLASS-330-6	c 35	N75-13213 *	#
US-PATENT-CLASS-328-58	c 33	N74-32711 *	#	US-PATENT-CLASS-330-109	c 09	N73-20231 *	#	US-PATENT-CLASS-330-70CR	c 10	N73-27171 *	#
US-PATENT-CLASS-328-59	c 33	N75-18479 *	#	US-PATENT-CLASS-330-109	c 33	N82-24417 *	#	US-PATENT-CLASS-330-70R	c 09	N72-21245 *	#
US-PATENT-CLASS-328-61	c 33	N75-19515 *	#	US-PATENT-CLASS-330-109	c 33	N84-14421 *	#	US-PATENT-CLASS-330-80T	c 09	N73-20232 *	#
US-PATENT-CLASS-328-61	c 09	N71-23525 *	#	US-PATENT-CLASS-330-10	c 33	N84-22887 *	#	US-PATENT-CLASS-330-85	c 09	N72-21245 *	#
US-PATENT-CLASS-328-62	c 10	N73-20254 *	#	US-PATENT-CLASS-330-110	c 33	N74-14939 *	#	US-PATENT-CLASS-330-86	c 09	N73-20231 *	#
US-PATENT-CLASS-328-63	c 35	N75-30504 *	#	US-PATENT-CLASS-330-11	c 33	N83-36356 *	#	US-PATENT-CLASS-330-86	c 33	N75-19518 *	#
US-PATENT-CLASS-328-63	c 35	N75-30504 *	#	US-PATENT-CLASS-330-11	c 09	N71-13531 *	#	US-PATENT-CLASS-330-86	c 33	N79-22373 *	#
US-PATENT-CLASS-328-63	c 33	N76-14371 *	#	US-PATENT-CLASS-330-11	c 10	N71-33129 *	#	US-PATENT-CLASS-330-8	c 33	N81-24338 *	#
US-PATENT-CLASS-328-63	c 33	N77-24375 *	#	US-PATENT-CLASS-330-11	c 09	N72-17156 *	#	US-PATENT-CLASS-330-94	c 10	N72-17172 *	#
US-PATENT-CLASS-328-67	c 10	N71-28960 *	#	US-PATENT-CLASS-330-124	c 07	N71-28430 *	#	US-PATENT-CLASS-330-9	c 33	N74-14939 *	#
US-PATENT-CLASS-328-67	c 33	N82-24418 *	#	US-PATENT-CLASS-330-12	c 10	N72-33230 *	#	US-PATENT-CLASS-331-DIG 1	c 36	N75-30524 *	#
US-PATENT-CLASS-328-71	c 60	N81-15706 *	#	US-PATENT-CLASS-330-13	c 10	N71-26415 *	#	US-PATENT-CLASS-331-DIG 2	c 33	N81-33405 *	#
US-PATENT-CLASS-328-92	c 10	N71-28860 *	#	US-PATENT-CLASS-330-13	c 33	N75-30428 *	#	US-PATENT-CLASS-331-1A	c 33	N74-10194 *	#
US-PATENT-CLASS-329-104	c 07	N71-11282 *	#	US-PATENT-CLASS-330-14	c 09	N70-35440 *	#	US-PATENT-CLASS-331-1A	c 33	N75-25040 *	#
US-PATENT-CLASS-329-104	c 33	N74-12887 *	#	US-PATENT-CLASS-330-14	c 33	N77-14335 *	#	US-PATENT-CLASS-331-1A	c 33	N79-11313 *	#
US-PATENT-CLASS-329-104	c 32	N77-24331 *	#	US-PATENT-CLASS-330-16	c 10	N71-33129 *	#	US-PATENT-CLASS-331-107A	c 71	N77-26919 *	#
US-PATENT-CLASS-329-107	c 35	N81-19427 *	#	US-PATENT-CLASS-330-176	c 10	N72-17171 *	#	US-PATENT-CLASS-331-107G	c 26	N72-25679 *	#
US-PATENT-CLASS-329-119	c 33	N77-21314 *	#	US-PATENT-CLASS-330-18	c 09	N72-17155 *	#	US-PATENT-CLASS-331-107G	c 09	N73-15235 *	#
US-PATENT-CLASS-329-120	c 07	N73-30113 *	#	US-PATENT-CLASS-330-18	c 33	N75-30428 *	#	US-PATENT-CLASS-331-107	c 09	N71-18721 *	#
US-PATENT-CLASS-329-122	c 10	N71-19469 *	#	US-PATENT-CLASS-330-200	c 07	N71-28430 *	#	US-PATENT-CLASS-331-107	c 26	N72-21701 *	#
US-PATENT-CLASS-329-122	c 07	N73-28012 *	#	US-PATENT-CLASS-330-207A	c 33	N75-30429 *	#	US-PATENT-CLASS-331-108A	c 33	N74-20862 *	#
US-PATENT-CLASS-329-122	c 33	N74-12887 *	#	US-PATENT-CLASS-330-20	c 09	N73-20232 *	#	US-PATENT-CLASS-331-109	c 10	N71-27271 *	#
US-PATENT-CLASS-329-122	c 32	N74-20811 *	#	US-PATENT-CLASS-330-22	c 09	N71-10798 *	#	US-PATENT-CLASS-331-109	c 33	N74-26732 *	#
US-PATENT-CLASS-329-122	c 33	N77-14334 *	#	US-PATENT-CLASS-330-22	c 09	N73-20232 *	#	US-PATENT-CLASS-331-10	c 07	N72-11150 *	#
US-PATENT-CLASS-329-122	c 32	N77-24331 *	#	US-PATENT-CLASS-330-24	c 10	N71-33129 *	#	US-PATENT-CLASS-331-111	c 10	N71-23669 *	#
US-PATENT-CLASS-329-122	c 32	N79-14267 *	#	US-PATENT-CLASS-330-24	c 33	N75-30429 *	#	US-PATENT-CLASS-331-111	c 09	N72-21247 *	#
US-PATENT-CLASS-329-122	c 33	N81-33405 *	#	US-PATENT-CLASS-330-26	c 10	N72-17172 *	#	US-PATENT-CLASS-331-113A	c 09	N72-25253 *	#
US-PATENT-CLASS-329-124	c 33	N77-14334 *	#	US-PATENT-CLASS-330-27R	c 10	N72-31273 *	#	US-PATENT-CLASS-331-113A	c 09	N72-25254 *	#
US-PATENT-CLASS-329-124	c 33	N78-32338 *	#	US-PATENT-CLASS-330-277	c 33	N84-22887 *	#	US-PATENT-CLASS-331-113A	c 33	N74-11049 *	#
US-PATENT-CLASS-329-124	c 32	N84-27952 *	#	US-PATENT-CLASS-330-282	c 33	N83-36356 *	#	US-PATENT-CLASS-331-113R	c 33	N82-18494 *	#

US-PATENT-CLASS-331-115	c 10	N72-33230 *	#	US-PATENT-CLASS-331-94 5	c 23	N71-26722 *	US-PATENT-CLASS-333-80T	c 10	N72-33230 *	#
US-PATENT-CLASS-331-115	c 33	N74-20862 *	#	US-PATENT-CLASS-331-94 5	c 15	N71-27135 *	US-PATENT-CLASS-333-80	c 09	N71-12517 *	#
US-PATENT-CLASS-331-116R	c 10	N72-33230 *	#	US-PATENT-CLASS-331-94 5	c 23	N71-29125 *	US-PATENT-CLASS-333-80	c 09	N72-21245 *	#
US-PATENT-CLASS-331-116R	c 33	N74-20862 *	#	US-PATENT-CLASS-331-94 5	c 16	N71-33410 *	US-PATENT-CLASS-333-81B	c 14	N73-13420 *	#
US-PATENT-CLASS-331-117R	c 33	N74-26732 *	#	US-PATENT-CLASS-331-94 5	c 16	N72-12440 *	US-PATENT-CLASS-333-81R	c 07	N72-25170 *	#
US-PATENT-CLASS-331-117	c 10	N71-27271 *	#	US-PATENT-CLASS-331-94 5	c 25	N72-24753 *	US-PATENT-CLASS-333-81R	c 33	N78-32340 *	#
US-PATENT-CLASS-331-117	c 09	N72-22203 *	#	US-PATENT-CLASS-331-94 5	c 16	N72-25485 *	US-PATENT-CLASS-333-81R	c 32	N80-14281 *	#
US-PATENT-CLASS-331-12	c 33	N78-32338 *	#	US-PATENT-CLASS-331-94 5	c 07	N73-26119 *	US-PATENT-CLASS-333-81	c 07	N71-29065 *	#
US-PATENT-CLASS-331-135	c 10	N73-32145 *	#	US-PATENT-CLASS-331-94 5	c 09	N73-32111 *	US-PATENT-CLASS-333-82A	c 09	N73-26195 *	#
US-PATENT-CLASS-331-14	c 09	N72-21247 *	#	US-PATENT-CLASS-331-94 5	c 16	N73-32391 *	US-PATENT-CLASS-333-82B	c 32	N77-18307 *	#
US-PATENT-CLASS-331-14	c 33	N74-10194 *	#	US-PATENT-CLASS-331-94 5	c 36	N76-18427 *	US-PATENT-CLASS-333-83BT	c 33	N75-30430 *	#
US-PATENT-CLASS-331-14	c 33	N79-11313 *	#	US-PATENT-CLASS-331-94-5G	c 36	N75-32441 *	US-PATENT-CLASS-333-83R	c 36	N74-11313 *	#
US-PATENT-CLASS-331-159	c 33	N74-20862 *	#	US-PATENT-CLASS-331-94	c 16	N70-41578 *	US-PATENT-CLASS-333-83	c 09	N71-24841 *	#
US-PATENT-CLASS-331-177R	c 09	N73-15235 *	#	US-PATENT-CLASS-331-94	c 16	N72-28521 *	US-PATENT-CLASS-333-84M	c 09	N73-26195 *	#
US-PATENT-CLASS-331-177V	c 33	N77-17351 *	#	US-PATENT-CLASS-331-94	c 16	N73-13489 *	US-PATENT-CLASS-333-8	c 07	N69-24334 *	#
US-PATENT-CLASS-331-177	c 10	N71-27271 *	#	US-PATENT-CLASS-331-94	c 35	N76-15436 *	US-PATENT-CLASS-333-95	c 07	N71-27191 *	#
US-PATENT-CLASS-331-178	c 33	N74-10194 *	#	US-PATENT-CLASS-331-94	c 36	N76-31512 *	US-PATENT-CLASS-333-96	c 09	N71-20445 *	#
US-PATENT-CLASS-331-17	c 10	N71-20852 *	#	US-PATENT-CLASS-331-94	c 36	N79-14362 *	US-PATENT-CLASS-333-96	c 07	N71-27191 *	#
US-PATENT-CLASS-331-17	c 10	N73-27171 *	#	US-PATENT-CLASS-331-94	c 36	N80-18372 *	US-PATENT-CLASS-333-97R	c 36	N74-11313 *	#
US-PATENT-CLASS-331-17	c 33	N74-10194 *	#	US-PATENT-CLASS-331-96	c 33	N85-29143 *	US-PATENT-CLASS-333-97	c 07	N69-27462 *	#
US-PATENT-CLASS-331-183	c 33	N74-26732 *	#	US-PATENT-CLASS-332-10	c 08	N71-29138 *	US-PATENT-CLASS-333-98P	c 07	N72-25170 *	#
US-PATENT-CLASS-331-18	c 10	N71-26374 *	#	US-PATENT-CLASS-332-11D	c 35	N74-17885 *	US-PATENT-CLASS-333-98P	c 09	N72-29172 *	#
US-PATENT-CLASS-331-18	c 33	N74-10194 *	#	US-PATENT-CLASS-332-18	c 33	N77-21314 *	US-PATENT-CLASS-333-98R	c 07	N72-25170 *	#
US-PATENT-CLASS-331-18	c 33	N75-25040 *	#	US-PATENT-CLASS-332-19	c 33	N77-17351 *	US-PATENT-CLASS-333-98R	c 09	N72-29172 *	#
US-PATENT-CLASS-331-23	c 09	N72-21247 *	#	US-PATENT-CLASS-332-19	c 10	N71-23544 *	US-PATENT-CLASS-333-98R	c 14	N73-13420 *	#
US-PATENT-CLASS-331-23	c 33	N77-14334 *	#	US-PATENT-CLASS-332-1	c 10	N71-23084 *	US-PATENT-CLASS-333-98R	c 33	N75-30430 *	#
US-PATENT-CLASS-331-23	c 33	N79-11313 *	#	US-PATENT-CLASS-332-2	c 08	N72-25208 *	US-PATENT-CLASS-333-98S	c 07	N72-25170 *	#
US-PATENT-CLASS-331-25	c 10	N73-27171 *	#	US-PATENT-CLASS-332-22	c 32	N77-14292 *	US-PATENT-CLASS-333-98	c 09	N71-23548 *	#
US-PATENT-CLASS-331-25	c 33	N75-25040 *	#	US-PATENT-CLASS-332-22	c 33	N81-15192 *	US-PATENT-CLASS-333-98	c 09	N71-24808 *	#
US-PATENT-CLASS-331-27	c 33	N79-11313 *	#	US-PATENT-CLASS-332-23R	c 32	N77-14292 *	US-PATENT-CLASS-333-99S	c 32	N80-32605 *	#
US-PATENT-CLASS-331-30	c 09	N72-21247 *	#	US-PATENT-CLASS-332-23R	c 33	N81-15192 *	US-PATENT-CLASS-335-100	c 37	N85-30333 *	#
US-PATENT-CLASS-331-31	c 33	N85-29143 *	#	US-PATENT-CLASS-332-29	c 07	N71-28429 *	US-PATENT-CLASS-335-205	c 09	N72-20199 *	#
US-PATENT-CLASS-331-34	c 07	N72-11150 *	#	US-PATENT-CLASS-332-2	c 35	N75-19614 *	US-PATENT-CLASS-335-216	c 16	N71-28554 *	#
US-PATENT-CLASS-331-36C	c 33	N77-14334 *	#	US-PATENT-CLASS-332-30V	c 33	N77-14334 *	US-PATENT-CLASS-335-216	c 23	N71-29049 *	#
US-PATENT-CLASS-331-36C	c 33	N85-29143 *	#	US-PATENT-CLASS-332-30V	c 33	N77-17351 *	US-PATENT-CLASS-335-216	c 26	N73-32571 *	#
US-PATENT-CLASS-331-3	c 35	N76-15436 *	#	US-PATENT-CLASS-332-30	c 10	N71-27271 *	US-PATENT-CLASS-335-216	c 20	N75-24837 *	#
US-PATENT-CLASS-331-3	c 33	N85-29143 *	#	US-PATENT-CLASS-332-30	c 07	N71-28429 *	US-PATENT-CLASS-335-216	c 33	N79-21264 *	#
US-PATENT-CLASS-331-44	c 14	N72-27408 *	#	US-PATENT-CLASS-332-30	c 33	N77-21314 *	US-PATENT-CLASS-335-222	c 35	N84-28017 *	#
US-PATENT-CLASS-331-45	c 10	N73-16206 *	#	US-PATENT-CLASS-332-31	c 08	N71-12500 *	US-PATENT-CLASS-335-229	c 33	N82-24421 *	#
US-PATENT-CLASS-331-48	c 33	N81-17349 *	#	US-PATENT-CLASS-332-31	c 26	N72-21701 *	US-PATENT-CLASS-335-256	c 33	N82-11357 *	#
US-PATENT-CLASS-331-4	c 09	N69-21543 *	#	US-PATENT-CLASS-332-47	c 33	N75-19520 *	US-PATENT-CLASS-335-266	c 33	N82-11357 *	#
US-PATENT-CLASS-331-4	c 33	N74-10194 *	#	US-PATENT-CLASS-332-51W	c 07	N72-20141 *	US-PATENT-CLASS-335-266	c 33	N82-24421 *	#
US-PATENT-CLASS-331-4	c 33	N78-32338 *	#	US-PATENT-CLASS-332-52	c 33	N77-21314 *	US-PATENT-CLASS-335-296	c 09	N73-30185 *	#
US-PATENT-CLASS-331-62	c 33	N74-11049 *	#	US-PATENT-CLASS-332-7 51	c 16	N72-25485 *	US-PATENT-CLASS-335-300	c 09	N70-41929 *	#
US-PATENT-CLASS-331-64	c 33	N78-32338 *	#	US-PATENT-CLASS-332-7 51	c 07	N73-26119 *	US-PATENT-CLASS-336-DIG 1	c 26	N73-26752 *	#
US-PATENT-CLASS-331-65	c 35	N75-29380 *	#	US-PATENT-CLASS-332-7 51	c 33	N74-20859 *	US-PATENT-CLASS-336-DIG 1	c 33	N79-17133 *	#
US-PATENT-CLASS-331-65	c 33	N80-23559 *	#	US-PATENT-CLASS-332-7 51	c 36	N76-18427 *	US-PATENT-CLASS-336-120	c 33	N82-24422 *	#
US-PATENT-CLASS-331-66	c 07	N72-11150 *	#	US-PATENT-CLASS-332-7 5	c 36	N75-15029 *	US-PATENT-CLASS-336-178	c 09	N72-17154 *	#
US-PATENT-CLASS-331-78	c 09	N71-23598 *	#	US-PATENT-CLASS-332-7 5	c 36	N78-18410 *	US-PATENT-CLASS-336-198	c 09	N72-27226 *	#
US-PATENT-CLASS-331-78	c 08	N73-12175 *	#	US-PATENT-CLASS-332-7 51	c 36	N80-16321 *	US-PATENT-CLASS-336-198	c 33	N85-29146 *	#
US-PATENT-CLASS-331-78	c 33	N75-19515 *	#	US-PATENT-CLASS-332-9R	c 08	N71-29138 *	US-PATENT-CLASS-336-200	c 26	N73-26752 *	#
US-PATENT-CLASS-331-7	c 07	N72-11150 *	#	US-PATENT-CLASS-332-9	c 07	N71-12390 *	US-PATENT-CLASS-336-210	c 33	N74-17928 *	#
US-PATENT-CLASS-331-82	c 33	N84-27974 *	#	US-PATENT-CLASS-332-9	c 33	N82-16340 *	US-PATENT-CLASS-336-220	c 09	N72-27226 *	#
US-PATENT-CLASS-331-90	c 09	N73-15235 *	#	US-PATENT-CLASS-333-104	c 32	N80-32605 *	US-PATENT-CLASS-336-60	c 09	N72-27226 *	#
US-PATENT-CLASS-331-94 1	c 33	N85-29143 *	#	US-PATENT-CLASS-333-12	c 33	N81-27397 *	US-PATENT-CLASS-336-83	c 33	N82-24422 *	#
US-PATENT-CLASS-331-94 5A	c 16	N73-33397 *	#	US-PATENT-CLASS-333-12	c 33	N74-19788 *	US-PATENT-CLASS-336-84C	c 33	N85-29146 *	#
US-PATENT-CLASS-331-94 5A	c 36	N75-27364 *	#	US-PATENT-CLASS-333-14	c 32	N74-19788 *	US-PATENT-CLASS-337-114	c 09	N71-29035 *	#
US-PATENT-CLASS-331-94 5C	c 36	N75-31427 *	#	US-PATENT-CLASS-333-162	c 33	N84-16452 *	US-PATENT-CLASS-337-121	c 09	N71-29035 *	#
US-PATENT-CLASS-331-94 5C	c 36	N76-18428 *	#	US-PATENT-CLASS-333-162	c 33	N84-27974 *	US-PATENT-CLASS-337-114	c 09	N71-29035 *	#
US-PATENT-CLASS-331-94 5C	c 36	N76-24553 *	#	US-PATENT-CLASS-333-16	c 33	N74-1927 *	US-PATENT-CLASS-337-14	c 31	N83-31897 *	#
US-PATENT-CLASS-331-94 5C	c 36	N76-29575 *	#	US-PATENT-CLASS-333-17R	c 33	N78-32340 *	US-PATENT-CLASS-337-334	c 37	N77-19458 *	#
US-PATENT-CLASS-331-94 5C	c 36	N80-14384 *	#	US-PATENT-CLASS-333-17	c 44	N74-19870 *	US-PATENT-CLASS-337-354	c 15	N72-12409 *	#
US-PATENT-CLASS-331-94 5C	c 36	N82-13415 *	#	US-PATENT-CLASS-333-18	c 33	N74-1927 *	US-PATENT-CLASS-337-359	c 15	N72-12409 *	#
US-PATENT-CLASS-331-94 5D	c 33	N74-20859 *	#	US-PATENT-CLASS-333-18	c 32	N76-21366 *	US-PATENT-CLASS-337-75	c 15	N72-12409 *	#
US-PATENT-CLASS-331-94 5D	c 36	N77-19416 *	#	US-PATENT-CLASS-333-204	c 33	N81-17348 *	US-PATENT-CLASS-337	c 25	N79-28253 *	#
US-PATENT-CLASS-331-94 5D	c 36	N77-25502 *	#	US-PATENT-CLASS-333-20	c 33	N82-24418 *	US-PATENT-CLASS-338-100	c 35	N78-17359 *	#
US-PATENT-CLASS-331-94 5D	c 35	N77-27366 *	#	US-PATENT-CLASS-333-21A	c 07	N71-33606 *	US-PATENT-CLASS-338-114	c 52	N74-27864 *	#
US-PATENT-CLASS-331-94 5D	c 36	N82-13415 *	#	US-PATENT-CLASS-333-21R	c 33	N75-30430 *	US-PATENT-CLASS-338-13	c 24	N75-30260 *	#
US-PATENT-CLASS-331-94 5G	c 36	N75-31426 *	#	US-PATENT-CLASS-333-21	c 07	N71-10676 *	US-PATENT-CLASS-338-162	c 37	N75-13265 *	#
US-PATENT-CLASS-331-94 5G	c 36	N77-19416 *	#	US-PATENT-CLASS-333-22F	c 32	N83-27085 *	US-PATENT-CLASS-338-18	c 35	N79-33449 *	#
US-PATENT-CLASS-331-94 5G	c 36	N78-17366 *	#	US-PATENT-CLASS-333-231	c 33	N85-29143 *	US-PATENT-CLASS-338-229	c 35	N77-24454 *	#
US-PATENT-CLASS-331-94 5G	c 36	N78-27402 *	#	US-PATENT-CLASS-333-24 2	c 36	N83-35350 *	US-PATENT-CLASS-338-25	c 35	N77-21393 *	#
US-PATENT-CLASS-331-94 5G	c 36	N79-18307 *	#	US-PATENT-CLASS-333-24R	c 09	N72-29172 *	US-PATENT-CLASS-338-25	c 35	N82-24470 *	#
US-PATENT-CLASS-331-94 5G	c 33	N82-24418 *	#	US-PATENT-CLASS-333-24R	c 36	N80-18372 *	US-PATENT-CLASS-338-275	c 35	N82-24470 *	#
US-PATENT-CLASS-331-94 5K	c 36	N74-15145 *	#	US-PATENT-CLASS-333-246	c 33	N82-16340 *	US-PATENT-CLASS-338-283	c 24	N75-30260 *	#
US-PATENT-CLASS-331-94 5L	c 72	N79-13826 *	#	US-PATENT-CLASS-333-252	c 32	N80-32605 *	US-PATENT-CLASS-338-28	c 35	N77-20400 *	#
US-PATENT-CLASS-331-94 5M	c 36	N75-19654 *	#	US-PATENT-CLASS-333-254	c 32	N83-27085 *	US-PATENT-CLASS-338-28	c 35	N77-24454 *	#
US-PATENT-CLASS-331-94 5PE	c 36	N75-32441 *	#	US-PATENT-CLASS-333-262	c 33	N80-18285 *	US-PATENT-CLASS-338-28	c 35	N82-24470 *	#
US-PATENT-CLASS-331-94 5PE	c 36	N77-19416 *	#	US-PATENT-CLASS-333-30	c 10	N71-25900 *	US-PATENT-CLASS-338-2	c 33	N75-31329 *	#
US-PATENT-CLASS-331-94 5PE	c 36	N78-27402 *	#	US-PATENT-CLASS-333-6	c 07	N71-33606 *	US-PATENT-CLASS-338-2	c 35	N80-20560 *	#
US-PATENT-CLASS-331-94 5PE	c 72	N79-13826 *	#	US-PATENT-CLASS-333-70CR	c 10	N72-17171 *	US-PATENT-CLASS-338-2	c 52	N80-27072 *	#
US-PATENT-CLASS-331-94 5PE	c 33	N82-24418 *	#	US-PATENT-CLASS-333-70R	c 32	N77-18307 *	US-PATENT-CLASS-338-2	c 35	N84-12443 *	#
US-PATENT-CLASS-331-94 5P	c 36	N75-19655 *	#	US-PATENT-CLASS-333-72	c 10	N71-25900 *	US-PATENT-CLASS-338-309	c 27	N84-33589 *	#
US-PATENT-CLASS-331-94 5P	c 36	N75-31426 *	#	US-PATENT-CLASS-333-72	c 71	N77-26919 *	US-PATENT-CLASS-338-325	c 33	N78-13320 *	#
US-PATENT-CLASS-331-94 5P	c 36	N77-25502 *	#	US-PATENT-CLASS-333-73R	c 09	N73-26195 *	US-PATENT-CLASS-338-320	c 33	N74-14935 *	#
US-PATENT-CLASS-331-94 5P	c 36	N78-27402 *	#	US-PATENT-CLASS-333-73S	c 09	N73-26195 *	US-PATENT-CLASS-338-36	c 35	N78-17359 *	#
US-PATENT-CLASS-331-94 5P	c 72	N79-13826 *	#	US-PATENT-CLASS-333-73W	c 07	N72-20141 *	US-PATENT-CLASS-338-5	c 32	N71-15974 *	#
US-PATENT-CLASS-331-94 5P	c 36	N79-18307 *	#	US-PATENT-CLASS-333-73	c 07	N69-24323 *	US-PATENT-CLASS-338-5	c 52	N74-27864 *	#
US-PATENT-CLASS-331-94 5P	c 36	N80-14384 *	#	US-PATENT-CLASS-333-75	c 09	N71-23573 *	US-PATENT-CLASS-338-64	c 09	N71-21583 *	#
US-PATENT-CLASS-331-94 5P	c 36	N82-13415 *	#	US-PATENT-CLASS-333-75	c 32	N77-18307 *	US-PATENT-CLASS-338-64	c 35	N76-14430 *	#
US-PATENT-CLASS-331-94 5S	c 36	N74-15145 *	#	US-PATENT-CLASS-333-76	c 32	N77-18307 *	US-PATENT-CLASS-338-6	c 52	N76-29895 *	#
US-PATENT-CLASS-331-94 5S</										

REPORT NUMBER INDEX

US-PATENT-CLASS-343-100CL

US-PATENT-CLASS-339-143C	c 33	N76-16332 *	#	US-PATENT-CLASS-340-172 5	c 07	N72-25172 *	#	US-PATENT-CLASS-340-285	c 54	N78-32720 *	#
US-PATENT-CLASS-339-143R	c 09	N72-25256 *	#	US-PATENT-CLASS-340-172 5	c 08	N72-25207 *	#	US-PATENT-CLASS-340-309 1	c 54	N78-32720 *	#
US-PATENT-CLASS-339-147R	c 09	N72-25256 *	#	US-PATENT-CLASS-340-172 5	c 09	N72-25248 *	#	US-PATENT-CLASS-340-309 1	c 33	N81-14221 *	#
US-PATENT-CLASS-339-150	c 09	N69-21470 *	#	US-PATENT-CLASS-340-172 5	c 08	N73-13187 *	#	US-PATENT-CLASS-340-310A	c 33	N81-14221 *	#
US-PATENT-CLASS-339-17M	c 37	N76-27567 *	#	US-PATENT-CLASS-340-172 5	c 08	N73-26176 *	#	US-PATENT-CLASS-340-310R	c 33	N81-14221 *	#
US-PATENT-CLASS-339-17R	c 15	N71-29133 *	#	US-PATENT-CLASS-340-172 5	c 60	N76-18800 *	#	US-PATENT-CLASS-340-324AD	c 33	N75-19517 *	#
US-PATENT-CLASS-339-176MF	c 09	N72-28225 *	#	US-PATENT-CLASS-340-172 5	c 60	N76-21914 *	#	US-PATENT-CLASS-340-324A	c 09	N72-25248 *	#
US-PATENT-CLASS-339-176M	c 15	N72-17455 *	#	US-PATENT-CLASS-340-172 5	c 60	N77-12721 *	#	US-PATENT-CLASS-340-324R	c 26	N72-25680 *	#
US-PATENT-CLASS-339-176	c 09	N70-34596 *	#	US-PATENT-CLASS-340-172 5	c 60	N77-14751 *	#	US-PATENT-CLASS-340-324	c 08	N71-12507 *	#
US-PATENT-CLASS-339-176	c 09	N70-36494 *	#	US-PATENT-CLASS-340-172 5	c 60	N77-19760 *	#	US-PATENT-CLASS-340-324	c 09	N71-33519 *	#
US-PATENT-CLASS-339-177	c 09	N71-20851 *	#	US-PATENT-CLASS-340-173 2	c 08	N72-21198 *	#	US-PATENT-CLASS-340-332	c 09	N72-25250 *	#
US-PATENT-CLASS-339-17	c 14	N69-27431 *	#	US-PATENT-CLASS-340-173CA	c 33	N75-31331 *	#	US-PATENT-CLASS-340-336	c 09	N71-33519 *	#
US-PATENT-CLASS-339-17	c 15	N71-17685 *	#	US-PATENT-CLASS-340-173CR	c 08	N74-12888 *	#	US-PATENT-CLASS-340-33	c 21	N73-13643 *	#
US-PATENT-CLASS-339-17	c 09	N71-26133 *	#	US-PATENT-CLASS-340-173LM	c 60	N74-12888 *	#	US-PATENT-CLASS-340-347AD	c 14	N71-28991 *	#
US-PATENT-CLASS-339-18C	c 37	N76-27567 *	#	US-PATENT-CLASS-340-173LM	c 60	N78-10709 *	#	US-PATENT-CLASS-340-347AD	c 08	N72-21200 *	#
US-PATENT-CLASS-339-198R	c 33	N76-16332 *	#	US-PATENT-CLASS-340-173LS	c 08	N72-21198 *	#	US-PATENT-CLASS-340-347AD	c 08	N72-22163 *	#
US-PATENT-CLASS-339-218M	c 09	N72-28225 *	#	US-PATENT-CLASS-340-173LS	c 36	N75-19652 *	#	US-PATENT-CLASS-340-347AD	c 08	N72-22166 *	#
US-PATENT-CLASS-339-242	c 33	N76-16332 *	#	US-PATENT-CLASS-340-173	c 10	N73-32144 *	#	US-PATENT-CLASS-340-347AD	c 08	N72-31226 *	#
US-PATENT-CLASS-339-252R	c 52	N77-14738 *	#	US-PATENT-CLASS-340-174 1L	c 35	N74-11283 *	#	US-PATENT-CLASS-340-347AD	c 08	N73-20217 *	#
US-PATENT-CLASS-339-258RR	c 33	N84-14423 *	#	US-PATENT-CLASS-340-174 1M	c 36	N74-13205 *	#	US-PATENT-CLASS-340-347AD	c 35	N74-17885 *	#
US-PATENT-CLASS-339-262RR	c 33	N84-14423 *	#	US-PATENT-CLASS-340-174 1M	c 35	N78-29421 *	#	US-PATENT-CLASS-340-347AD	c 35	N74-32877 *	#
US-PATENT-CLASS-339-275R	c 33	N76-16332 *	#	US-PATENT-CLASS-340-174 1M	c 35	N79-16246 *	#	US-PATENT-CLASS-340-347AD	c 33	N76-18345 *	#
US-PATENT-CLASS-339-275T	c 09	N72-20200 *	#	US-PATENT-CLASS-340-174 1R	c 21	N73-13644 *	#	US-PATENT-CLASS-340-347AD	c 60	N77-32731 *	#
US-PATENT-CLASS-339-276T	c 09	N72-20200 *	#	US-PATENT-CLASS-340-174 1	c 08	N71-21042 *	#	US-PATENT-CLASS-340-347DA	c 08	N71-27057 *	#
US-PATENT-CLASS-339-278M	c 15	N72-17455 *	#	US-PATENT-CLASS-340-174 1	c 07	N71-23001 *	#	US-PATENT-CLASS-340-347DA	c 08	N72-20176 *	#
US-PATENT-CLASS-339-3R	c 07	N83-20944 *	#	US-PATENT-CLASS-340-174 1	c 08	N71-27210 *	#	US-PATENT-CLASS-340-347DA	c 08	N72-25206 *	#
US-PATENT-CLASS-339-45M	c 15	N72-25450 *	#	US-PATENT-CLASS-340-174AG	c 23	N72-17747 *	#	US-PATENT-CLASS-340-347DA	c 08	N73-32081 *	#
US-PATENT-CLASS-339-46	c 15	N72-17455 *	#	US-PATENT-CLASS-340-174CS	c 08	N72-21199 *	#	US-PATENT-CLASS-340-347DD	c 10	N71-33407 *	#
US-PATENT-CLASS-339-5R	c 07	N83-20944 *	#	US-PATENT-CLASS-340-174CT	c 23	N72-17747 *	#	US-PATENT-CLASS-340-347DD	c 08	N72-18184 *	#
US-PATENT-CLASS-339-5	c 15	N71-23049 *	#	US-PATENT-CLASS-340-174GA	c 23	N72-17747 *	#	US-PATENT-CLASS-340-347DD	c 08	N72-20176 *	#
US-PATENT-CLASS-339-64M	c 33	N84-14423 *	#	US-PATENT-CLASS-340-174LC	c 08	N72-21199 *	#	US-PATENT-CLASS-340-347DD	c 08	N72-21197 *	#
US-PATENT-CLASS-339-75MP	c 09	N72-28225 *	#	US-PATENT-CLASS-340-174MA	c 24	N75-13032 *	#	US-PATENT-CLASS-340-347DD	c 08	N73-12176 *	#
US-PATENT-CLASS-339-91B	c 15	N72-25450 *	#	US-PATENT-CLASS-340-174M	c 08	N72-21199 *	#	US-PATENT-CLASS-340-347DD	c 60	N76-23850 *	#
US-PATENT-CLASS-339-91	c 09	N69-21927 *	#	US-PATENT-CLASS-340-174SC	c 23	N72-17747 *	#	US-PATENT-CLASS-340-347DD	c 32	N77-12239 *	#
US-PATENT-CLASS-339-94M	c 09	N72-28225 *	#	US-PATENT-CLASS-340-174SR	c 08	N72-21199 *	#	US-PATENT-CLASS-340-347DD	c 60	N78-17691 *	#
US-PATENT-CLASS-339-95	c 09	N69-39734 *	#	US-PATENT-CLASS-340-174YC	c 36	N74-13205 *	#	US-PATENT-CLASS-340-347DD	c 60	N79-20751 *	#
US-PATENT-CLASS-339-12R	c 52	N77-25772 *	#	US-PATENT-CLASS-340-174YC	c 35	N78-29421 *	#	US-PATENT-CLASS-340-347DD	c 33	N82-26570 *	#
US-PATENT-CLASS-34-155	c 14	N73-28489 *	#	US-PATENT-CLASS-340-174	c 08	N71-12504 *	#	US-PATENT-CLASS-340-347P	c 60	N76-23850 *	#
US-PATENT-CLASS-34-15	c 28	N78-24365 *	#	US-PATENT-CLASS-340-174	c 09	N71-12515 *	#	US-PATENT-CLASS-340-347P	c 35	N77-30436 *	#
US-PATENT-CLASS-34-160	c 14	N73-28489 *	#	US-PATENT-CLASS-340-174	c 08	N71-18595 *	#	US-PATENT-CLASS-340-347R	c 08	N72-22165 *	#
US-PATENT-CLASS-34-162	c 14	N73-28489 *	#	US-PATENT-CLASS-340-174	c 08	N71-18694 *	#	US-PATENT-CLASS-340-347SH	c 33	N77-31404 *	#
US-PATENT-CLASS-34-162	c 35	N74-15831 *	#	US-PATENT-CLASS-340-174	c 10	N71-23033 *	#	US-PATENT-CLASS-340-347SY	c 62	N76-31946 *	#
US-PATENT-CLASS-34-57A	c 35	N83-24828 *	#	US-PATENT-CLASS-340-174	c 10	N71-26418 *	#	US-PATENT-CLASS-340-347SY	c 35	N77-30436 *	#
US-PATENT-CLASS-340-12R	c 35	N74-16135 *	#	US-PATENT-CLASS-340-174	c 10	N71-26434 *	#	US-PATENT-CLASS-340-347	c 08	N70-35423 *	#
US-PATENT-CLASS-340-12R	c 46	N79-23555 *	#	US-PATENT-CLASS-340-174	c 08	N71-28925 *	#	US-PATENT-CLASS-340-347	c 08	N70-40125 *	#
US-PATENT-CLASS-340-146 1AL	c 08	N72-25210 *	#	US-PATENT-CLASS-340-174	c 10	N71-29135 *	#	US-PATENT-CLASS-340-347	c 08	N71-12501 *	#
US-PATENT-CLASS-340-146 1AL	c 08	N73-12175 *	#	US-PATENT-CLASS-340-177VA	c 06	N80-18036 *	#	US-PATENT-CLASS-340-347	c 08	N71-18594 *	#
US-PATENT-CLASS-340-146 1AL	c 32	N77-12240 *	#	US-PATENT-CLASS-340-177	c 09	N72-17153 *	#	US-PATENT-CLASS-340-347	c 08	N71-19435 *	#
US-PATENT-CLASS-340-146 1AQ	c 08	N73-12177 *	#	US-PATENT-CLASS-340-182	c 33	N74-27862 *	#	US-PATENT-CLASS-340-347	c 08	N71-19544 *	#
US-PATENT-CLASS-340-146 1AQ	c 32	N74-32598 *	#	US-PATENT-CLASS-340-183	c 52	N74-26625 *	#	US-PATENT-CLASS-340-347	c 08	N71-19687 *	#
US-PATENT-CLASS-340-146 1AQ	c 32	N77-12240 *	#	US-PATENT-CLASS-340-189M	c 17	N76-29347 *	#	US-PATENT-CLASS-340-347	c 08	N71-24650 *	#
US-PATENT-CLASS-340-146 1AV	c 08	N73-12177 *	#	US-PATENT-CLASS-340-198	c 14	N70-33179 *	#	US-PATENT-CLASS-340-347	c 10	N71-25914 *	#
US-PATENT-CLASS-340-146 1AV	c 32	N77-12240 *	#	US-PATENT-CLASS-340-198	c 07	N71-11298 *	#	US-PATENT-CLASS-340-347	c 10	N71-26544 *	#
US-PATENT-CLASS-340-146 1AX	c 32	N79-10263 *	#	US-PATENT-CLASS-340-200	c 33	N74-27862 *	#	US-PATENT-CLASS-340-347	c 08	N73-28045 *	#
US-PATENT-CLASS-340-146 1C	c 07	N73-20176 *	#	US-PATENT-CLASS-340-200	c 33	N77-31404 *	#	US-PATENT-CLASS-340-348	c 08	N72-22167 *	#
US-PATENT-CLASS-340-146 1E	c 32	N79-10263 *	#	US-PATENT-CLASS-340-203	c 09	N72-22202 *	#	US-PATENT-CLASS-340-38P	c 66	N76-19888 *	#
US-PATENT-CLASS-340-146 1	c 09	N71-18843 *	#	US-PATENT-CLASS-340-203	c 52	N74-26625 *	#	US-PATENT-CLASS-340-403	c 10	N71-27272 *	#
US-PATENT-CLASS-340-146 1	c 08	N71-22749 *	#	US-PATENT-CLASS-340-206	c 17	N76-29347 *	#	US-PATENT-CLASS-340-407	c 71	N74-21014 *	#
US-PATENT-CLASS-340-146 1	c 10	N71-26103 *	#	US-PATENT-CLASS-340-207P	c 17	N76-22245 *	#	US-PATENT-CLASS-340-412	c 10	N71-24798 *	#
US-PATENT-CLASS-340-146 1	c 08	N71-27255 *	#	US-PATENT-CLASS-340-207R	c 52	N74-26625 *	#	US-PATENT-CLASS-340-415	c 10	N73-32144 *	#
US-PATENT-CLASS-340-146 1	c 08	N72-22167 *	#	US-PATENT-CLASS-340-207	c 07	N73-25160 *	#	US-PATENT-CLASS-340-418	c 14	N73-16484 *	#
US-PATENT-CLASS-340-146 1	c 08	N72-25207 *	#	US-PATENT-CLASS-340-210	c 03	N72-20031 *	#	US-PATENT-CLASS-340-5C	c 14	N73-27379 *	#
US-PATENT-CLASS-340-146 1	c 07	N73-13149 *	#	US-PATENT-CLASS-340-213 1	c 10	N71-19417 *	#	US-PATENT-CLASS-340-5H	c 32	N77-21267 *	#
US-PATENT-CLASS-340-146 2	c 08	N71-12505 *	#	US-PATENT-CLASS-340-213R	c 54	N78-32720 *	#	US-PATENT-CLASS-340-5R	c 35	N74-16135 *	#
US-PATENT-CLASS-340-146 2	c 08	N71-23295 *	#	US-PATENT-CLASS-340-213	c 10	N71-27272 *	#	US-PATENT-CLASS-340-518	c 35	N83-34272 *	#
US-PATENT-CLASS-340-146 3H	c 74	N81-19896 *	#	US-PATENT-CLASS-340-223	c 10	N73-32144 *	#	US-PATENT-CLASS-340-555	c 74	N85-22139 *	#
US-PATENT-CLASS-340-146 3P	c 43	N77-10584 *	#	US-PATENT-CLASS-340-224	c 37	N77-19458 *	#	US-PATENT-CLASS-340-566	c 35	N83-34272 *	#
US-PATENT-CLASS-340-146 3Q	c 43	N77-10584 *	#	US-PATENT-CLASS-340-227R	c 14	N72-25412 *	#	US-PATENT-CLASS-340-57	c 14	N71-15620 *	#
US-PATENT-CLASS-340-146 3S	c 74	N81-19896 *	#	US-PATENT-CLASS-340-227	c 10	N71-16058 *	#	US-PATENT-CLASS-340-602	c 33	N80-23559 *	#
US-PATENT-CLASS-340-146 3Y	c 74	N81-19896 *	#	US-PATENT-CLASS-340-227	c 14	N71-27186 *	#	US-PATENT-CLASS-340-604	c 33	N80-23559 *	#
US-PATENT-CLASS-340-147C	c 60	N76-14818 *	#	US-PATENT-CLASS-340-228 2	c 10	N72-17173 *	#	US-PATENT-CLASS-340-650	c 33	N79-18193 *	#
US-PATENT-CLASS-340-147R	c 07	N73-20176 *	#	US-PATENT-CLASS-340-228S	c 14	N73-16484 *	#	US-PATENT-CLASS-340-664	c 33	N79-18193 *	#
US-PATENT-CLASS-340-147R	c 60	N76-14818 *	#	US-PATENT-CLASS-340-233	c 14	N71-25901 *	#	US-PATENT-CLASS-340-705	c 06	N84-27733 *	#
US-PATENT-CLASS-340-147SY	c 17	N76-22245 *	#	US-PATENT-CLASS-340-235	c 10	N71-26334 *	#	US-PATENT-CLASS-340-8LF	c 71	N79-23753 *	#
US-PATENT-CLASS-340-147	c 09	N70-33182 *	#	US-PATENT-CLASS-340-237S	c 45	N76-17656 *	#	US-PATENT-CLASS-340-8R	c 35	N74-16135 *	#
US-PATENT-CLASS-340-147	c 09	N70-38998 *	#	US-PATENT-CLASS-340-240	c 09	N72-27227 *	#	US-PATENT-CLASS-340-825 21	c 60	N84-28492 *	#
US-PATENT-CLASS-340-15 5GC	c 14	N73-26432 *	#	US-PATENT-CLASS-340-242	c 35	N75-19612 *	#	US-PATENT-CLASS-340-825 5	c 60	N84-28492 *	#
US-PATENT-CLASS-340-150	c 10	N71-27272 *	#	US-PATENT-CLASS-340-248	c 10	N71-27338 *	#	US-PATENT-CLASS-340-825 89	c 33	N82-29538 *	#
US-PATENT-CLASS-340-151	c 33	N74-27862 *	#	US-PATENT-CLASS-3							

US-PATENT-CLASS-343-100CL	c 32	N83-19968	*	US-PATENT-CLASS-343-18B	c 32	N77-21267	*	US-PATENT-CLASS-343-768	c 10	N71-26142	*
US-PATENT-CLASS-343-100ME	c 14	N72-28437	*	US-PATENT-CLASS-343-18B	c 43	N80-18498	*	US-PATENT-CLASS-343-769	c 32	N74-20864	*
US-PATENT-CLASS-343-100ME	c 14	N73-26432	*	US-PATENT-CLASS-343-18D	c 43	N80-18498	*	US-PATENT-CLASS-343-770	c 09	N72-25247	*
US-PATENT-CLASS-343-100ME	c 46	N80-14603	*	US-PATENT-CLASS-343-18E	c 31	N70-37991	*	US-PATENT-CLASS-343-770	c 33	N76-14372	*
US-PATENT-CLASS-343-100ME	c 35	N80-18359	*	US-PATENT-CLASS-343-18	c 07	N70-40063	*	US-PATENT-CLASS-343-771	c 07	N71-28809	*
US-PATENT-CLASS-343-100ME	c 46	N82-12685	*	US-PATENT-CLASS-343-18	c 30	N70-40309	*	US-PATENT-CLASS-343-771	c 07	N72-11148	*
US-PATENT-CLASS-343-100ME	c 06	N83-10040	*	US-PATENT-CLASS-343-18	c 07	N70-41678	*	US-PATENT-CLASS-343-771	c 09	N72-21244	*
US-PATENT-CLASS-343-100PE	c 32	N75-24982	*	US-PATENT-CLASS-343-200	c 07	N73-16121	*	US-PATENT-CLASS-343-771	c 07	N72-22127	*
US-PATENT-CLASS-343-100PE	c 33	N81-26358	*	US-PATENT-CLASS-343-204	c 07	N73-26118	*	US-PATENT-CLASS-343-771	c 09	N72-25247	*
US-PATENT-CLASS-343-100PE	c 46	N82-12685	*	US-PATENT-CLASS-343-225	c 17	N78-17140	*	US-PATENT-CLASS-343-771	c 09	N73-31235	*
US-PATENT-CLASS-343-100PE	c 35	N82-15381	*	US-PATENT-CLASS-343-252	c 43	N85-21723	*	US-PATENT-CLASS-343-772	c 07	N72-20141	*
US-PATENT-CLASS-343-100R	c 10	N73-16206	*	US-PATENT-CLASS-343-352	c 46	N85-21846	*	US-PATENT-CLASS-343-772	c 32	N81-25278	*
US-PATENT-CLASS-343-100R	c 33	N80-18287	*	US-PATENT-CLASS-343-356	c 04	N84-22546	*	US-PATENT-CLASS-343-773	c 07	N72-20141	*
US-PATENT-CLASS-343-100SA	c 10	N73-16206	*	US-PATENT-CLASS-343-357	c 04	N84-22546	*	US-PATENT-CLASS-343-776	c 07	N71-12396	*
US-PATENT-CLASS-343-100SA	c 33	N74-20860	*	US-PATENT-CLASS-343-376	c 33	N85-21493	*	US-PATENT-CLASS-343-777	c 07	N71-27233	*
US-PATENT-CLASS-343-100SA	c 17	N76-21250	*	US-PATENT-CLASS-343-460	c 46	N85-21846	*	US-PATENT-CLASS-343-777	c 07	N72-25174	*
US-PATENT-CLASS-343-100SA	c 32	N80-28578	*	US-PATENT-CLASS-343-5-CM	c 32	N84-34651	*	US-PATENT-CLASS-343-779	c 07	N71-11285	*
US-PATENT-CLASS-343-100ST	c 07	N72-21118	*	US-PATENT-CLASS-343-5-CM	c 32	N85-34327	*	US-PATENT-CLASS-343-779	c 10	N72-22235	*
US-PATENT-CLASS-343-100ST	c 33	N74-20860	*	US-PATENT-CLASS-343-5-DP	c 32	N84-34651	*	US-PATENT-CLASS-343-779	c 07	N72-25174	*
US-PATENT-CLASS-343-100ST	c 32	N75-15854	*	US-PATENT-CLASS-343-5-FT	c 32	N84-34651	*	US-PATENT-CLASS-343-779	c 32	N76-15329	*
US-PATENT-CLASS-343-100ST	c 17	N76-21250	*	US-PATENT-CLASS-343-5-W	c 32	N85-34327	*	US-PATENT-CLASS-343-779	c 33	N76-27472	*
US-PATENT-CLASS-343-100ST	c 32	N77-20289	*	US-PATENT-CLASS-343-5CM	c 07	N72-21118	*	US-PATENT-CLASS-343-781CA	c 32	N78-31321	*
US-PATENT-CLASS-343-100ST	c 33	N80-18287	*	US-PATENT-CLASS-343-5CM	c 32	N77-21267	*	US-PATENT-CLASS-343-781P	c 46	N82-12685	*
US-PATENT-CLASS-343-100TD	c 32	N79-24210	*	US-PATENT-CLASS-343-5CM	c 32	N77-32342	*	US-PATENT-CLASS-343-781R	c 32	N81-25278	*
US-PATENT-CLASS-343-100TD	c 32	N81-14185	*	US-PATENT-CLASS-343-5CM	c 35	N79-10391	*	US-PATENT-CLASS-343-781	c 09	N70-35219	*
US-PATENT-CLASS-343-100	c 10	N71-18722	*	US-PATENT-CLASS-343-5CM	c 32	N79-14268	*	US-PATENT-CLASS-343-781	c 09	N70-35382	*
US-PATENT-CLASS-343-100	c 07	N71-19854	*	US-PATENT-CLASS-343-5CM	c 43	N80-18498	*	US-PATENT-CLASS-343-781	c 09	N70-35425	*
US-PATENT-CLASS-343-100	c 30	N71-23723	*	US-PATENT-CLASS-343-5W	c 32	N82-12297	*	US-PATENT-CLASS-343-781	c 07	N72-32169	*
US-PATENT-CLASS-343-100	c 07	N71-24621	*	US-PATENT-CLASS-343-5CM	c 32	N83-18975	*	US-PATENT-CLASS-343-781	c 32	N74-11000	*
US-PATENT-CLASS-343-100	c 09	N71-24804	*	US-PATENT-CLASS-343-5CM	c 32	N83-19968	*	US-PATENT-CLASS-343-781	c 33	N75-19516	*
US-PATENT-CLASS-343-100	c 31	N71-24813	*	US-PATENT-CLASS-343-5CM	c 32	N83-19198	*	US-PATENT-CLASS-343-781	c 32	N76-21365	*
US-PATENT-CLASS-343-100	c 07	N71-27056	*	US-PATENT-CLASS-343-5DP	c 07	N72-11149	*	US-PATENT-CLASS-343-782	c 07	N73-14130	*
US-PATENT-CLASS-343-100	c 07	N71-28900	*	US-PATENT-CLASS-343-5DP	c 09	N73-12211	*	US-PATENT-CLASS-343-782	c 32	N78-31321	*
US-PATENT-CLASS-343-105R	c 32	N75-26194	*	US-PATENT-CLASS-343-5DP	c 32	N77-32342	*	US-PATENT-CLASS-343-784	c 07	N71-28980	*
US-PATENT-CLASS-343-105R	c 04	N84-27713	*	US-PATENT-CLASS-343-5DP	c 32	N82-23376	*	US-PATENT-CLASS-343-786	c 07	N71-15907	*
US-PATENT-CLASS-343-108R	c 04	N74-13420	*	US-PATENT-CLASS-343-5GC	c 32	N75-24982	*	US-PATENT-CLASS-343-786	c 07	N71-22750	*
US-PATENT-CLASS-343-10	c 32	N77-32342	*	US-PATENT-CLASS-343-5MM	c 32	N77-21267	*	US-PATENT-CLASS-343-786	c 07	N71-26101	*
US-PATENT-CLASS-343-11R	c 09	N73-12211	*	US-PATENT-CLASS-343-5NA	c 31	N79-28370	*	US-PATENT-CLASS-343-786	c 07	N71-27233	*
US-PATENT-CLASS-343-11VB	c 09	N73-12211	*	US-PATENT-CLASS-343-5W	c 35	N79-10391	*	US-PATENT-CLASS-343-786	c 10	N72-20214	*
US-PATENT-CLASS-343-112CA	c 21	N73-13643	*	US-PATENT-CLASS-343-5W	c 43	N80-18498	*	US-PATENT-CLASS-343-786	c 07	N72-22235	*
US-PATENT-CLASS-343-112CA	c 21	N73-30641	*	US-PATENT-CLASS-343-5W	c 46	N85-21846	*	US-PATENT-CLASS-343-786	c 07	N72-25174	*
US-PATENT-CLASS-343-112CA	c 03	N75-30132	*	US-PATENT-CLASS-343-6 BR	c 32	N77-20289	*	US-PATENT-CLASS-343-786	c 09	N72-31235	*
US-PATENT-CLASS-343-112D	c 14	N72-28437	*	US-PATENT-CLASS-343-6 5R	c 07	N72-12080	*	US-PATENT-CLASS-343-786	c 32	N74-20863	*
US-PATENT-CLASS-343-112D	c 32	N75-26194	*	US-PATENT-CLASS-343-6 5R	c 07	N72-21118	*	US-PATENT-CLASS-343-786	c 32	N76-15330	*
US-PATENT-CLASS-343-112D	c 46	N80-14603	*	US-PATENT-CLASS-343-6 5R	c 07	N72-25171	*	US-PATENT-CLASS-343-786	c 32	N76-21365	*
US-PATENT-CLASS-343-112R	c 09	N73-32110	*	US-PATENT-CLASS-343-6 5R	c 08	N72-25209	*	US-PATENT-CLASS-343-786	c 32	N80-29524	*
US-PATENT-CLASS-343-112R	c 17	N78-17140	*	US-PATENT-CLASS-343-6 5R	c 07	N73-25161	*	US-PATENT-CLASS-343-786	c 32	N80-29539	*
US-PATENT-CLASS-343-112R	c 04	N80-32359	*	US-PATENT-CLASS-343-6 5R	c 21	N73-30641	*	US-PATENT-CLASS-343-786	c 32	N81-25278	*
US-PATENT-CLASS-343-112R	c 32	N81-27341	*	US-PATENT-CLASS-343-6 5R	c 32	N74-12912	*	US-PATENT-CLASS-343-789	c 32	N81-14187	*
US-PATENT-CLASS-343-112TC	c 17	N76-21250	*	US-PATENT-CLASS-343-6 5R	c 32	N75-15854	*	US-PATENT-CLASS-343-789	c 32	N82-27558	*
US-PATENT-CLASS-343-112	c 21	N71-13958	*	US-PATENT-CLASS-343-6 5R	c 03	N75-30132	*	US-PATENT-CLASS-343-795	c 32	N82-11336	*
US-PATENT-CLASS-343-112	c 02	N71-19287	*	US-PATENT-CLASS-343-6 5R	c 32	N77-20289	*	US-PATENT-CLASS-343-797	c 09	N71-24842	*
US-PATENT-CLASS-343-112	c 21	N71-24948	*	US-PATENT-CLASS-343-6 5SS	c 32	N74-12912	*	US-PATENT-CLASS-343-797	c 07	N72-22127	*
US-PATENT-CLASS-343-113R	c 09	N73-32110	*	US-PATENT-CLASS-343-6 5	c 21	N71-11766	*	US-PATENT-CLASS-343-797	c 09	N72-31235	*
US-PATENT-CLASS-343-113R	c 44	N78-28594	*	US-PATENT-CLASS-343-6 5	c 10	N71-23099	*	US-PATENT-CLASS-343-797	c 07	N73-28013	*
US-PATENT-CLASS-343-113	c 10	N71-21473	*	US-PATENT-CLASS-343-6 8R	c 07	N72-12080	*	US-PATENT-CLASS-343-797	c 32	N74-20863	*
US-PATENT-CLASS-343-113	c 07	N71-24625	*	US-PATENT-CLASS-343-6 8R	c 07	N73-25161	*	US-PATENT-CLASS-343-797	c 33	N76-14372	*
US-PATENT-CLASS-343-117R	c 32	N79-13214	*	US-PATENT-CLASS-343-6 8R	c 14	N73-25461	*	US-PATENT-CLASS-343-797	c 32	N81-14187	*
US-PATENT-CLASS-343-117R	c 07	N71-27056	*	US-PATENT-CLASS-343-6R	c 32	N79-10264	*	US-PATENT-CLASS-343-799	c 07	N71-27233	*
US-PATENT-CLASS-343-118	c 32	N79-13214	*	US-PATENT-CLASS-343-6	c 30	N71-16090	*	US-PATENT-CLASS-343-803	c 07	N73-28013	*
US-PATENT-CLASS-343-119	c 44	N78-28594	*	US-PATENT-CLASS-343-7 4	c 10	N72-22235	*	US-PATENT-CLASS-343-823	c 07	N71-28979	*
US-PATENT-CLASS-343-12R	c 08	N72-25209	*	US-PATENT-CLASS-343-7 4	c 32	N79-13214	*	US-PATENT-CLASS-343-830	c 32	N80-32604	*
US-PATENT-CLASS-343-12	c 21	N70-41930	*	US-PATENT-CLASS-343-7 5	c 07	N69-39974	*	US-PATENT-CLASS-343-833	c 31	N70-34135	*
US-PATENT-CLASS-343-12	c 10	N72-20224	*	US-PATENT-CLASS-343-7 5	c 09	N71-24959	*	US-PATENT-CLASS-343-837	c 07	N72-32169	*
US-PATENT-CLASS-343-13-R	c 74	N85-34629	*	US-PATENT-CLASS-343-7 5	c 07	N72-11149	*	US-PATENT-CLASS-343-837	c 07	N73-14130	*
US-PATENT-CLASS-343-13	c 09	N71-18598	*	US-PATENT-CLASS-343-7 5	c 44	N74-19870	*	US-PATENT-CLASS-343-837	c 33	N75-19516	*
US-PATENT-CLASS-343-14	c 07	N70-41680	*	US-PATENT-CLASS-343-7 5	c 32	N82-23376	*	US-PATENT-CLASS-343-837	c 32	N76-15329	*
US-PATENT-CLASS-343-14	c 08	N72-25209	*	US-PATENT-CLASS-343-700MS	c 32	N78-24391	*	US-PATENT-CLASS-343-837	c 32	N76-18295	*
US-PATENT-CLASS-343-14	c 14	N73-25461	*	US-PATENT-CLASS-343-700MS	c 32	N80-32604	*	US-PATENT-CLASS-343-837	c 32	N78-31321	*
US-PATENT-CLASS-343-14	c 32	N79-14267	*	US-PATENT-CLASS-343-700MS	c 32	N82-11336	*	US-PATENT-CLASS-343-839	c 09	N73-19234	*
US-PATENT-CLASS-343-14	c 31	N79-28370	*	US-PATENT-CLASS-343-703	c 09	N71-13521	*	US-PATENT-CLASS-343-840	c 07	N71-27233	*
US-PATENT-CLASS-343-16M	c 10	N72-22235	*	US-PATENT-CLASS-343-703	c 07	N71-24614	*	US-PATENT-CLASS-343-840	c 09	N72-12136	*
US-PATENT-CLASS-343-16M	c 44	N78-28594	*	US-PATENT-CLASS-343-705	c 07	N70-38200	*	US-PATENT-CLASS-343-840	c 07	N72-32169	*
US-PATENT-CLASS-343-16	c 09	N71-20864	*	US-PATENT-CLASS-343-705	c 07	N70-40202	*	US-PATENT-CLASS-343-840	c 32	N76-18295	*
US-PATENT-CLASS-343-16	c 10	N71-21483	*	US-PATENT-CLASS-343-705	c 31	N71-10747	*	US-PATENT-CLASS-343-844	c 33	N83-36355	*
US-PATENT-CLASS-343-17 1PF	c 32	N82-23376	*	US-PATENT-CLASS-343-705	c 03	N76-32140	*	US-PATENT-CLASS-343-844	c 32	N79-11264	*
US-PATENT-CLASS-343-17 2-PC	c 32	N85-34327	*	US-PATENT-CLASS-343-706	c 07	N72-21117	*	US-PATENT-CLASS-343-844	c 33	N80-28578	*
US-PATENT-CLASS-343-17 2PC	c 35	N79-10391	*	US-PATENT-CLASS-343-708	c 09	N71-22888	*	US-PATENT-CLASS-343-846	c 32	N76-14372	*
US-PATENT-CLASS-343-17 2	c 07	N70-36911	*	US-PATENT-CLASS-343-708	c 07	N71-22984	*	US-PATENT-CLASS-343-846	c 32	N82-11336	*
US-PATENT-CLASS-343-17 5	c 14	N73-25461	*	US-PATENT-CLASS-343-708	c 07	N71-28980	*	US-PATENT-CLASS-343-853	c 07	N72-11148	*
US-PATENT-CLASS-343-17 5	c 32	N75-15854	*	US-PATENT-CLASS-343-708	c 09	N72-25247	*	US-PATENT-CLASS-343-853	c 07	N72-22127	*
US-PATENT-CLASS-343-17 5	c 32	N84-22820	*	US-PATENT-CLASS-343-708	c 32	N74-20864	*	US-PATENT-CLASS-343-853	c 07	N72-25174	*
US-PATENT-CLASS-343-17 7	c 07	N71-12391	*	US-PATENT-CLASS-343-708	c 32	N82-11336	*	US-PATENT-CLASS-343-853	c 09	N72-31235	*
US-PATENT-CLASS-343-17 7	c 44	N74-19870	*	US-PATENT-CLASS-343-718	c 09	N71-18720	*	US-PATENT-CLASS-343-853	c 10	N73-16206	*
US-PATENT-CLASS-343-17 7	c 32	N77-31350	*	US-PATENT-CLASS-343-720	c 09	N72-12136	*	US-PATENT-CLASS-343-853	c 32	N74-20863	*
US-PATENT-CLASS-343-17 7	c 32	N79-11265	*	US-PATENT-CLASS-343-725	c 07	N73-28013	*	US-PATENT-CLASS-343-853	c 32	N74-20864	*
US-PATENT-CLASS-343-17 7	c 32	N84-27951	*	US-PATENT-CLASS-343-727	c 32	N81-14187	*	US-PATENT-CLASS-343-854	c 07	N69-27460	*
US-PATENT-CLASS-343-17 7	c 33	N85-21493	*	US-PATENT-CLASS-343-727	c 32	N82-11336	*	US-PATENT-CLASS-343-854	c 07	N71-27233	*
US-PATENT-CLASS-343-176	c 07	N71-27056	*	US-PATENT-CLASS-343-729	c 07	N73-28013	*	US-PATENT-CLASS-343-854	c 09	N73-19234	*
US-PATENT-CLASS-343-176											

US-PATENT-CLASS-343-876	c 32	N76-15329 *	#	US-PATENT-CLASS-350-161	c 36	N75-31427 *	#	US-PATENT-CLASS-350-3 5	c 35	N74-15146 *	#
US-PATENT-CLASS-343-876	c 32	N85-29118 *	#	US-PATENT-CLASS-350-162R	c 74	N80-21140 *	#	US-PATENT-CLASS-350-3 5	c 35	N74-17153 *	#
US-PATENT-CLASS-343-880	c 07	N73-26117 *	#	US-PATENT-CLASS-350-162SF	c 23	N73-30666 *	#	US-PATENT-CLASS-350-3 5	c 35	N74-26946 *	#
US-PATENT-CLASS-343-880	c 18	N80-14183 *	#	US-PATENT-CLASS-350-162SF	c 74	N76-31998 *	#	US-PATENT-CLASS-350-3 5	c 35	N75-25124 *	#
US-PATENT-CLASS-343-882	c 33	N76-32457 *	#	US-PATENT-CLASS-350-162SF	c 74	N77-28932 *	#	US-PATENT-CLASS-350-3 5	c 35	N75-27328 *	#
US-PATENT-CLASS-343-883	c 07	N73-26117 *	#	US-PATENT-CLASS-350-162SF	c 36	N77-32478 *	#	US-PATENT-CLASS-350-3 5	c 35	N76-18402 *	#
US-PATENT-CLASS-343-883	c 18	N80-14183 *	#	US-PATENT-CLASS-350-162	c 14	N72-17323 *	#	US-PATENT-CLASS-350-3 5	c 35	N78-17357 *	#
US-PATENT-CLASS-343-884	c 07	N71-27191 *	#	US-PATENT-CLASS-350-165	c 27	N78-31233 *	#	US-PATENT-CLASS-350-3 5	c 38	N78-32447 *	#
US-PATENT-CLASS-343-889	c 07	N73-26117 *	#	US-PATENT-CLASS-350-166	c 44	N83-34448 *	#	US-PATENT-CLASS-350-310	c 74	N81-17886 *	#
US-PATENT-CLASS-343-889	c 09	N72-21244 *	#	US-PATENT-CLASS-350-168	c 74	N85-23396 *	#	US-PATENT-CLASS-350-310	c 11	N69-24321 *	#
US-PATENT-CLASS-343-893	c 07	N73-28013 *	#	US-PATENT-CLASS-350-16	c 14	N72-22444 *	#	US-PATENT-CLASS-350-310	c 23	N71-24868 *	#
US-PATENT-CLASS-343-895	c 09	N73-19234 *	#	US-PATENT-CLASS-350-170	c 73	N78-32848 *	#	US-PATENT-CLASS-350-310	c 23	N71-29123 *	#
US-PATENT-CLASS-343-895	c 07	N73-26117 *	#	US-PATENT-CLASS-350-171	c 74	N83-10900 *	#	US-PATENT-CLASS-350-310	c 23	N71-33229 *	#
US-PATENT-CLASS-343-895	c 32	N80-23524 *	#	US-PATENT-CLASS-350-171	c 23	N72-23695 *	#	US-PATENT-CLASS-350-310	c 23	N72-22673 *	#
US-PATENT-CLASS-343-895	c 32	N82-27558 *	#	US-PATENT-CLASS-350-171	c 74	N83-17305 *	#	US-PATENT-CLASS-350-310	c 74	N77-28933 *	#
US-PATENT-CLASS-343-9PS	c 32	N83-19968 *	#	US-PATENT-CLASS-350-172	c 74	N84-23248 *	#	US-PATENT-CLASS-350-311	c 74	N75-25706 *	#
US-PATENT-CLASS-343-9PS	c 32	N83-31918 *	#	US-PATENT-CLASS-350-173	c 73	N78-32848 *	#	US-PATENT-CLASS-350-312	c 16	N72-12440 *	#
US-PATENT-CLASS-343-9R	c 32	N84-22820 *	#	US-PATENT-CLASS-350-173	c 74	N83-36898 *	#	US-PATENT-CLASS-350-312	c 74	N85-29750 *	#
US-PATENT-CLASS-343-909	c 32	N74-11000 *	#	US-PATENT-CLASS-350-173	c 74	N84-23248 *	#	US-PATENT-CLASS-350-316	c 27	N83-36220 *	#
US-PATENT-CLASS-343-909	c 35	N76-15435 *	#	US-PATENT-CLASS-350-174	c 74	N77-20882 *	#	US-PATENT-CLASS-350-319	c 74	N85-29750 *	#
US-PATENT-CLASS-343-909	c 33	N79-28416 *	#	US-PATENT-CLASS-350-174	c 73	N78-32848 *	#	US-PATENT-CLASS-350-320	c 74	N77-28933 *	#
US-PATENT-CLASS-343-909	c 32	N80-14281 *	#	US-PATENT-CLASS-350-175E	c 74	N80-27185 *	#	US-PATENT-CLASS-350-320	c 44	N71-32583 *	#
US-PATENT-CLASS-343-912	c 07	N72-21117 *	#	US-PATENT-CLASS-350-175FS	c 14	N72-25414 *	#	US-PATENT-CLASS-350-320	c 74	N78-32848 *	#
US-PATENT-CLASS-343-912	c 07	N72-22127 *	#	US-PATENT-CLASS-350-175NG	c 27	N71-31233 *	#	US-PATENT-CLASS-350-320	c 43	N79-14529 *	#
US-PATENT-CLASS-343-912	c 32	N76-18295 *	#	US-PATENT-CLASS-350-189	c 23	N71-24857 *	#	US-PATENT-CLASS-350-320	c 74	N85-29749 *	#
US-PATENT-CLASS-343-915	c 31	N71-16102 *	#	US-PATENT-CLASS-350-199	c 14	N73-30393 *	#	US-PATENT-CLASS-350-321	c 74	N85-29750 *	#
US-PATENT-CLASS-343-915	c 09	N71-20658 *	#	US-PATENT-CLASS-350-19	c 14	N72-22441 *	#	US-PATENT-CLASS-350-342	c 76	N85-33826 *	#
US-PATENT-CLASS-343-915	c 07	N72-32169 *	#	US-PATENT-CLASS-350-1	c 23	N69-24332 *	#	US-PATENT-CLASS-350-353	c 74	N83-19597 *	#
US-PATENT-CLASS-343-915	c 07	N73-14130 *	#	US-PATENT-CLASS-350-1	c 07	N71-29065 *	#	US-PATENT-CLASS-350-358	c 36	N82-29589 *	#
US-PATENT-CLASS-343-915	c 07	N73-24176 *	#	US-PATENT-CLASS-350-1	c 16	N72-12440 *	#	US-PATENT-CLASS-350-359	c 36	N80-16321 *	#
US-PATENT-CLASS-343-915	c 32	N76-18295 *	#	US-PATENT-CLASS-350-1	c 24	N76-24363 *	#	US-PATENT-CLASS-350-35	c 14	N72-22441 *	#
US-PATENT-CLASS-343-915	c 33	N76-32457 *	#	US-PATENT-CLASS-350-202	c 74	N78-15879 *	#	US-PATENT-CLASS-350-36	c 14	N72-22441 *	#
US-PATENT-CLASS-343-9	c 32	N75-15854 *	#	US-PATENT-CLASS-350-202	c 23	N73-20741 *	#	US-PATENT-CLASS-350-370	c 35	N81-33448 *	#
US-PATENT-CLASS-343-9	c 32	N79-10264 *	#	US-PATENT-CLASS-350-203	c 74	N77-28932 *	#	US-PATENT-CLASS-350-443	c 74	N84-23248 *	#
US-PATENT-CLASS-346-107A	c 14	N72-18411 *	#	US-PATENT-CLASS-350-204	c 14	N72-25409 *	#	US-PATENT-CLASS-350-445	c 74	N83-36898 *	#
US-PATENT-CLASS-346-107A	c 23	N71-23976 *	#	US-PATENT-CLASS-350-204	c 14	N73-30393 *	#	US-PATENT-CLASS-350-453	c 36	N82-32712 *	#
US-PATENT-CLASS-346-108	c 35	N74-15831 *	#	US-PATENT-CLASS-350-204	c 74	N78-17866 *	#	US-PATENT-CLASS-350-486	c 74	N83-13978 *	#
US-PATENT-CLASS-346-110	c 14	N73-32322 *	#	US-PATENT-CLASS-350-211	c 44	N76-14602 *	#	US-PATENT-CLASS-350-49	c 14	N72-22441 *	#
US-PATENT-CLASS-346-138	c 21	N73-13644 *	#	US-PATENT-CLASS-350-213	c 14	N71-15622 *	#	US-PATENT-CLASS-350-505	c 74	N85-23396 *	#
US-PATENT-CLASS-346-138	c 35	N74-15831 *	#	US-PATENT-CLASS-350-226	c 74	N80-27185 *	#	US-PATENT-CLASS-350-52	c 14	N72-22441 *	#
US-PATENT-CLASS-346-1	c 12	N71-20815 *	#	US-PATENT-CLASS-350-236	c 74	N74-15095 *	#	US-PATENT-CLASS-350-52	c 14	N72-22444 *	#
US-PATENT-CLASS-346-1	c 09	N72-21246 *	#	US-PATENT-CLASS-350-23	c 14	N72-22441 *	#	US-PATENT-CLASS-350-55	c 23	N71-33229 *	#
US-PATENT-CLASS-346-23	c 14	N72-18411 *	#	US-PATENT-CLASS-350-253	c 35	N77-27366 *	#	US-PATENT-CLASS-350-55	c 14	N73-30393 *	#
US-PATENT-CLASS-346-24	c 35	N74-15831 *	#	US-PATENT-CLASS-350-25	c 74	N80-21138 *	#	US-PATENT-CLASS-350-55	c 23	N73-30666 *	#
US-PATENT-CLASS-346-29	c 09	N72-21246 *	#	US-PATENT-CLASS-350-269	c 33	N74-20861 *	#	US-PATENT-CLASS-350-55	c 89	N79-10969 *	#
US-PATENT-CLASS-346-33R	c 35	N74-32877 *	#	US-PATENT-CLASS-350-26	c 14	N72-22441 *	#	US-PATENT-CLASS-350-55	c 74	N80-33210 *	#
US-PATENT-CLASS-346-44	c 09	N69-21467 *	#	US-PATENT-CLASS-350-270	c 70	N74-21300 *	#	US-PATENT-CLASS-350-58	c 14	N71-15604 *	#
US-PATENT-CLASS-346-50	c 14	N71-21006 *	#	US-PATENT-CLASS-350-275	c 09	N71-19479 *	#	US-PATENT-CLASS-350-6 5	c 32	N80-24510 *	#
US-PATENT-CLASS-346-74MD	c 21	N73-13644 *	#	US-PATENT-CLASS-350-285	c 14	N71-15605 *	#	US-PATENT-CLASS-350-6 6	c 32	N80-24510 *	#
US-PATENT-CLASS-346-74MT	c 35	N79-16246 *	#	US-PATENT-CLASS-350-285	c 14	N71-17662 *	#	US-PATENT-CLASS-350-619	c 74	N85-23396 *	#
US-PATENT-CLASS-346R	c 73	N77-18891 *	#	US-PATENT-CLASS-350-285	c 19	N71-26674 *	#	US-PATENT-CLASS-350-6	c 14	N69-27461 *	#
US-PATENT-CLASS-349	c 25	N79-28253 *	#	US-PATENT-CLASS-350-285	c 15	N72-11386 *	#	US-PATENT-CLASS-350-6	c 36	N74-15145 *	#
US-PATENT-CLASS-35-10 2	c 14	N71-15621 *	#	US-PATENT-CLASS-350-285	c 16	N73-33397 *	#	US-PATENT-CLASS-350-79	c 14	N72-32452 *	#
US-PATENT-CLASS-35-12C	c 14	N73-27377 *	#	US-PATENT-CLASS-350-285	c 74	N74-15095 *	#	US-PATENT-CLASS-350-7	c 74	N74-15095 *	#
US-PATENT-CLASS-35-12C	c 09	N75-15662 *	#	US-PATENT-CLASS-350-285	c 74	N80-21138 *	#	US-PATENT-CLASS-350-86	c 14	N72-22445 *	#
US-PATENT-CLASS-35-12C	c 74	N79-13855 *	#	US-PATENT-CLASS-350-286	c 07	N71-29065 *	#	US-PATENT-CLASS-350-96 10	c 74	N84-11921 *	#
US-PATENT-CLASS-35-12E	c 09	N74-30597 *	#	US-PATENT-CLASS-350-286	c 73	N78-32848 *	#	US-PATENT-CLASS-350-96 15	c 74	N84-11921 *	#
US-PATENT-CLASS-35-12E	c 09	N79-31228 *	#	US-PATENT-CLASS-350-286	c 74	N83-10900 *	#	US-PATENT-CLASS-350-96 15	c 74	N85-29749 *	#
US-PATENT-CLASS-35-12H	c 09	N79-31228 *	#	US-PATENT-CLASS-350-287	c 15	N72-11386 *	#	US-PATENT-CLASS-350-96 16	c 74	N83-29032 *	#
US-PATENT-CLASS-35-12H	c 09	N76-24280 *	#	US-PATENT-CLASS-350-287	c 74	N83-13978 *	#	US-PATENT-CLASS-350-96 25	c 33	N81-29342 *	#
US-PATENT-CLASS-35-12N	c 09	N78-18083 *	#	US-PATENT-CLASS-350-288	c 23	N71-29123 *	#	US-PATENT-CLASS-350-96R	c 60	N77-14751 *	#
US-PATENT-CLASS-35-12N	c 74	N79-13855 *	#	US-PATENT-CLASS-350-288	c 12	N76-15189 *	#	US-PATENT-CLASS-350-96R	c 60	N77-32731 *	#
US-PATENT-CLASS-35-12	c 11	N70-34815 *	#	US-PATENT-CLASS-350-288	c 74	N77-28933 *	#	US-PATENT-CLASS-350-96R	c 60	N78-10709 *	#
US-PATENT-CLASS-35-12	c 31	N70-34966 *	#	US-PATENT-CLASS-350-288	c 44	N79-11471 *	#	US-PATENT-CLASS-350-96WG	c 36	N75-31427 *	#
US-PATENT-CLASS-35-12	c 11	N71-10746 *	#	US-PATENT-CLASS-350-288	c 44	N79-24433 *	#	US-PATENT-CLASS-350-96WG	c 36	N76-18428 *	#
US-PATENT-CLASS-35-12	c 11	N71-10748 *	#	US-PATENT-CLASS-350-292	c 35	N75-12273 *	#	US-PATENT-CLASS-350-96WG	c 36	N76-24553 *	#
US-PATENT-CLASS-35-12	c 11	N71-10776 *	#	US-PATENT-CLASS-350-292	c 44	N79-14529 *	#	US-PATENT-CLASS-350-96	c 07	N71-26291 *	#
US-PATENT-CLASS-35-12	c 11	N71-18773 *	#	US-PATENT-CLASS-350-292	c 44	N79-24432 *	#	US-PATENT-CLASS-351-166	c 74	N78-32854 *	#
US-PATENT-CLASS-35-12	c 11	N71-19494 *	#	US-PATENT-CLASS-350-293	c 16	N73-16536 *	#	US-PATENT-CLASS-351-23	c 05	N73-26072 *	#
US-PATENT-CLASS-35-12	c 11	N71-21474 *	#	US-PATENT-CLASS-350-293	c 12	N76-15189 *	#	US-PATENT-CLASS-351-23	c 52	N76-30793 *	#
US-PATENT-CLASS-35-12	c 18	N76-14186 *	#	US-PATENT-CLASS-350-293	c 44	N76-24696 *	#	US-PATENT-CLASS-351-30	c 05	N73-26072 *	#
US-PATENT-CLASS-35-17	c 05	N71-24606 *	#	US-PATENT-CLASS-350-293	c 44	N78-10554 *	#	US-PATENT-CLASS-351-30	c 52	N76-30793 *	#
US-PATENT-CLASS-35-19	c 10	N71-27365 *	#	US-PATENT-CLASS-350-293	c 44	N79-14529 *	#	US-PATENT-CLASS-351-36	c 05	N73-26072 *	#
US-PATENT-CLASS-35-22R	c 05	N73-13114 *	#	US-PATENT-CLASS-350-294	c 89	N79-10969 *	#	US-PATENT-CLASS-351-36	c 52	N76-30793 *	#
US-PATENT-CLASS-35-29	c 11	N71-16028 *	#	US-PATENT-CLASS-350-294	c 44	N79-24432 *	#	US-PATENT-CLASS-351-38	c 54	N75-27759 *	#
US-PATENT-CLASS-35-29	c 05	N71-28619 *	#	US-PATENT-CLASS-350-294	c 32	N80-24510 *	#	US-PATENT-CLASS-352-169	c 14	N73-14427 *	#
US-PATENT-CLASS-35-35A	c 71	N74-21014 *	#	US-PATENT-CLASS-350-295	c 44	N77-32583 *	#	US-PATENT-CLASS-352-171	c 35	N82-26628 *	#
US-PATENT-CLASS-35-45	c 14	N70-35394 *	#	US-PATENT-CLASS-350-295	c 44	N80-14473 *	#	US-PATENT-CLASS-352-84	c 16	N71-33410 *	#
US-PATENT-CLASS-35-49	c 12	N69-39988 *	#	US-PATENT-CLASS-350-296	c 44	N79-24432 *	#	US-PATENT-CLASS-352-84	c 14	N72-18411 *	#
US-PATENT-CLASS-35-8	c 05	N72-16015 *	#	US-PATENT-CLASS-350-296	c 44	N80-14473 *	#	US-PATENT-CLASS-353-54	c 34	N74-23066 *	#
US-PATENT-CLASS-350-100	c 36	N									

US-PATENT-CLASS-356-106R	c 35	N77-10493	* #	US-PATENT-CLASS-356-216	c 39	N81-25400	* #	US-PATENT-CLASS-356-72	c 38	N78-32447	* #
US-PATENT-CLASS-356-106R	c 47	N77-10753	* #	US-PATENT-CLASS-356-216	c 35	N84-22931	* #	US-PATENT-CLASS-356-72	c 74	N80-33210	* #
US-PATENT-CLASS-356-106S	c 23	N73-13661	* #	US-PATENT-CLASS-356-222	c 03	N72-20033	* #	US-PATENT-CLASS-356-73	c 75	N74-30156	* #
US-PATENT-CLASS-356-106S	c 35	N76-31490	* #	US-PATENT-CLASS-356-222	c 47	N83-32232	* #	US-PATENT-CLASS-356-73	c 38	N78-32447	* #
US-PATENT-CLASS-356-106S	c 35	N78-18391	* #	US-PATENT-CLASS-356-234	c 39	N81-25400	* #	US-PATENT-CLASS-356-73	c 35	N84-33766	* #
US-PATENT-CLASS-356-106S	c 35	N74-23040	* #	US-PATENT-CLASS-356-234	c 35	N84-22931	* #	US-PATENT-CLASS-356-74	c 30	N71-15990	* #
US-PATENT-CLASS-356-106	c 14	N71-17627	* #	US-PATENT-CLASS-356-236	c 74	N77-11941	* #	US-PATENT-CLASS-356-74	c 35	N84-33766	* #
US-PATENT-CLASS-356-106	c 14	N71-17655	* #	US-PATENT-CLASS-356-237	c 74	N77-10899	* #	US-PATENT-CLASS-356-76	c 23	N71-26206	* #
US-PATENT-CLASS-356-106	c 14	N71-27215	* #	US-PATENT-CLASS-356-237	c 38	N78-17395	* #	US-PATENT-CLASS-356-76	c 14	N71-29041	* #
US-PATENT-CLASS-356-106	c 14	N73-12446	* #	US-PATENT-CLASS-356-237	c 38	N78-17396	* #	US-PATENT-CLASS-356-83	c 35	N75-19613	* #
US-PATENT-CLASS-356-106	c 35	N74-15146	* #	US-PATENT-CLASS-356-237	c 35	N79-28527	* #	US-PATENT-CLASS-356-85	c 37	N74-18123	* #
US-PATENT-CLASS-356-106	c 16	N71-24170	* #	US-PATENT-CLASS-356-239	c 74	N77-10899	* #	US-PATENT-CLASS-356-85	c 75	N74-30156	* #
US-PATENT-CLASS-356-108	c 26	N73-26751	* #	US-PATENT-CLASS-356-241	c 14	N72-32452	* #	US-PATENT-CLASS-356-87	c 75	N74-30156	* #
US-PATENT-CLASS-356-108	c 16	N73-30476	* #	US-PATENT-CLASS-356-243	c 36	N80-16321	* #	US-PATENT-CLASS-356-96	c 35	N75-19613	* #
US-PATENT-CLASS-356-109	c 16	N73-30476	* #	US-PATENT-CLASS-356-244	c 14	N72-17323	* #	US-PATENT-CLASS-356-97	c 33	N77-14411	* #
US-PATENT-CLASS-356-110	c 14	N73-25463	* #	US-PATENT-CLASS-356-244	c 35	N76-31490	* #	US-PATENT-CLASS-357-12	c 33	N85-21492	* #
US-PATENT-CLASS-356-110	c 35	N78-18391	* #	US-PATENT-CLASS-356-244	c 35	N80-28687	* #	US-PATENT-CLASS-357-15	c 44	N78-13526	* #
US-PATENT-CLASS-356-112	c 72	N74-19310	* #	US-PATENT-CLASS-356-246	c 35	N74-27860	* #	US-PATENT-CLASS-357-15	c 44	N79-11467	* #
US-PATENT-CLASS-356-113	c 14	N72-17323	* #	US-PATENT-CLASS-356-246	c 74	N78-17867	* #	US-PATENT-CLASS-357-15	c 44	N81-29525	* #
US-PATENT-CLASS-356-113	c 35	N74-23040	* #	US-PATENT-CLASS-356-248	c 14	N72-22444	* #	US-PATENT-CLASS-357-16	c 44	N78-13526	* #
US-PATENT-CLASS-356-114	c 14	N73-12446	* #	US-PATENT-CLASS-356-28 5	c 32	N80-24510	* #	US-PATENT-CLASS-357-16	c 44	N79-11467	* #
US-PATENT-CLASS-356-114	c 35	N76-31490	* #	US-PATENT-CLASS-356-28 5	c 36	N81-24422	* #	US-PATENT-CLASS-357-17	c 36	N85-30305	* #
US-PATENT-CLASS-356-117	c 23	N71-16101	* #	US-PATENT-CLASS-356-28 5	c 36	N82-32712	* #	US-PATENT-CLASS-357-22	c 33	N79-11314	* #
US-PATENT-CLASS-356-120	c 74	N78-27904	* #	US-PATENT-CLASS-356-28 5	c 21	N71-19212	* #	US-PATENT-CLASS-357-22	c 33	N79-12321	* #
US-PATENT-CLASS-356-123	c 74	N76-19935	* #	US-PATENT-CLASS-356-28	c 16	N71-24828	* #	US-PATENT-CLASS-357-23	c 76	N75-25730	* #
US-PATENT-CLASS-356-124	c 74	N76-19935	* #	US-PATENT-CLASS-356-28	c 72	N74-19310	* #	US-PATENT-CLASS-357-23	c 33	N79-12321	* #
US-PATENT-CLASS-356-124	c 74	N79-11865	* #	US-PATENT-CLASS-356-28	c 36	N75-15028	* #	US-PATENT-CLASS-357-23	c 33	N81-26360	* #
US-PATENT-CLASS-356-129	c 74	N79-20856	* #	US-PATENT-CLASS-356-28	c 35	N75-16783	* #	US-PATENT-CLASS-357-24	c 33	N75-31331	* #
US-PATENT-CLASS-356-138	c 14	N72-20379	* #	US-PATENT-CLASS-356-28	c 36	N76-14447	* #	US-PATENT-CLASS-357-29	c 76	N75-25730	* #
US-PATENT-CLASS-356-138	c 16	N73-33397	* #	US-PATENT-CLASS-356-28	c 36	N77-25501	* #	US-PATENT-CLASS-357-29	c 35	N84-33765	* #
US-PATENT-CLASS-356-141	c 14	N72-27409	* #	US-PATENT-CLASS-356-28	c 74	N78-17866	* #	US-PATENT-CLASS-357-30	c 44	N76-28635	* #
US-PATENT-CLASS-356-141	c 14	N73-28490	* #	US-PATENT-CLASS-356-28	c 35	N79-18296	* #	US-PATENT-CLASS-357-30	c 44	N78-13526	* #
US-PATENT-CLASS-356-141	c 36	N74-21091	* #	US-PATENT-CLASS-356-28	c 36	N80-16321	* #	US-PATENT-CLASS-357-30	c 44	N78-24609	* #
US-PATENT-CLASS-356-141	c 89	N74-30886	* #	US-PATENT-CLASS-356-300	c 43	N79-17288	* #	US-PATENT-CLASS-357-30	c 44	N78-25527	* #
US-PATENT-CLASS-356-141	c 74	N77-22951	* #	US-PATENT-CLASS-356-323	c 74	N85-23396	* #	US-PATENT-CLASS-357-30	c 44	N79-11467	* #
US-PATENT-CLASS-356-147	c 89	N74-30886	* #	US-PATENT-CLASS-356-328	c 35	N80-26635	* #	US-PATENT-CLASS-357-30	c 44	N79-14528	* #
US-PATENT-CLASS-356-148	c 16	N73-33397	* #	US-PATENT-CLASS-356-32	c 14	N72-11364	* #	US-PATENT-CLASS-357-30	c 44	N79-31752	* #
US-PATENT-CLASS-356-150	c 15	N71-28740	* #	US-PATENT-CLASS-356-32	c 32	N73-20740	* #	US-PATENT-CLASS-357-30	c 44	N80-29835	* #
US-PATENT-CLASS-356-150	c 74	N80-21138	* #	US-PATENT-CLASS-356-32	c 39	N81-25400	* #	US-PATENT-CLASS-357-30	c 44	N81-19558	* #
US-PATENT-CLASS-356-152	c 15	N71-28740	* #	US-PATENT-CLASS-356-330	c 74	N85-23396	* #	US-PATENT-CLASS-357-30	c 44	N81-29525	* #
US-PATENT-CLASS-356-152	c 16	N72-13437	* #	US-PATENT-CLASS-356-331	c 74	N85-23396	* #	US-PATENT-CLASS-357-30	c 44	N82-26777	* #
US-PATENT-CLASS-356-152	c 14	N72-20379	* #	US-PATENT-CLASS-356-334	c 74	N80-21140	* #	US-PATENT-CLASS-357-30	c 44	N82-29709	* #
US-PATENT-CLASS-356-152	c 14	N72-27409	* #	US-PATENT-CLASS-356-345	c 74	N81-17888	* #	US-PATENT-CLASS-357-30	c 44	N82-31764	* #
US-PATENT-CLASS-356-152	c 14	N73-25462	* #	US-PATENT-CLASS-356-345	c 74	N81-29963	* #	US-PATENT-CLASS-357-30	c 44	N83-13579	* #
US-PATENT-CLASS-356-152	c 36	N74-15145	* #	US-PATENT-CLASS-356-345	c 36	N84-14509	* #	US-PATENT-CLASS-357-30	c 44	N83-32177	* #
US-PATENT-CLASS-356-152	c 36	N74-21091	* #	US-PATENT-CLASS-356-346	c 35	N80-20563	* #	US-PATENT-CLASS-357-30	c 35	N84-33765	* #
US-PATENT-CLASS-356-152	c 74	N74-21304	* #	US-PATENT-CLASS-356-346	c 74	N81-29963	* #	US-PATENT-CLASS-357-30	c 33	N85-21492	* #
US-PATENT-CLASS-356-152	c 74	N77-22951	* #	US-PATENT-CLASS-356-347	c 35	N84-22929	* #	US-PATENT-CLASS-357-30	c 44	N85-21768	* #
US-PATENT-CLASS-356-152	c 74	N80-21138	* #	US-PATENT-CLASS-356-349	c 36	N82-16396	* #	US-PATENT-CLASS-357-30	c 44	N85-30475	* #
US-PATENT-CLASS-356-152	c 37	N81-27519	* #	US-PATENT-CLASS-356-350	c 35	N81-33448	* #	US-PATENT-CLASS-357-32	c 35	N84-33765	* #
US-PATENT-CLASS-356-153	c 15	N71-28740	* #	US-PATENT-CLASS-356-351	c 35	N81-33448	* #	US-PATENT-CLASS-357-40	c 36	N85-30305	* #
US-PATENT-CLASS-356-153	c 23	N71-29125	* #	US-PATENT-CLASS-356-351	c 35	N85-30282	* #	US-PATENT-CLASS-357-40	c 33	N79-12321	* #
US-PATENT-CLASS-356-153	c 16	N73-33397	* #	US-PATENT-CLASS-356-352	c 74	N81-17888	* #	US-PATENT-CLASS-357-42	c 76	N75-25730	* #
US-PATENT-CLASS-356-153	c 18	N76-14186	* #	US-PATENT-CLASS-356-353	c 74	N83-32577	* #	US-PATENT-CLASS-357-45	c 33	N79-12321	* #
US-PATENT-CLASS-356-154	c 15	N71-26673	* #	US-PATENT-CLASS-356-356	c 36	N81-24422	* #	US-PATENT-CLASS-357-45	c 44	N79-26475	* #
US-PATENT-CLASS-356-159	c 36	N78-14380	* #	US-PATENT-CLASS-356-357	c 74	N83-21949	* #	US-PATENT-CLASS-357-46	c 36	N85-30305	* #
US-PATENT-CLASS-356-160	c 36	N78-14380	* #	US-PATENT-CLASS-356-358	c 74	N81-17888	* #	US-PATENT-CLASS-357-46	c 33	N78-13320	* #
US-PATENT-CLASS-356-161	c 26	N73-26751	* #	US-PATENT-CLASS-356-358	c 36	N81-24422	* #	US-PATENT-CLASS-357-4	c 76	N85-30922	* #
US-PATENT-CLASS-356-162	c 66	N76-19888	* #	US-PATENT-CLASS-356-358	c 35	N85-30282	* #	US-PATENT-CLASS-357-50	c 76	N85-30922	* #
US-PATENT-CLASS-356-165	c 38	N78-17396	* #	US-PATENT-CLASS-356-363	c 74	N83-32577	* #	US-PATENT-CLASS-357-52	c 76	N75-25730	* #
US-PATENT-CLASS-356-166	c 14	N71-23175	* #	US-PATENT-CLASS-356-369	c 35	N80-28687	* #	US-PATENT-CLASS-357-52	c 44	N80-29835	* #
US-PATENT-CLASS-356-167	c 14	N72-11364	* #	US-PATENT-CLASS-356-36	c 23	N71-16365	* #	US-PATENT-CLASS-357-54	c 76	N75-25730	* #
US-PATENT-CLASS-356-167	c 66	N76-19888	* #	US-PATENT-CLASS-356-37	c 45	N76-21742	* #	US-PATENT-CLASS-357-55	c 33	N79-12321	* #
US-PATENT-CLASS-356-167	c 74	N78-27904	* #	US-PATENT-CLASS-356-386	c 36	N82-16396	* #	US-PATENT-CLASS-357-55	c 33	N81-26360	* #
US-PATENT-CLASS-356-169	c 60	N78-10709	* #	US-PATENT-CLASS-356-396	c 33	N83-18996	* #	US-PATENT-CLASS-357-59	c 44	N76-28635	* #
US-PATENT-CLASS-356-171	c 74	N77-22950	* #	US-PATENT-CLASS-356-404	c 35	N79-28527	* #	US-PATENT-CLASS-357-59	c 44	N78-24609	* #
US-PATENT-CLASS-356-172	c 16	N73-33397	* #	US-PATENT-CLASS-356-406	c 52	N81-27783	* #	US-PATENT-CLASS-357-59	c 44	N81-19558	* #
US-PATENT-CLASS-356-172	c 36	N74-21091	* #	US-PATENT-CLASS-356-407	c 43	N79-17288	* #	US-PATENT-CLASS-357-5	c 33	N75-31332	* #
US-PATENT-CLASS-356-172	c 74	N77-22951	* #	US-PATENT-CLASS-356-407	c 52	N81-27783	* #	US-PATENT-CLASS-357-5	c 33	N78-13320	* #
US-PATENT-CLASS-356-17	c 14	N72-21409	* #	US-PATENT-CLASS-356-416	c 43	N79-17288	* #	US-PATENT-CLASS-357-60	c 33	N81-26360	* #
US-PATENT-CLASS-356-180	c 35	N74-27860	* #	US-PATENT-CLASS-356-416	c 52	N81-27783	* #	US-PATENT-CLASS-357-63	c 33	N76-31409	* #
US-PATENT-CLASS-356-186	c 35	N75-19613	* #	US-PATENT-CLASS-356-432	c 74	N81-17887	* #	US-PATENT-CLASS-357-63	c 44	N81-19558	* #
US-PATENT-CLASS-356-188	c 35	N84-33766	* #	US-PATENT-CLASS-356-432	c 25	N81-25159	* #	US-PATENT-CLASS-357-63	c 44	N82-26777	* #
US-PATENT-CLASS-356-189	c 35	N75-19613	* #	US-PATENT-CLASS-356-434	c 35	N84-34705	* #	US-PATENT-CLASS-357-65	c 44	N78-25527	* #
US-PATENT-CLASS-356-189	c 35	N84-33766	* #	US-PATENT-CLASS-356-437	c 25	N81-14015	* #	US-PATENT-CLASS-357-65	c 44	N79-11467	* #
US-PATENT-CLASS-356-18	c 14	N72-21409	* #	US-PATENT-CLASS-356-43	c 74	N74-15095	* #	US-PATENT-CLASS-357-65	c 44	N79-31752	* #
US-PATENT-CLASS-356-197	c 37	N74-18123	* #	US-PATENT-CLASS-356-43	c 75	N74-30156	* #	US-PATENT-CLASS-357-67	c 44	N78-25527	* #
US-PATENT-CLASS-356-199	c 36	N78-14380	* #	US-PATENT-CLASS-356-43	c 36	N85-21639	* #	US-PATENT-CLASS-357-67	c 44	N79-11467	* #
US-PATENT-CLASS-356-1	c 36	N83-34304	* #	US-PATENT-CLASS-356-45	c 36	N85-21639	* #	US-PATENT-CLASS-357-67	c 44	N79-31752	* #
US-PATENT-CLASS-356-201	c 75	N74-30156	* #	US-PATENT-CLASS-356-4	c 14	N72-17326	* #	US-PATENT-CLASS-357-74	c 33	N78-13320	* #
US-PATENT-CLASS-356-201	c 35	N77-14411	* #	US-PATENT-CLASS-356-4	c 07	N73-26119	* #	US-PATENT-CLASS-357-74	c 37	N79-28549	* #
US-PATENT-CLASS-356-202	c 26	N73-26751	* #	US-PATENT-CLASS-356-4	c 36	N74-15145	* #	US-PATENT-CLASS-357-79	c 37	N79-28549	* #
US-PATENT-CLASS-356-203	c 14	N71-26788	* #	US-PATENT-CLASS-356-4	c 35	N75-15014	* #	US-PATENT-CLASS-357-7	c 33	N75-31331	* #
US-PATENT-CLASS-356-204	c 35	N77-14411	* #	US-PATENT-CLASS-356-4	c 36	N83-34304	* #	US-PATENT-CLASS-357-81	c 37	N79-28549	* #
US-PATENT-CLASS-356-204	c 74	N78-17867	* #	US-PATENT-CLASS-356-51	c 06	N72-31141	* #	US-PATENT-CLASS-357-82	c 37	N79-28549	* #
US-PATENT-CLASS-356-207	c 45	N76-17656	* #	US-PATENT-CLASS-356-51	c 35	N75-30502	* #	US-PATENT-CLASS-357-83	c 37	N79-28549	* #
US-PATENT-CLASS-356-208	c 74	N78-33913	* #	US-PATENT-CLASS-356-51	c 35						

Table with 3 columns: Patent Class Number, Count, and Patent Class Number. The first column lists patent classes from US-PATENT-CLASS-358-109 to US-PATENT-CLASS-364-200. The second column shows counts from c 32 to c 60. The third column lists patent classes from US-PATENT-CLASS-364-200 to US-PATENT-CLASS-410-90. The second column continues with counts from c 60 to c 36.

US-PATENT-CLASS-411-103	c 37	N85-30335 *	#	US-PATENT-CLASS-416-167	c 07	N79-14095 *	#	US-PATENT-CLASS-422-249	c 33	N81-19389 *	#
US-PATENT-CLASS-411-108	c 37	N85-30335 *	#	US-PATENT-CLASS-416-174	c 37	N85-34402 *	#	US-PATENT-CLASS-422-249	c 76	N84-35113 *	#
US-PATENT-CLASS-411-353	c 37	N83-19091 *	#	US-PATENT-CLASS-416-190	c 07	N77-32148 *	#	US-PATENT-CLASS-422-27	c 54	N81-24724 *	#
US-PATENT-CLASS-411-368	c 37	N85-29285 *	#	US-PATENT-CLASS-416-193A	c 07	N77-32148 *	#	US-PATENT-CLASS-422-30	c 54	N81-24724 *	#
US-PATENT-CLASS-411-378	c 37	N85-29285 *	#	US-PATENT-CLASS-416-200	c 34	N83-27144 *	#	US-PATENT-CLASS-422-34	c 54	N81-24724 *	#
US-PATENT-CLASS-411-426	c 37	N85-29285 *	#	US-PATENT-CLASS-416-200	c 02	N72-11018 *	#	US-PATENT-CLASS-422-3	c 54	N81-24724 *	#
US-PATENT-CLASS-411-501	c 37	N85-29285 *	#	US-PATENT-CLASS-416-214A	c 07	N78-33101 *	#	US-PATENT-CLASS-422-40	c 35	N82-11432 *	#
US-PATENT-CLASS-411-517	c 37	N83-19091 *	#	US-PATENT-CLASS-416-220R	c 07	N77-27116 *	#	US-PATENT-CLASS-422-41	c 52	N79-14749 *	#
US-PATENT-CLASS-411-531	c 37	N85-29285 *	#	US-PATENT-CLASS-416-220R	c 37	N78-10468 *	#	US-PATENT-CLASS-422-48	c 52	N79-14749 *	#
US-PATENT-CLASS-414-1	c 37	N80-14398 *	#	US-PATENT-CLASS-416-221	c 07	N77-27116 *	#	US-PATENT-CLASS-422-52	c 51	N80-16714 *	#
US-PATENT-CLASS-414-1	c 37	N81-14320 *	#	US-PATENT-CLASS-416-223R	c 02	N84-11136 *	#	US-PATENT-CLASS-422-52	c 51	N83-27569 *	#
US-PATENT-CLASS-414-217	c 37	N85-29286 *	#	US-PATENT-CLASS-416-223R	c 02	N84-28732 *	#	US-PATENT-CLASS-422-68	c 51	N80-27067 *	#
US-PATENT-CLASS-414-222	c 37	N82-32731 *	#	US-PATENT-CLASS-416-223	c 07	N74-28226 *	#	US-PATENT-CLASS-422-80	c 25	N82-12166 *	#
US-PATENT-CLASS-414-226	c 37	N82-32731 *	#	US-PATENT-CLASS-416-224	c 24	N77-19170 *	#	US-PATENT-CLASS-422-86	c 35	N85-29213 *	#
US-PATENT-CLASS-414-288	c 85	N85-34722 *	#	US-PATENT-CLASS-416-224	c 07	N84-22560 *	#	US-PATENT-CLASS-422-88	c 35	N85-29213 *	#
US-PATENT-CLASS-414-328	c 85	N85-34722 *	#	US-PATENT-CLASS-416-228	c 05	N80-14107 *	#	US-PATENT-CLASS-422-9	c 45	N80-14579 *	#
US-PATENT-CLASS-414-373	c 85	N85-34722 *	#	US-PATENT-CLASS-416-230	c 24	N77-19170 *	#	US-PATENT-CLASS-423-DIG 10	c 24	N84-22695 *	#
US-PATENT-CLASS-414-4	c 37	N79-28551 *	#	US-PATENT-CLASS-416-233	c 07	N84-22560 *	#	US-PATENT-CLASS-423-DIG 10	c 31	N85-20153 *	#
US-PATENT-CLASS-414-4	c 54	N81-26718 *	#	US-PATENT-CLASS-416-237	c 07	N74-28226 *	#	US-PATENT-CLASS-423-131	c 28	N81-15119 *	#
US-PATENT-CLASS-414-6	c 54	N79-24652 *	#	US-PATENT-CLASS-416-238	c 05	N80-14107 *	#	US-PATENT-CLASS-423-149	c 26	N80-14229 *	#
US-PATENT-CLASS-414-730	c 37	N81-27519 *	#	US-PATENT-CLASS-416-23	c 07	N85-29947 *	#	US-PATENT-CLASS-423-1	c 28	N81-15119 *	#
US-PATENT-CLASS-414-735	c 54	N81-26718 *	#	US-PATENT-CLASS-416-241A	c 05	N77-32148 *	#	US-PATENT-CLASS-423-231	c 25	N74-12813 *	#
US-PATENT-CLASS-414-739	c 37	N82-32731 *	#	US-PATENT-CLASS-416-241R	c 26	N84-33555 *	#	US-PATENT-CLASS-423-235	c 25	N82-28368 *	#
US-PATENT-CLASS-414-744A	c 54	N81-26718 *	#	US-PATENT-CLASS-416-242	c 02	N84-11136 *	#	US-PATENT-CLASS-423-242	c 45	N79-12584 *	#
US-PATENT-CLASS-414-786	c 85	N85-34722 *	#	US-PATENT-CLASS-416-242	c 02	N84-28732 *	#	US-PATENT-CLASS-423-249	c 25	N76-27383 *	#
US-PATENT-CLASS-415-DIG 8	c 44	N82-24639 *	#	US-PATENT-CLASS-416-244A	c 07	N78-33101 *	#	US-PATENT-CLASS-423-293	c 26	N80-14229 *	#
US-PATENT-CLASS-415-DIG 8	c 44	N84-23018 *	#	US-PATENT-CLASS-416-248	c 37	N78-10468 *	#	US-PATENT-CLASS-423-303	c 44	N84-23019 *	#
US-PATENT-CLASS-415-101	c 44	N80-21828 *	#	US-PATENT-CLASS-416-25	c 05	N75-12930 *	#	US-PATENT-CLASS-423-33-5	c 25	N79-28253 *	#
US-PATENT-CLASS-415-115	c 07	N79-10057 *	#	US-PATENT-CLASS-416-2	c 44	N79-14522 *	#	US-PATENT-CLASS-423-345	c 76	N76-25049 *	#
US-PATENT-CLASS-415-115	c 34	N83-27144 *	#	US-PATENT-CLASS-416-500	c 05	N81-19087 *	#	US-PATENT-CLASS-423-345	c 76	N79-23798 *	#
US-PATENT-CLASS-415-115	c 07	N84-33410 *	#	US-PATENT-CLASS-416-500	c 05	N85-29947 *	#	US-PATENT-CLASS-423-346	c 76	N76-25049 *	#
US-PATENT-CLASS-415-115	c 34	N85-33433 *	#	US-PATENT-CLASS-416-51	c 05	N79-17847 *	#	US-PATENT-CLASS-423-348	c 26	N80-14229 *	#
US-PATENT-CLASS-415-116	c 07	N79-10057 *	#	US-PATENT-CLASS-416-61	c 35	N78-24515 *	#	US-PATENT-CLASS-423-350	c 37	N80-10494 *	#
US-PATENT-CLASS-415-118	c 35	N83-35338 *	#	US-PATENT-CLASS-416-61	c 37	N79-14382 *	#	US-PATENT-CLASS-423-350	c 31	N80-18231 *	#
US-PATENT-CLASS-415-143	c 34	N79-20335 *	#	US-PATENT-CLASS-416-88	c 05	N79-17847 *	#	US-PATENT-CLASS-423-352	c 36	N76-18427 *	#
US-PATENT-CLASS-415-145	c 07	N77-28118 *	#	US-PATENT-CLASS-416-89	c 05	N79-17847 *	#	US-PATENT-CLASS-423-407	c 24	N76-14203 *	#
US-PATENT-CLASS-415-145	c 07	N82-32366 *	#	US-PATENT-CLASS-416-92	c 07	N84-22560 *	#	US-PATENT-CLASS-423-414	c 24	N84-22695 *	#
US-PATENT-CLASS-415-170-R	c 37	N85-34402 *	#	US-PATENT-CLASS-416-97A	c 34	N85-33433 *	#	US-PATENT-CLASS-423-414	c 31	N85-20153 *	#
US-PATENT-CLASS-415-174	c 37	N79-18318 *	#	US-PATENT-CLASS-416-97R	c 34	N83-27144 *	#	US-PATENT-CLASS-423-417	c 26	N80-14229 *	#
US-PATENT-CLASS-415-174	c 37	N80-26658 *	#	US-PATENT-CLASS-416-97R	c 07	N84-22560 *	#	US-PATENT-CLASS-423-419P	c 25	N83-33977 *	#
US-PATENT-CLASS-415-174	c 37	N82-19540 *	#	US-PATENT-CLASS-417-138	c 35	N75-19611 *	#	US-PATENT-CLASS-423-445	c 24	N84-22695 *	#
US-PATENT-CLASS-415-174	c 27	N82-29453 *	#	US-PATENT-CLASS-417-141	c 44	N76-29701 *	#	US-PATENT-CLASS-423-445	c 31	N85-20153 *	#
US-PATENT-CLASS-415-174	c 18	N83-20996 *	#	US-PATENT-CLASS-417-152	c 15	N72-22489 *	#	US-PATENT-CLASS-423-445	c 24	N85-21267 *	#
US-PATENT-CLASS-415-174	c 37	N84-22957 *	#	US-PATENT-CLASS-417-159	c 09	N84-27749 *	#	US-PATENT-CLASS-423-446	c 15	N73-19457 *	#
US-PATENT-CLASS-415-174	c 37	N85-34402 *	#	US-PATENT-CLASS-417-15	c 37	N83-26078 *	#	US-PATENT-CLASS-423-446	c 24	N84-22695 *	#
US-PATENT-CLASS-415-175	c 07	N83-31603 *	#	US-PATENT-CLASS-417-207	c 44	N76-29701 *	#	US-PATENT-CLASS-423-446	c 31	N85-20153 *	#
US-PATENT-CLASS-415-178	c 07	N82-32366 *	#	US-PATENT-CLASS-417-209	c 34	N76-17317 *	#	US-PATENT-CLASS-423-446	c 24	N85-21267 *	#
US-PATENT-CLASS-415-178	c 07	N83-31603 *	#	US-PATENT-CLASS-417-209	c 44	N76-29701 *	#	US-PATENT-CLASS-423-447 2	c 24	N83-25789 *	#
US-PATENT-CLASS-415-180	c 07	N77-23106 *	#	US-PATENT-CLASS-417-225	c 35	N78-10428 *	#	US-PATENT-CLASS-423-447 6	c 24	N83-25789 *	#
US-PATENT-CLASS-415-180	c 37	N78-10467 *	#	US-PATENT-CLASS-417-328	c 37	N84-28081 *	#	US-PATENT-CLASS-423-447 7	c 24	N83-25789 *	#
US-PATENT-CLASS-415-181	c 07	N74-28226 *	#	US-PATENT-CLASS-417-36	c 35	N75-19611 *	#	US-PATENT-CLASS-423-449	c 24	N84-22695 *	#
US-PATENT-CLASS-415-181	c 07	N74-31270 *	#	US-PATENT-CLASS-417-379	c 44	N76-29701 *	#	US-PATENT-CLASS-423-449	c 31	N85-20153 *	#
US-PATENT-CLASS-415-196	c 37	N80-26658 *	#	US-PATENT-CLASS-417-383	c 37	N80-31790 *	#	US-PATENT-CLASS-423-449	c 24	N85-21267 *	#
US-PATENT-CLASS-415-196	c 37	N82-19540 *	#	US-PATENT-CLASS-417-391	c 15	N73-24513 *	#	US-PATENT-CLASS-423-539	c 25	N82-28368 *	#
US-PATENT-CLASS-415-196	c 37	N85-34402 *	#	US-PATENT-CLASS-417-392	c 37	N84-28081 *	#	US-PATENT-CLASS-423-540	c 25	N82-28368 *	#
US-PATENT-CLASS-415-197	c 18	N83-20996 *	#	US-PATENT-CLASS-417-395	c 35	N75-19611 *	#	US-PATENT-CLASS-423-542	c 25	N82-28368 *	#
US-PATENT-CLASS-415-199	c 05	N80-14107 *	#	US-PATENT-CLASS-417-399	c 44	N83-14693 *	#	US-PATENT-CLASS-423-579	c 46	N74-13011 *	#
US-PATENT-CLASS-415-1	c 34	N79-20335 *	#	US-PATENT-CLASS-417-417	c 44	N83-28574 *	#	US-PATENT-CLASS-423-579	c 25	N82-28368 *	#
US-PATENT-CLASS-415-1	c 07	N83-31603 *	#	US-PATENT-CLASS-417-417	c 31	N85-21404 *	#	US-PATENT-CLASS-423-581	c 25	N79-10162 *	#
US-PATENT-CLASS-415-1	c 37	N85-29282 *	#	US-PATENT-CLASS-417-462	c 37	N84-28081 *	#	US-PATENT-CLASS-423-582	c 26	N78-32229 *	#
US-PATENT-CLASS-415-2R	c 44	N82-24639 *	#	US-PATENT-CLASS-417-470	c 35	N74-15126 *	#	US-PATENT-CLASS-423-583	c 26	N78-32229 *	#
US-PATENT-CLASS-415-2R	c 44	N84-23018 *	#	US-PATENT-CLASS-417-471	c 35	N74-15126 *	#	US-PATENT-CLASS-423-600	c 25	N83-33977 *	#
US-PATENT-CLASS-415-200	c 07	N79-14096 *	#	US-PATENT-CLASS-417-488	c 31	N85-21404 *	#	US-PATENT-CLASS-423-625	c 15	N73-19457 *	#
US-PATENT-CLASS-415-200	c 37	N79-18318 *	#	US-PATENT-CLASS-417-50	c 15	N71-27084 *	#	US-PATENT-CLASS-423-625	c 26	N80-14229 *	#
US-PATENT-CLASS-415-200	c 37	N85-34402 *	#	US-PATENT-CLASS-417-52	c 37	N74-27904 *	#	US-PATENT-CLASS-423-644	c 36	N76-18427 *	#
US-PATENT-CLASS-415-201	c 07	N79-14096 *	#	US-PATENT-CLASS-417-88	c 44	N78-32539 *	#	US-PATENT-CLASS-423-648R	c 44	N77-22607 *	#
US-PATENT-CLASS-415-2	c 44	N80-21828 *	#	US-PATENT-CLASS-418-113	c 37	N82-16408 *	#	US-PATENT-CLASS-423-648R	c 28	N78-24365 *	#
US-PATENT-CLASS-415-47	c 07	N83-31603 *	#	US-PATENT-CLASS-418-142	c 37	N82-16408 *	#	US-PATENT-CLASS-423-648R	c 28	N80-20402 *	#
US-PATENT-CLASS-415-68	c 37	N85-29282 *	#	US-PATENT-CLASS-42-1F	c 11	N72-22247 *	#	US-PATENT-CLASS-423-648R	c 28	N81-14103 *	#
US-PATENT-CLASS-415-9	c 44	N79-14527 *	#	US-PATENT-CLASS-422-15	c 44	N76-29704 *	#	US-PATENT-CLASS-423-648R	c 25	N82-28368 *	#
US-PATENT-CLASS-416-104	c 05	N77-17029 *	#	US-PATENT-CLASS-420-445	c 26	N82-31505 *	#	US-PATENT-CLASS-423-648R	c 25	N83-29324 *	#
US-PATENT-CLASS-416-114	c 05	N81-19087 *	#	US-PATENT-CLASS-420-551	c 26	N82-31505 *	#	US-PATENT-CLASS-423-649	c 25	N83-29324 *	#
US-PATENT-CLASS-416-115	c 02	N72-11018 *	#	US-PATENT-CLASS-420-588	c 26	N82-31505 *	#	US-PATENT-CLASS-423-650	c 44	N76-18642 *	#
US-PATENT-CLASS-416-117	c 37	N84-12493 *	#	US-PATENT-CLASS-422-103	c 35	N85-29213 *	#	US-PATENT-CLASS-423-650	c 44	N76-29704 *	#
US-PATENT-CLASS-416-121	c 02	N72-11018 *	#	US-PATENT-CLASS-422-109	c 54	N81-24724 *	#	US-PATENT-CLASS-423-650	c 44	N77-10636 *	#
US-PATENT-CLASS-416-127	c 02	N72-11018 *	#	US-PATENT-CLASS-422-121	c 35	N84-17555 *	#	US-PATENT-CLASS-423-650	c 44	N80-10374 *	#
US-PATENT-CLASS-416-130	c 02	N72-11018 *	#	US-PATENT-CLASS-422-129	c 37	N85-21652 *	#	US-PATENT-CLASS-423-650	c 28	N80-10374 *	#
US-PATENT-CLASS-416-132B	c 37	N84-12493 *	#	US-PATENT-CLASS-422-169	c 35	N84-17555 *	#	US-PATENT-CLASS-423-658 5	c 28	N81-15119 *	#
US-PATENT-CLASS-416-132R	c 05	N79-17847 *	#	US-PATENT-CLASS-422-178	c 35	N84-17555 *	#	US-PATENT-CLASS-424-12	c 25	N79-14169 *	#
US-PATENT-CLASS-416-135	c 07	N77-32148 *	#	US-PATENT-CLASS-422-186	c 25	N82-28368 *	#	US-PATENT-CLASS-424-12			

US-PATENT-CLASS-425-405R	c 31	N75-13111 * #	US-PATENT-CLASS-427-34	c 37	N84-22957 * #	US-PATENT-CLASS-427-74	c 44	N82-28780 * #
US-PATENT-CLASS-425-415	c 31	N74-32920 * #	US-PATENT-CLASS-427-34	c 26	N84-27855 * #	US-PATENT-CLASS-427-75	c 44	N78-25527 * #
US-PATENT-CLASS-425-438	c 31	N75-13111 * #	US-PATENT-CLASS-427-350	c 24	N79-25142 * #	US-PATENT-CLASS-427-75	c 44	N79-11468 * #
US-PATENT-CLASS-425-468	c 31	N75-13111 * #	US-PATENT-CLASS-427-352	c 27	N83-35409 * #	US-PATENT-CLASS-427-75	c 44	N79-11472 * #
US-PATENT-CLASS-425-6	c 31	N81-33319 * #	US-PATENT-CLASS-427-355	c 24	N79-17916 * #	US-PATENT-CLASS-427-75	c 33	N84-16456 * #
US-PATENT-CLASS-425-6	c 27	N82-28442 * #	US-PATENT-CLASS-427-372 2	c 27	N82-33520 * #	US-PATENT-CLASS-427-84	c 44	N79-11472 * #
US-PATENT-CLASS-425-6	c 31	N83-31896 * #	US-PATENT-CLASS-427-372 2	c 44	N84-28205 * #	US-PATENT-CLASS-427-85	c 44	N85-20530 * #
US-PATENT-CLASS-425-6	c 31	N83-35176 * #	US-PATENT-CLASS-427-372A	c 24	N79-25142 * #	US-PATENT-CLASS-427-86	c 44	N78-28635 * #
US-PATENT-CLASS-425-6	c 71	N84-28568 * #	US-PATENT-CLASS-427-376 2	c 26	N85-35267 * #	US-PATENT-CLASS-427-86	c 44	N78-24609 * #
US-PATENT-CLASS-425-77	c 15	N72-20446 * #	US-PATENT-CLASS-427-376 6	c 33	N84-16456 * #	US-PATENT-CLASS-427-88	c 44	N79-31752 * #
US-PATENT-CLASS-425-7	c 31	N83-35176 * #	US-PATENT-CLASS-427-376 7	c 33	N84-16456 * #	US-PATENT-CLASS-427-88	c 44	N83-13579 * #
US-PATENT-CLASS-427-113	c 44	N76-28635 * #	US-PATENT-CLASS-427-376A	c 27	N78-32260 * #	US-PATENT-CLASS-427-88	c 33	N84-16456 * #
US-PATENT-CLASS-427-113	c 44	N78-24609 * #	US-PATENT-CLASS-427-376B	c 27	N78-32260 * #	US-PATENT-CLASS-427-89	c 44	N83-13579 * #
US-PATENT-CLASS-427-113	c 44	N84-28205 * #	US-PATENT-CLASS-427-376B	c 24	N79-17916 * #	US-PATENT-CLASS-427-90	c 44	N83-13579 * #
US-PATENT-CLASS-427-115	c 25	N82-21268 * #	US-PATENT-CLASS-427-376C	c 24	N79-17916 * #	US-PATENT-CLASS-427-91	c 44	N83-13579 * #
US-PATENT-CLASS-427-115	c 26	N84-22734 * #	US-PATENT-CLASS-427-376	c 27	N76-22377 * #	US-PATENT-CLASS-427-95	c 25	N79-28253 * #
US-PATENT-CLASS-427-115	c 44	N84-28205 * #	US-PATENT-CLASS-427-376	c 27	N76-23426 * #	US-PATENT-CLASS-427-96	c 33	N84-16456 * #
US-PATENT-CLASS-427-123	c 44	N79-11472 * #	US-PATENT-CLASS-427-379	c 27	N76-22377 * #	US-PATENT-CLASS-428-109	c 27	N76-14264 * #
US-PATENT-CLASS-427-124	c 37	N78-13436 * #	US-PATENT-CLASS-427-379	c 27	N76-23426 * #	US-PATENT-CLASS-428-109	c 33	N79-12331 * #
US-PATENT-CLASS-427-125	c 26	N84-22734 * #	US-PATENT-CLASS-427-379	c 27	N78-32260 * #	US-PATENT-CLASS-428-113	c 24	N81-14000 * #
US-PATENT-CLASS-427-125	c 44	N84-28205 * #	US-PATENT-CLASS-427-379	c 27	N81-19296 * #	US-PATENT-CLASS-428-114	c 24	N81-13999 * #
US-PATENT-CLASS-427-126 6	c 26	N84-22734 * #	US-PATENT-CLASS-427-379	c 24	N83-13171 * #	US-PATENT-CLASS-428-114	c 24	N81-14000 * #
US-PATENT-CLASS-427-126	c 37	N78-13436 * #	US-PATENT-CLASS-427-379	c 24	N83-13172 * #	US-PATENT-CLASS-428-116	c 24	N78-10214 * #
US-PATENT-CLASS-427-126	c 44	N79-11472 * #	US-PATENT-CLASS-427-379	c 44	N84-28205 * #	US-PATENT-CLASS-428-116	c 24	N78-17149 * #
US-PATENT-CLASS-427-130	c 44	N77-32583 * #	US-PATENT-CLASS-427-37	c 24	N85-30027 * #	US-PATENT-CLASS-428-117	c 37	N76-24575 * #
US-PATENT-CLASS-427-140	c 27	N82-33520 * #	US-PATENT-CLASS-427-380	c 27	N76-22377 * #	US-PATENT-CLASS-428-117	c 24	N78-15180 * #
US-PATENT-CLASS-427-140	c 24	N83-13172 * #	US-PATENT-CLASS-427-380	c 27	N76-23426 * #	US-PATENT-CLASS-428-117	c 24	N79-16915 * #
US-PATENT-CLASS-427-160	c 34	N77-18382 * #	US-PATENT-CLASS-427-380	c 27	N78-32260 * #	US-PATENT-CLASS-428-119	c 24	N79-16915 * #
US-PATENT-CLASS-427-160	c 44	N78-19599 * #	US-PATENT-CLASS-427-380	c 44	N84-28205 * #	US-PATENT-CLASS-428-133	c 37	N79-10422 * #
US-PATENT-CLASS-427-162	c 12	N76-15189 * #	US-PATENT-CLASS-427-380	c 26	N85-35267 * #	US-PATENT-CLASS-428-137	c 24	N79-25142 * #
US-PATENT-CLASS-427-164	c 27	N78-14164 * #	US-PATENT-CLASS-427-384	c 24	N83-13171 * #	US-PATENT-CLASS-428-138	c 24	N78-10214 * #
US-PATENT-CLASS-427-164	c 27	N78-31233 * #	US-PATENT-CLASS-427-384	c 24	N83-13172 * #	US-PATENT-CLASS-428-139	c 23	N81-29160 * #
US-PATENT-CLASS-427-164	c 74	N78-32854 * #	US-PATENT-CLASS-427-385 5	c 27	N81-14078 * #	US-PATENT-CLASS-428-140	c 24	N81-14000 * #
US-PATENT-CLASS-427-164	c 27	N80-24437 * #	US-PATENT-CLASS-427-385B	c 44	N78-25530 * #	US-PATENT-CLASS-428-141	c 24	N77-28225 * #
US-PATENT-CLASS-427-178	c 24	N85-30027 * #	US-PATENT-CLASS-427-385C	c 44	N78-25530 * #	US-PATENT-CLASS-428-141	c 27	N82-28440 * #
US-PATENT-CLASS-427-191	c 26	N85-35267 * #	US-PATENT-CLASS-427-386	c 24	N78-27180 * #	US-PATENT-CLASS-428-141	c 27	N82-33521 * #
US-PATENT-CLASS-427-196	c 27	N76-15310 * #	US-PATENT-CLASS-427-387	c 74	N78-32854 * #	US-PATENT-CLASS-428-155	c 37	N84-22957 * #
US-PATENT-CLASS-427-203	c 27	N76-16229 * #	US-PATENT-CLASS-427-387	c 24	N83-13171 * #	US-PATENT-CLASS-428-161	c 24	N77-28225 * #
US-PATENT-CLASS-427-204	c 27	N76-16229 * #	US-PATENT-CLASS-427-387	c 24	N83-13172 * #	US-PATENT-CLASS-428-182	c 18	N84-33450 * #
US-PATENT-CLASS-427-205	c 27	N76-16229 * #	US-PATENT-CLASS-427-388A	c 24	N78-27180 * #	US-PATENT-CLASS-428-184	c 18	N84-33450 * #
US-PATENT-CLASS-427-205	c 27	N82-28441 * #	US-PATENT-CLASS-427-38	c 74	N78-32854 * #	US-PATENT-CLASS-428-189	c 27	N79-12221 * #
US-PATENT-CLASS-427-215	c 27	N78-32260 * #	US-PATENT-CLASS-427-38	c 27	N80-24437 * #	US-PATENT-CLASS-428-192	c 27	N82-24339 * #
US-PATENT-CLASS-427-215	c 24	N83-33950 * #	US-PATENT-CLASS-427-38	c 26	N85-29005 * #	US-PATENT-CLASS-428-193	c 27	N82-24339 * #
US-PATENT-CLASS-427-216	c 33	N84-16456 * #	US-PATENT-CLASS-427-393 3	c 27	N82-16238 * #	US-PATENT-CLASS-428-202	c 27	N84-14323 * #
US-PATENT-CLASS-427-217	c 33	N84-16456 * #	US-PATENT-CLASS-427-397 7	c 27	N82-33520 * #	US-PATENT-CLASS-428-212	c 27	N76-14264 * #
US-PATENT-CLASS-427-219 2	c 27	N83-31855 * #	US-PATENT-CLASS-427-397 7	c 26	N85-35267 * #	US-PATENT-CLASS-428-212	c 27	N79-12221 * #
US-PATENT-CLASS-427-221	c 27	N81-19296 * #	US-PATENT-CLASS-427-398A	c 44	N79-11472 * #	US-PATENT-CLASS-428-212	c 27	N82-29456 * #
US-PATENT-CLASS-427-226	c 33	N84-16456 * #	US-PATENT-CLASS-427-399	c 44	N79-11472 * #	US-PATENT-CLASS-428-214	c 27	N76-14264 * #
US-PATENT-CLASS-427-226	c 44	N84-28205 * #	US-PATENT-CLASS-427-399	c 36	N84-22944 * #	US-PATENT-CLASS-428-218	c 27	N82-29456 * #
US-PATENT-CLASS-427-228	c 26	N85-35267 * #	US-PATENT-CLASS-427-399	c 24	N85-21267 * #	US-PATENT-CLASS-428-218	c 24	N83-13171 * #
US-PATENT-CLASS-427-229	c 25	N78-10225 * #	US-PATENT-CLASS-427-400	c 27	N83-34039 * #	US-PATENT-CLASS-428-220	c 15	N79-26100 * #
US-PATENT-CLASS-427-230	c 37	N76-31524 * #	US-PATENT-CLASS-427-400	c 27	N76-22377 * #	US-PATENT-CLASS-428-221	c 27	N82-24339 * #
US-PATENT-CLASS-427-240	c 37	N81-33482 * #	US-PATENT-CLASS-427-402	c 27	N76-23426 * #	US-PATENT-CLASS-428-241	c 27	N83-18908 * #
US-PATENT-CLASS-427-241	c 24	N83-33950 * #	US-PATENT-CLASS-427-405	c 34	N78-18355 * #	US-PATENT-CLASS-428-242	c 27	N82-24339 * #
US-PATENT-CLASS-427-243	c 31	N83-35177 * #	US-PATENT-CLASS-427-405	c 27	N82-28441 * #	US-PATENT-CLASS-428-244	c 27	N83-18908 * #
US-PATENT-CLASS-427-244	c 25	N82-21268 * #	US-PATENT-CLASS-427-405	c 27	N83-31855 * #	US-PATENT-CLASS-428-245	c 27	N82-24339 * #
US-PATENT-CLASS-427-245	c 27	N80-23452 * #	US-PATENT-CLASS-427-405	c 26	N84-27855 * #	US-PATENT-CLASS-428-245	c 27	N83-18908 * #
US-PATENT-CLASS-427-246	c 25	N82-21268 * #	US-PATENT-CLASS-427-407 1	c 27	N83-34039 * #	US-PATENT-CLASS-428-246	c 27	N84-14322 * #
US-PATENT-CLASS-427-247	c 31	N83-35177 * #	US-PATENT-CLASS-427-40	c 27	N78-31233 * #	US-PATENT-CLASS-428-246	c 03	N84-33394 * #
US-PATENT-CLASS-427-248E	c 37	N78-13436 * #	US-PATENT-CLASS-427-40	c 27	N79-18052 * #	US-PATENT-CLASS-428-247	c 33	N79-12331 * #
US-PATENT-CLASS-427-248J	c 44	N78-24609 * #	US-PATENT-CLASS-427-40	c 27	N80-24437 * #	US-PATENT-CLASS-428-247	c 33	N82-26571 * #
US-PATENT-CLASS-427-248	c 44	N76-28635 * #	US-PATENT-CLASS-427-419 2	c 26	N83-31795 * #	US-PATENT-CLASS-428-251	c 27	N82-24339 * #
US-PATENT-CLASS-427-249	c 44	N76-28635 * #	US-PATENT-CLASS-427-419 2	c 26	N84-27855 * #	US-PATENT-CLASS-428-257	c 27	N82-24339 * #
US-PATENT-CLASS-427-249	c 44	N78-24609 * #	US-PATENT-CLASS-427-419A	c 34	N78-18355 * #	US-PATENT-CLASS-428-258	c 33	N79-12331 * #
US-PATENT-CLASS-427-250	c 12	N76-15189 * #	US-PATENT-CLASS-427-41	c 27	N78-31233 * #	US-PATENT-CLASS-428-259	c 33	N79-12331 * #
US-PATENT-CLASS-427-250	c 44	N76-28635 * #	US-PATENT-CLASS-427-41	c 74	N78-32854 * #	US-PATENT-CLASS-428-260	c 27	N81-27272 * #
US-PATENT-CLASS-427-250	c 37	N78-13436 * #	US-PATENT-CLASS-427-41	c 27	N79-14214 * #	US-PATENT-CLASS-428-260	c 27	N82-24339 * #
US-PATENT-CLASS-427-253	c 27	N82-28441 * #	US-PATENT-CLASS-427-41	c 27	N79-18052 * #	US-PATENT-CLASS-428-260	c 27	N83-18908 * #
US-PATENT-CLASS-427-255	c 37	N78-13436 * #	US-PATENT-CLASS-427-41	c 27	N80-23452 * #	US-PATENT-CLASS-428-260	c 27	N84-14322 * #
US-PATENT-CLASS-427-261	c 44	N78-25527 * #	US-PATENT-CLASS-427-421	c 71	N84-16940 * #	US-PATENT-CLASS-428-260	c 27	N85-34281 * #
US-PATENT-CLASS-427-261	c 44	N79-11472 * #	US-PATENT-CLASS-427-422	c 24	N85-30027 * #	US-PATENT-CLASS-428-263	c 27	N82-16238 * #
US-PATENT-CLASS-427-270	c 27	N76-16229 * #	US-PATENT-CLASS-427-423	c 34	N78-18355 * #	US-PATENT-CLASS-428-264	c 27	N82-16238 * #
US-PATENT-CLASS-427-275	c 27	N76-16229 * #	US-PATENT-CLASS-427-423	c 27	N82-29453 * #	US-PATENT-CLASS-428-265	c 27	N82-16238 * #
US-PATENT-CLASS-427-287	c 27	N76-16229 * #	US-PATENT-CLASS-427-423	c 27	N83-31855 * #	US-PATENT-CLASS-428-266	c 27	N82-24339 * #
US-PATENT-CLASS-427-292	c 24	N79-17916 * #	US-PATENT-CLASS-427-423	c 31	N83-35177 * #	US-PATENT-CLASS-428-267	c 27	N82-16238 * #
US-PATENT-CLASS-427-292	c 24	N83-13172 * #	US-PATENT-CLASS-427-423	c 37	N83-28597 * #	US-PATENT-CLASS-428-272	c 27	N82-16238 * #
US-PATENT-CLASS-427-294	c 27	N79-14214 * #	US-PATENT-CLASS-427-425	c 37	N82-24492 * #	US-PATENT-CLASS-428-280	c 27	N79-12221 * #
US-PATENT-CLASS-427-294	c 26	N85-35267 * #	US-PATENT-CLASS-427-426	c 27	N76-15310 * #	US-PATENT-CLASS-428-280	c 03	N84-33394 * #
US-PATENT-CLASS-427-296	c 26	N84-22734 * #	US-PATENT-CLASS-427-426	c 71	N84-16940 * #	US-PATENT-CLASS-428-282	c 24	N79-25142 * #
US-PATENT-CLASS-427-302	c 74	N78-32854 * #	US-PATENT-CLASS-427-429	c 24	N78-24290 * #	US-PATENT-CLASS-428-283	c 24	N82-29362 * #
US-PATENT-CLASS-427-302	c 24	N83-13172 * #	US-PATENT-CLASS-427-429	c 27	N81-14078 * #	US-PATENT-CLASS-428-283	c 27	N82-29456 * #
US-PATENT-CLASS-427-306	c 26	N84-22734 * #	US-PATENT-CLASS-427-436	c 33	N84-16456 * #	US-PATENT-CLASS-428-284	c 24	N82-29362 * #
US-PATENT-CLASS-427-318	c 26	N83-31795 * #	US-PATENT-CLASS-427-437	c 33	N84-16456 * #	US-PATENT-CLASS-428-285	c 27	N79-12221 * #
US-PATENT-CLASS-427-322	c 34	N77-18382 * #	US-PATENT-CLASS-427-443 2	c 25	N84-12262 * #	US-PATENT-CLASS-428-286	c 27	N79-12221 * #
US-PATENT-CLASS-427-322	c 74	N78-32854 * #	US-PATENT-CLASS-427-443	c 44	N84-28205 * #	US-PATENT-CLASS-428-286	c 24	N82-29362 * #
US-PATENT-CLASS-427-322	c 27	N83-34039 * #	US-PATENT-CLASS-427-44	c 74	N78-32854 * #	US-PATENT-CLASS-428-287	c 24	N82-29362 * #
US-PATENT-CLASS-427-327	c 24	N79-17916 * #						

US-PATENT-CLASS-428-304 4	c 03	N84-33394 * #	US-PATENT-CLASS-428-457	c 26	N82-30371 * #	US-PATENT-CLASS-428-902	c 24	N81-14000 * #
US-PATENT-CLASS-428-307 7	c 27	N82-29456 * #	US-PATENT-CLASS-428-458	c 24	N77-28225 * #	US-PATENT-CLASS-428-902	c 31	N81-25258 * #
US-PATENT-CLASS-428-311 5	c 27	N82-29456 * #	US-PATENT-CLASS-428-458	c 24	N79-16915 * #	US-PATENT-CLASS-428-902	c 27	N81-27272 * #
US-PATENT-CLASS-428-312 6	c 27	N82-29456 * #	US-PATENT-CLASS-428-461	c 34	N77-18382 * #	US-PATENT-CLASS-428-902	c 27	N83-18908 * #
US-PATENT-CLASS-428-312 6	c 44	N83-34448 * #	US-PATENT-CLASS-428-462	c 27	N82-24340 * #	US-PATENT-CLASS-428-902	c 24	N83-33950 * #
US-PATENT-CLASS-428-312	c 27	N78-32260 * #	US-PATENT-CLASS-428-466	c 27	N82-24340 * #	US-PATENT-CLASS-428-902	c 27	N84-14322 * #
US-PATENT-CLASS-428-313	c 24	N78-27180 * #	US-PATENT-CLASS-428-469	c 27	N76-16229 * #	US-PATENT-CLASS-428-902	c 27	N84-22745 * #
US-PATENT-CLASS-428-317 9	c 27	N82-29456 * #	US-PATENT-CLASS-428-469	c 26	N83-31795 * #	US-PATENT-CLASS-428-903	c 24	N83-33950 * #
US-PATENT-CLASS-428-319 1	c 03	N84-33394 * #	US-PATENT-CLASS-428-471	c 26	N81-25188 * #	US-PATENT-CLASS-428-911	c 27	N76-16230 * #
US-PATENT-CLASS-428-325	c 27	N78-32260 * #	US-PATENT-CLASS-428-472	c 26	N82-30371 * #	US-PATENT-CLASS-428-911	c 24	N77-27188 * #
US-PATENT-CLASS-428-325	c 27	N82-29456 * #	US-PATENT-CLASS-428-473 5	c 27	N81-14078 * #	US-PATENT-CLASS-428-913	c 34	N78-25350 * #
US-PATENT-CLASS-428-325	c 44	N83-34448 * #	US-PATENT-CLASS-428-473 5	c 27	N81-29229 * #	US-PATENT-CLASS-428-913	c 27	N83-18908 * #
US-PATENT-CLASS-428-328	c 24	N77-27188 * #	US-PATENT-CLASS-428-473 5	c 27	N84-14322 * #	US-PATENT-CLASS-428-913	c 76	N85-33826 * #
US-PATENT-CLASS-428-331	c 27	N78-32260 * #	US-PATENT-CLASS-428-474	c 34	N77-18382 * #	US-PATENT-CLASS-428-920	c 27	N76-16230 * #
US-PATENT-CLASS-428-331	c 27	N83-18908 * #	US-PATENT-CLASS-428-474	c 27	N79-33316 * #	US-PATENT-CLASS-428-920	c 27	N76-22377 * #
US-PATENT-CLASS-428-332	c 27	N76-22377 * #	US-PATENT-CLASS-428-474	c 27	N80-24437 * #	US-PATENT-CLASS-428-920	c 27	N76-23426 * #
US-PATENT-CLASS-428-332	c 27	N76-23426 * #	US-PATENT-CLASS-428-480	c 24	N81-14000 * #	US-PATENT-CLASS-428-920	c 24	N78-15180 * #
US-PATENT-CLASS-428-332	c 24	N78-27180 * #	US-PATENT-CLASS-428-493	c 27	N82-24340 * #	US-PATENT-CLASS-428-920	c 27	N78-32260 * #
US-PATENT-CLASS-428-332	c 27	N79-12221 * #	US-PATENT-CLASS-428-493	c 27	N82-24339 * #	US-PATENT-CLASS-428-920	c 27	N79-12221 * #
US-PATENT-CLASS-428-332	c 24	N79-25142 * #	US-PATENT-CLASS-428-499	c 27	N82-29456 * #	US-PATENT-CLASS-428-920	c 24	N79-25142 * #
US-PATENT-CLASS-428-332	c 27	N82-24340 * #	US-PATENT-CLASS-428-500	c 27	N80-32516 * #	US-PATENT-CLASS-428-920	c 15	N79-26100 * #
US-PATENT-CLASS-428-334	c 74	N78-15879 * #	US-PATENT-CLASS-428-515	c 27	N78-31233 * #	US-PATENT-CLASS-428-920	c 27	N81-27272 * #
US-PATENT-CLASS-428-336	c 74	N78-15879 * #	US-PATENT-CLASS-428-522	c 27	N78-14164 * #	US-PATENT-CLASS-428-920	c 27	N83-18908 * #
US-PATENT-CLASS-428-339	c 27	N82-24340 * #	US-PATENT-CLASS-428-523	c 27	N78-31233 * #	US-PATENT-CLASS-428-920	c 27	N84-14322 * #
US-PATENT-CLASS-428-341	c 27	N78-32260 * #	US-PATENT-CLASS-428-528	c 24	N81-13999 * #	US-PATENT-CLASS-428-920	c 27	N84-22745 * #
US-PATENT-CLASS-428-347	c 27	N84-14323 * #	US-PATENT-CLASS-428-538	c 27	N76-22377 * #	US-PATENT-CLASS-428-921	c 27	N76-16230 * #
US-PATENT-CLASS-428-35	c 34	N77-18382 * #	US-PATENT-CLASS-428-538	c 27	N76-23426 * #	US-PATENT-CLASS-428-921	c 24	N78-27180 * #
US-PATENT-CLASS-428-366	c 24	N79-24062 * #	US-PATENT-CLASS-428-538	c 27	N78-31233 * #	US-PATENT-CLASS-428-921	c 24	N81-13999 * #
US-PATENT-CLASS-428-367	c 27	N81-27272 * #	US-PATENT-CLASS-428-539	c 27	N76-16229 * #	US-PATENT-CLASS-428-921	c 03	N84-33394 * #
US-PATENT-CLASS-428-367	c 24	N83-33950 * #	US-PATENT-CLASS-428-541	c 24	N81-13999 * #	US-PATENT-CLASS-428-922	c 27	N78-14164 * #
US-PATENT-CLASS-428-367	c 27	N84-14322 * #	US-PATENT-CLASS-428-564	c 26	N84-33555 * #	US-PATENT-CLASS-428-938	c 27	N82-28441 * #
US-PATENT-CLASS-428-368	c 24	N77-27188 * #	US-PATENT-CLASS-428-593	c 24	N82-24296 * #	US-PATENT-CLASS-428-938	c 34	N78-25350 * #
US-PATENT-CLASS-428-368	c 27	N83-18908 * #	US-PATENT-CLASS-428-593	c 24	N84-11214 * #	US-PATENT-CLASS-428-941	c 27	N82-28441 * #
US-PATENT-CLASS-428-370	c 27	N84-22745 * #	US-PATENT-CLASS-428-594	c 24	N82-24296 * #	US-PATENT-CLASS-428-94	c 34	N78-25350 * #
US-PATENT-CLASS-428-375	c 24	N79-16915 * #	US-PATENT-CLASS-428-594	c 24	N82-32417 * #	US-PATENT-CLASS-428-95	c 34	N78-25350 * #
US-PATENT-CLASS-428-375	c 24	N83-33950 * #	US-PATENT-CLASS-428-595	c 18	N84-33450 * #	US-PATENT-CLASS-428-96	c 34	N78-25350 * #
US-PATENT-CLASS-428-392	c 24	N83-33950 * #	US-PATENT-CLASS-428-604	c 24	N82-24296 * #	US-PATENT-CLASS-428-97	c 34	N78-25350 * #
US-PATENT-CLASS-428-406	c 27	N78-32260 * #	US-PATENT-CLASS-428-604	c 24	N82-32417 * #	US-PATENT-CLASS-429-101	c 44	N79-17313 * #
US-PATENT-CLASS-428-408	c 27	N81-27272 * #	US-PATENT-CLASS-428-607	c 24	N82-32417 * #	US-PATENT-CLASS-429-101	c 44	N79-26474 * #
US-PATENT-CLASS-428-408	c 27	N84-14322 * #	US-PATENT-CLASS-428-608	c 24	N82-32417 * #	US-PATENT-CLASS-429-101	c 33	N80-20487 * #
US-PATENT-CLASS-428-408	c 27	N84-22745 * #	US-PATENT-CLASS-428-623	c 27	N83-31855 * #	US-PATENT-CLASS-429-105	c 44	N77-22606 * #
US-PATENT-CLASS-428-408	c 27	N85-34281 * #	US-PATENT-CLASS-428-629	c 44	N80-16452 * #	US-PATENT-CLASS-429-105	c 33	N80-20487 * #
US-PATENT-CLASS-428-408	c 27	N84-14323 * #	US-PATENT-CLASS-428-632	c 26	N81-25188 * #	US-PATENT-CLASS-429-105	c 44	N83-27344 * #
US-PATENT-CLASS-428-411	c 27	N78-14164 * #	US-PATENT-CLASS-428-632	c 26	N84-27855 * #	US-PATENT-CLASS-429-107	c 44	N77-22606 * #
US-PATENT-CLASS-428-411	c 27	N78-31233 * #	US-PATENT-CLASS-428-633	c 34	N78-18355 * #	US-PATENT-CLASS-429-107	c 33	N80-20487 * #
US-PATENT-CLASS-428-411	c 27	N79-14214 * #	US-PATENT-CLASS-428-633	c 27	N83-31855 * #	US-PATENT-CLASS-429-107	c 44	N83-27344 * #
US-PATENT-CLASS-428-412	c 27	N76-16230 * #	US-PATENT-CLASS-428-633	c 24	N85-21266 * #	US-PATENT-CLASS-429-109	c 33	N80-20487 * #
US-PATENT-CLASS-428-412	c 27	N78-31233 * #	US-PATENT-CLASS-428-633	c 24	N85-35233 * #	US-PATENT-CLASS-429-109	c 44	N83-27344 * #
US-PATENT-CLASS-428-412	c 74	N78-32854 * #	US-PATENT-CLASS-428-639	c 26	N84-33555 * #	US-PATENT-CLASS-429-111	c 25	N84-12262 * #
US-PATENT-CLASS-428-412	c 27	N79-18052 * #	US-PATENT-CLASS-428-63	c 24	N83-31372 * #	US-PATENT-CLASS-429-111	c 44	N84-23019 * #
US-PATENT-CLASS-428-413	c 27	N76-16230 * #	US-PATENT-CLASS-428-641	c 26	N83-31795 * #	US-PATENT-CLASS-429-120	c 44	N81-24521 * #
US-PATENT-CLASS-428-413	c 15	N79-26100 * #	US-PATENT-CLASS-428-650	c 44	N80-16452 * #	US-PATENT-CLASS-429-139	c 27	N80-32516 * #
US-PATENT-CLASS-428-413	c 24	N81-14000 * #	US-PATENT-CLASS-428-650	c 26	N83-31795 * #	US-PATENT-CLASS-429-139	c 27	N81-24257 * #
US-PATENT-CLASS-428-413	c 27	N85-34281 * #	US-PATENT-CLASS-428-652	c 34	N78-18355 * #	US-PATENT-CLASS-429-139	c 44	N79-10513 * #
US-PATENT-CLASS-428-414	c 15	N79-26100 * #	US-PATENT-CLASS-428-652	c 44	N78-19599 * #	US-PATENT-CLASS-429-144	c 44	N82-29708 * #
US-PATENT-CLASS-428-416	c 27	N76-14264 * #	US-PATENT-CLASS-428-656	c 24	N85-21266 * #	US-PATENT-CLASS-429-144	c 44	N83-32176 * #
US-PATENT-CLASS-428-418	c 24	N77-27188 * #	US-PATENT-CLASS-428-656	c 24	N85-35233 * #	US-PATENT-CLASS-429-145	c 44	N83-32176 * #
US-PATENT-CLASS-428-418	c 15	N79-26100 * #	US-PATENT-CLASS-428-658	c 44	N80-16452 * #	US-PATENT-CLASS-429-160	c 44	N81-24521 * #
US-PATENT-CLASS-428-421	c 34	N77-18382 * #	US-PATENT-CLASS-428-667	c 34	N78-18355 * #	US-PATENT-CLASS-429-164	c 44	N81-24521 * #
US-PATENT-CLASS-428-421	c 15	N79-26100 * #	US-PATENT-CLASS-428-667	c 44	N78-19599 * #	US-PATENT-CLASS-429-190	c 44	N77-22606 * #
US-PATENT-CLASS-428-421	c 27	N80-24437 * #	US-PATENT-CLASS-428-675	c 44	N80-16452 * #	US-PATENT-CLASS-429-193	c 44	N82-29710 * #
US-PATENT-CLASS-428-421	c 76	N83-34796 * #	US-PATENT-CLASS-428-678	c 26	N81-25188 * #	US-PATENT-CLASS-429-206	c 25	N83-13188 * #
US-PATENT-CLASS-428-422	c 27	N78-31233 * #	US-PATENT-CLASS-428-678	c 27	N83-31855 * #	US-PATENT-CLASS-429-206	c 33	N84-14422 * #
US-PATENT-CLASS-428-422	c 76	N83-34796 * #	US-PATENT-CLASS-428-678	c 26	N84-33555 * #	US-PATENT-CLASS-429-206	c 33	N85-29144 * #
US-PATENT-CLASS-428-423 5	c 03	N84-33394 * #	US-PATENT-CLASS-428-678	c 24	N85-21266 * #	US-PATENT-CLASS-429-223	c 26	N84-22734 * #
US-PATENT-CLASS-428-425	c 24	N77-28225 * #	US-PATENT-CLASS-428-678	c 24	N85-35233 * #	US-PATENT-CLASS-429-229	c 33	N84-14422 * #
US-PATENT-CLASS-428-426	c 74	N78-15879 * #	US-PATENT-CLASS-428-679	c 44	N78-19599 * #	US-PATENT-CLASS-429-234	c 26	N84-22734 * #
US-PATENT-CLASS-428-427	c 27	N78-32260 * #	US-PATENT-CLASS-428-679	c 26	N81-25188 * #	US-PATENT-CLASS-429-23	c 44	N77-14581 * #
US-PATENT-CLASS-428-427	c 44	N83-34448 * #	US-PATENT-CLASS-428-679	c 24	N85-21266 * #	US-PATENT-CLASS-429-249	c 27	N81-24257 * #
US-PATENT-CLASS-428-428	c 27	N76-22377 * #	US-PATENT-CLASS-428-679	c 24	N85-35233 * #	US-PATENT-CLASS-429-249	c 23	N81-29160 * #
US-PATENT-CLASS-428-428	c 27	N76-23426 * #	US-PATENT-CLASS-428-680	c 44	N80-16452 * #	US-PATENT-CLASS-429-249	c 33	N85-29144 * #
US-PATENT-CLASS-428-428	c 74	N78-15879 * #	US-PATENT-CLASS-428-680	c 26	N81-25188 * #	US-PATENT-CLASS-429-251	c 44	N82-29708 * #
US-PATENT-CLASS-428-428	c 27	N78-32260 * #	US-PATENT-CLASS-428-680	c 26	N83-31795 * #	US-PATENT-CLASS-429-251	c 44	N83-32176 * #
US-PATENT-CLASS-428-428	c 44	N83-34448 * #	US-PATENT-CLASS-428-680	c 24	N85-21266 * #	US-PATENT-CLASS-429-253	c 44	N79-25481 * #
US-PATENT-CLASS-428-432	c 27	N84-33589 * #	US-PATENT-CLASS-428-680	c 24	N85-35233 * #	US-PATENT-CLASS-429-253	c 27	N81-24257 * #
US-PATENT-CLASS-428-432	c 76	N85-33826 * #	US-PATENT-CLASS-428-681	c 24	N85-21266 * #	US-PATENT-CLASS-429-253	c 23	N81-29160 * #
US-PATENT-CLASS-428-446	c 27	N78-32260 * #	US-PATENT-CLASS-428-681	c 24	N85-35233 * #	US-PATENT-CLASS-429-253	c 25	N83-13188 * #
US-PATENT-CLASS-428-446	c 27	N82-29456 * #	US-PATENT-CLASS-428-682	c 24	N85-21266 * #	US-PATENT-CLASS-429-254	c 44	N78-25350 * #
US-PATENT-CLASS-428-447	c 27	N76-14264 * #	US-PATENT-CLASS-428-682	c 24	N85-35233 * #	US-PATENT-CLASS-429-254	c 44	N82-29708 * #
US-PATENT-CLASS-428-447	c 27	N76-16230 * #	US-PATENT-CLASS-428-683	c 24	N85-21266 * #	US-PATENT-CLASS-429-254	c 44	N83-32176 * #
US-PATENT-CLASS-428-447	c 27	N78-31233 * #	US-PATENT-CLASS-428-684	c 24	N85-21266 * #	US-PATENT-CLASS-429-27	c 27	N81-24257 * #
US-PATENT-CLASS-428-447	c 74	N78-32854 * #	US-PATENT-CLASS-428-698	c 76	N85-33826 * #	US-PATENT-CLASS-429-27	c 23	N81-29160 * #
US-PATENT-CLASS-428-447	c 27	N79-12221 * #	US-PATENT-CLASS-428-698	c 26	N85-35267 * #	US-PATENT-CLASS-429-28	c 27	N81-24257 * #
US-PATENT-CLASS-428-447	c 27	N79-18052 * #	US-PATENT-CLASS-428-704	c 26	N85-35267 * #	US-PATENT-CLASS-429-28	c 23	N81-29160 * #
US-PATENT-CLASS-428-447	c 24	N79-25142 * #	US-PATENT-CLASS-428-71	c 24	N78-15180 * #	US-PATENT-CLASS-429-33	c 44	N79-17313 * #
US-PATENT-CLASS-428-447	c 27	N82-24339 * #	US-PATENT-CLASS-428-71	c 03	N84-33394 * #	US-PATENT-CLASS-429-33	c 44	N82-29710 * #
US-PATENT-CLASS-428-448	c 27	N82-2						

US-PATENT-CLASS-430-271	c 27	N81-25209 * #	US-PATENT-CLASS-455-208	c 33	N82-29539 * #	US-PATENT-CLASS-52-404	c 16	N84-22601 * #
US-PATENT-CLASS-430-325	c 27	N81-25209 * #	US-PATENT-CLASS-455-208	c 32	N84-27952 * #	US-PATENT-CLASS-52-506	c 16	N84-22601 * #
US-PATENT-CLASS-430-329	c 27	N81-25209 * #	US-PATENT-CLASS-455-234	c 33	N82-29539 * #	US-PATENT-CLASS-52-506	c 37	N85-30335 * #
US-PATENT-CLASS-430-330	c 27	N81-25209 * #	US-PATENT-CLASS-455-260	c 32	N84-27952 * #	US-PATENT-CLASS-52-51	c 44	N77-31601 * #
US-PATENT-CLASS-430-372	c 35	N82-11432 * #	US-PATENT-CLASS-455-265	c 32	N84-27952 * #	US-PATENT-CLASS-52-573	c 15	N72-28496 * #
US-PATENT-CLASS-431-10	c 34	N78-27357 * #	US-PATENT-CLASS-455-278	c 32	N81-29308 * #	US-PATENT-CLASS-52-594	c 15	N72-25454 * #
US-PATENT-CLASS-431-10	c 25	N79-11151 * #	US-PATENT-CLASS-455-306	c 33	N82-29539 * #	US-PATENT-CLASS-52-594	c 32	N73-13921 * #
US-PATENT-CLASS-431-116	c 44	N77-10636 * #	US-PATENT-CLASS-455-51	c 32	N81-14186 * #	US-PATENT-CLASS-52-632	c 31	N81-27324 * #
US-PATENT-CLASS-431-11	c 44	N77-10636 * #	US-PATENT-CLASS-455-60	c 35	N82-15381 * #	US-PATENT-CLASS-52-637	c 39	N76-31562 * #
US-PATENT-CLASS-431-158	c 25	N78-10224 * #	US-PATENT-CLASS-455-610	c 74	N82-19029 * #	US-PATENT-CLASS-52-645	c 31	N81-25259 * #
US-PATENT-CLASS-431-162	c 44	N77-10636 * #	US-PATENT-CLASS-455-612	c 74	N82-19029 * #	US-PATENT-CLASS-52-646	c 31	N73-32749 * #
US-PATENT-CLASS-431-163	c 44	N76-29704 * #	US-PATENT-CLASS-455-612	c 74	N82-29032 * #	US-PATENT-CLASS-52-648	c 11	N72-25287 * #
US-PATENT-CLASS-431-170	c 44	N77-10636 * #	US-PATENT-CLASS-455-615	c 74	N82-19029 * #	US-PATENT-CLASS-52-648	c 39	N76-31562 * #
US-PATENT-CLASS-431-173	c 23	N73-30665 * #	US-PATENT-CLASS-455-617	c 74	N82-19029 * #	US-PATENT-CLASS-52-648	c 31	N81-25258 * #
US-PATENT-CLASS-431-1	c 25	N84-16276 * #	US-PATENT-CLASS-455-619	c 32	N81-14186 * #	US-PATENT-CLASS-52-64	c 31	N73-32749 * #
US-PATENT-CLASS-431-202	c 25	N74-33378 * #	US-PATENT-CLASS-455-71	c 32	N81-14186 * #	US-PATENT-CLASS-52-651	c 39	N76-31562 * #
US-PATENT-CLASS-431-208	c 25	N79-11151 * #	US-PATENT-CLASS-455-73	c 32	N85-29118 * #	US-PATENT-CLASS-52-655	c 11	N72-25287 * #
US-PATENT-CLASS-431-210	c 44	N76-29704 * #	US-PATENT-CLASS-467-28	c 39	N80-10507 * #	US-PATENT-CLASS-52-705	c 37	N76-19437 * #
US-PATENT-CLASS-431-2	c 07	N81-29129 * #	US-PATENT-CLASS-47-1 2	c 51	N75-25503 * #	US-PATENT-CLASS-52-71	c 18	N75-27040 * #
US-PATENT-CLASS-431-328	c 34	N78-27357 * #	US-PATENT-CLASS-47-1 4	c 31	N73-32750 * #	US-PATENT-CLASS-52-726	c 39	N76-31562 * #
US-PATENT-CLASS-431-352	c 28	N71-28915 * #	US-PATENT-CLASS-47-17	c 31	N73-32750 * #	US-PATENT-CLASS-52-726	c 31	N81-25258 * #
US-PATENT-CLASS-431-352	c 25	N78-10224 * #	US-PATENT-CLASS-47-26	c 37	N83-26078 * #	US-PATENT-CLASS-52-743	c 37	N81-14317 * #
US-PATENT-CLASS-431-41	c 44	N77-10636 * #	US-PATENT-CLASS-47-39	c 51	N75-25503 * #	US-PATENT-CLASS-52-745	c 39	N76-31562 * #
US-PATENT-CLASS-431-4	c 44	N76-29704 * #	US-PATENT-CLASS-47-58	c 51	N75-25503 * #	US-PATENT-CLASS-52-745	c 31	N81-27323 * #
US-PATENT-CLASS-431-7	c 34	N78-27357 * #	US-PATENT-CLASS-47-58	c 51	N83-17045 * #	US-PATENT-CLASS-52-745	c 37	N85-30335 * #
US-PATENT-CLASS-431-9	c 23	N73-30665 * #	US-PATENT-CLASS-47-58	c 45	N84-12654 * #	US-PATENT-CLASS-52-749	c 39	N76-31562 * #
US-PATENT-CLASS-432-223	c 25	N79-11151 * #	US-PATENT-CLASS-474-205	c 37	N80-32717 * #	US-PATENT-CLASS-52-758F	c 37	N76-19437 * #
US-PATENT-CLASS-432-227	c 35	N83-24828 * #	US-PATENT-CLASS-48-DIG 8	c 28	N80-10374 * #	US-PATENT-CLASS-52-806	c 24	N84-11214 * #
US-PATENT-CLASS-432-264	c 33	N81-19399 * #	US-PATENT-CLASS-48-10-3	c 28	N80-10374 * #	US-PATENT-CLASS-52-808	c 24	N84-11214 * #
US-PATENT-CLASS-432-29	c 25	N79-11151 * #	US-PATENT-CLASS-48-102A	c 28	N80-10374 * #	US-PATENT-CLASS-52-80	c 18	N72-25540 * #
US-PATENT-CLASS-432-58	c 35	N83-24828 * #	US-PATENT-CLASS-48-107	c 28	N80-10374 * #	US-PATENT-CLASS-52-80	c 18	N72-25541 * #
US-PATENT-CLASS-433-118	c 52	N82-29862 * #	US-PATENT-CLASS-48-116	c 44	N76-18642 * #	US-PATENT-CLASS-52-80	c 31	N73-32749 * #
US-PATENT-CLASS-433-125	c 52	N82-29862 * #	US-PATENT-CLASS-48-116	c 44	N77-10636 * #	US-PATENT-CLASS-52-814	c 18	N84-33450 * #
US-PATENT-CLASS-433-86	c 52	N82-29862 * #	US-PATENT-CLASS-48-117	c 44	N76-18642 * #	US-PATENT-CLASS-52-81	c 37	N82-32732 * #
US-PATENT-CLASS-434-242	c 09	N85-19990 * #	US-PATENT-CLASS-48-117	c 44	N77-10636 * #	US-PATENT-CLASS-521-124	c 25	N80-16116 * #
US-PATENT-CLASS-434-243	c 09	N85-19990 * #	US-PATENT-CLASS-48-117	c 28	N80-10374 * #	US-PATENT-CLASS-521-125	c 25	N80-16116 * #
US-PATENT-CLASS-434-2	c 32	N84-27951 * #	US-PATENT-CLASS-48-197R	c 44	N76-29704 * #	US-PATENT-CLASS-521-127	c 25	N80-16116 * #
US-PATENT-CLASS-434-35	c 09	N85-19990 * #	US-PATENT-CLASS-48-197R	c 44	N77-10636 * #	US-PATENT-CLASS-521-141	c 51	N84-28361 * #
US-PATENT-CLASS-434-38	c 36	N83-34304 * #	US-PATENT-CLASS-48-212	c 44	N77-10636 * #	US-PATENT-CLASS-521-142	c 51	N84-28361 * #
US-PATENT-CLASS-434-403	c 31	N83-34073 * #	US-PATENT-CLASS-48-215	c 44	N76-29700 * #	US-PATENT-CLASS-521-146	c 25	N80-23383 * #
US-PATENT-CLASS-434-42	c 09	N82-24212 * #	US-PATENT-CLASS-48-61	c 44	N77-10636 * #	US-PATENT-CLASS-521-149	c 51	N84-28361 * #
US-PATENT-CLASS-434-43	c 09	N82-24212 * #	US-PATENT-CLASS-48-61	c 28	N80-10374 * #	US-PATENT-CLASS-521-157	c 25	N80-16116 * #
US-PATENT-CLASS-434-49	c 09	N85-19990 * #	US-PATENT-CLASS-48-63	c 44	N76-18642 * #	US-PATENT-CLASS-521-27	c 27	N81-14076 * #
US-PATENT-CLASS-434-4	c 36	N83-34304 * #	US-PATENT-CLASS-48-75	c 44	N76-18642 * #	US-PATENT-CLASS-521-32	c 27	N81-14076 * #
US-PATENT-CLASS-434-59	c 54	N81-27806 * #	US-PATENT-CLASS-48-89	c 44	N82-16475 * #	US-PATENT-CLASS-521-55	c 25	N80-23383 * #
US-PATENT-CLASS-434-88	c 31	N83-34073 * #	US-PATENT-CLASS-48-95	c 44	N76-18642 * #	US-PATENT-CLASS-521-62	c 27	N81-14076 * #
US-PATENT-CLASS-435-160	c 23	N85-35227 * #	US-PATENT-CLASS-48-95	c 44	N76-29700 * #	US-PATENT-CLASS-521-918	c 25	N80-23383 * #
US-PATENT-CLASS-435-289	c 51	N80-27067 * #	US-PATENT-CLASS-48-99	c 44	N82-16475 * #	US-PATENT-CLASS-523-135	c 27	N85-29044 * #
US-PATENT-CLASS-435-289	c 51	N83-27569 * #	US-PATENT-CLASS-49-DIG 1	c 34	N78-25350 * #	US-PATENT-CLASS-523-205	c 27	N83-19900 * #
US-PATENT-CLASS-435-290	c 51	N80-27067 * #	US-PATENT-CLASS-49-171	c 31	N81-19343 * #	US-PATENT-CLASS-523-435	c 24	N84-11213 * #
US-PATENT-CLASS-435-291	c 51	N80-27067 * #	US-PATENT-CLASS-49-479	c 34	N78-25350 * #	US-PATENT-CLASS-523-440	c 27	N83-34043 * #
US-PATENT-CLASS-435-291	c 51	N81-28698 * #	US-PATENT-CLASS-49-485	c 34	N78-25350 * #	US-PATENT-CLASS-523-443	c 27	N83-34043 * #
US-PATENT-CLASS-435-291	c 35	N82-28604 * #	US-PATENT-CLASS-49-68	c 18	N74-22136 * #	US-PATENT-CLASS-523-454	c 24	N84-34571 * #
US-PATENT-CLASS-435-291	c 51	N83-27569 * #	US-PATENT-CLASS-5-345	c 05	N70-33285 * #	US-PATENT-CLASS-523-454	c 27	N85-34282 * #
US-PATENT-CLASS-435-311	c 51	N80-27067 * #	US-PATENT-CLASS-5-459	c 03	N84-33394 * #	US-PATENT-CLASS-523-456	c 24	N84-11213 * #
US-PATENT-CLASS-435-316	c 51	N80-27067 * #	US-PATENT-CLASS-5-69	c 05	N72-11085 * #	US-PATENT-CLASS-523-458	c 24	N84-34571 * #
US-PATENT-CLASS-435-32	c 51	N80-27067 * #	US-PATENT-CLASS-5-82	c 05	N71-23159 * #	US-PATENT-CLASS-523-458	c 27	N85-34282 * #
US-PATENT-CLASS-435-34	c 51	N80-16714 * #	US-PATENT-CLASS-51-170	c 15	N71-26134 * #	US-PATENT-CLASS-524-104	c 27	N83-28240 * #
US-PATENT-CLASS-435-34	c 51	N80-27067 * #	US-PATENT-CLASS-51-216	c 15	N72-20444 * #	US-PATENT-CLASS-524-171	c 27	N84-22747 * #
US-PATENT-CLASS-435-34	c 51	N81-28698 * #	US-PATENT-CLASS-51-225	c 37	N74-27905 * #	US-PATENT-CLASS-524-173	c 27	N83-28240 * #
US-PATENT-CLASS-435-34	c 35	N82-28604 * #	US-PATENT-CLASS-51-234	c 37	N74-27905 * #	US-PATENT-CLASS-524-233	c 27	N83-28240 * #
US-PATENT-CLASS-435-34	c 51	N83-27569 * #	US-PATENT-CLASS-51-235	c 37	N78-17383 * #	US-PATENT-CLASS-524-371	c 27	N84-14324 * #
US-PATENT-CLASS-435-34	c 51	N83-28849 * #	US-PATENT-CLASS-51-235	c 76	N80-18951 * #	US-PATENT-CLASS-524-388	c 27	N85-29044 * #
US-PATENT-CLASS-435-34	c 51	N80-27067 * #	US-PATENT-CLASS-51-277	c 74	N80-24149 * #	US-PATENT-CLASS-524-436	c 27	N83-19900 * #
US-PATENT-CLASS-435-38	c 51	N83-27569 * #	US-PATENT-CLASS-51-283R	c 74	N80-24149 * #	US-PATENT-CLASS-524-437	c 27	N83-19900 * #
US-PATENT-CLASS-435-38	c 51	N83-28849 * #	US-PATENT-CLASS-51-283	c 46	N74-23069 * #	US-PATENT-CLASS-524-494	c 27	N84-14322 * #
US-PATENT-CLASS-435-39	c 51	N80-27067 * #	US-PATENT-CLASS-51-320	c 15	N72-20444 * #	US-PATENT-CLASS-524-496	c 27	N84-14322 * #
US-PATENT-CLASS-435-39	c 35	N82-28604 * #	US-PATENT-CLASS-51-323	c 15	N72-20444 * #	US-PATENT-CLASS-524-500	c 27	N84-14322 * #
US-PATENT-CLASS-435-39	c 51	N83-27569 * #	US-PATENT-CLASS-51-323	c 15	N71-22705 * #	US-PATENT-CLASS-524-503	c 27	N83-19900 * #
US-PATENT-CLASS-435-39	c 51	N83-28849 * #	US-PATENT-CLASS-51-57	c 37	N85-21650 * #	US-PATENT-CLASS-524-530	c 27	N84-14322 * #
US-PATENT-CLASS-435-39	c 51	N80-27067 * #	US-PATENT-CLASS-51-73R	c 37	N74-27905 * #	US-PATENT-CLASS-524-533	c 27	N83-19900 * #
US-PATENT-CLASS-435-3	c 51	N83-27569 * #	US-PATENT-CLASS-51-97R	c 18	N72-25540 * #	US-PATENT-CLASS-524-564	c 27	N85-29044 * #
US-PATENT-CLASS-435-3	c 51	N83-28849 * #	US-PATENT-CLASS-52-DIG 10	c 18	N72-25541 * #	US-PATENT-CLASS-524-567	c 27	N83-28240 * #
US-PATENT-CLASS-435-5	c 51	N81-28698 * #	US-PATENT-CLASS-52-DIG 10	c 15	N72-18477 * #	US-PATENT-CLASS-524-726	c 27	N83-19900 * #
US-PATENT-CLASS-435-807	c 51	N83-28849 * #	US-PATENT-CLASS-52-108	c 31	N81-27323 * #	US-PATENT-CLASS-525-107	c 27	N85-34281 * #
US-PATENT-CLASS-435-842	c 23	N85-35227 * #	US-PATENT-CLASS-52-109	c 31	N73-32749 * #	US-PATENT-CLASS-525-113	c 27	N85-34281 * #
US-PATENT-CLASS-435-8	c 51	N83-27569 * #	US-PATENT-CLASS-52-111	c 31	N81-27324 * #	US-PATENT-CLASS-525-119	c 27	N85-34281 * #
US-PATENT-CLASS-436-2	c 35	N85-29213 * #	US-PATENT-CLASS-52-117	c 44	N77-32582 * #	US-PATENT-CLASS-525-181	c 27	N83-28240 * #
US-PATENT-CLASS-44-1-SR	c 25	N85-35253 * #	US-PATENT-CLASS-52-127 7	c 37	N85-30335 * #	US-PATENT-CLASS-525-181	c 27	N85-21349 * #
US-PATENT-CLASS-44-1R	c 44	N78-31527 * #	US-PATENT-CLASS-52-127	c 15	N71-21531 * #	US-PATENT-CLASS-525-182	c 27	N85-21349 * #
US-PATENT-CLASS-44-1R	c 25	N81-33246 * #	US-PATENT-CLASS-52-169	c 15	N72-25454 * #	US-PATENT-CLASS-525-183	c 27	N83-28240 * #
US-PATENT-CLASS-44-1SR	c 25	N82-29371 * #	US-PATENT-CLASS-52-171	c 11	N73-12265 * #	US-PATENT-CLASS-525-183	c 27	N85-21349 * #
US-PATENT-CLASS-44-1SR	c 25	N83-31743 * #	US-PATENT-CLASS-52-173R	c 74	N85-29750 * #	US-PATENT-CLASS-525-184	c 27	N83-28240 * #
US-PATENT-CLASS-44-2	c 44	N78-31527 * #	US-PATENT-CLASS-52-173R	c 44	N77-31601 * #	US-PATENT-CLASS-525-184	c 27	N85-21349 * #
US-PATENT-CLASS-44-2	c 25	N81-33246 * #	US-PATENT-CLASS-52-173	c 15	N72-25454 * #	US-PATENT-CLASS-525-186	c 27	N85-34281 * #
US-PATENT-CLASS-44-50	c 27	N81-17261 * #	US-PATENT-CLASS-52-1	c 15	N72-28496 * #	US-PATENT-CLASS-525-229	c 27	N85-34281 * #
US-PATENT-CLASS-44-51	c 25	N79-11152 * #	US-PATENT-CLASS-52-232	c 37	N81-14317 * #	US-PATENT-CLASS-525-26	c 27	N85-29044 * #
US-PATENT-CLASS-44-62	c 27	N81-17261 * #	US-PATENT-CLASS-52-236	c 39	N76-31562 * #	US-PATENT-CLASS-525-282</		

US-PATENT-CLASS-525-417	c 27	N84-22745 *	#	US-PATENT-CLASS-528-210	c 27	N82-11206 *	#	US-PATENT-CLASS-528-401	c 27	N81-17259 *	#
US-PATENT-CLASS-525-420	c 27	N85-20123 *	#	US-PATENT-CLASS-528-211	c 27	N82-11206 *	#	US-PATENT-CLASS-528-401	c 27	N81-17262 *	#
US-PATENT-CLASS-525-426	c 27	N80-26446 *	#	US-PATENT-CLASS-528-220	c 27	N83-34040 *	#	US-PATENT-CLASS-528-401	c 27	N82-24338 *	#
US-PATENT-CLASS-525-426	c 27	N84-22746 *	#	US-PATENT-CLASS-528-220	c 27	N84-22746 *	#	US-PATENT-CLASS-528-401	c 23	N82-28353 *	#
US-PATENT-CLASS-525-474	c 27	N83-28240 *	#	US-PATENT-CLASS-528-220	c 27	N85-20123 *	#	US-PATENT-CLASS-528-401	c 27	N84-22744 *	#
US-PATENT-CLASS-525-474	c 27	N85-21349 *	#	US-PATENT-CLASS-528-221	c 27	N79-28307 *	#	US-PATENT-CLASS-528-402	c 25	N82-24312 *	#
US-PATENT-CLASS-525-474	c 27	N85-29043 *	#	US-PATENT-CLASS-528-222	c 27	N81-29229 *	#	US-PATENT-CLASS-528-407	c 24	N84-34571 *	#
US-PATENT-CLASS-525-484	c 24	N84-34571 *	#	US-PATENT-CLASS-528-222	c 27	N83-34040 *	#	US-PATENT-CLASS-528-407	c 27	N85-34281 *	#
US-PATENT-CLASS-525-4	c 25	N80-23383 *	#	US-PATENT-CLASS-528-222	c 27	N83-34041 *	#	US-PATENT-CLASS-528-407	c 27	N85-34282 *	#
US-PATENT-CLASS-525-532	c 23	N85-28973 *	#	US-PATENT-CLASS-528-223	c 27	N79-28307 *	#	US-PATENT-CLASS-528-422	c 27	N79-22300 *	#
US-PATENT-CLASS-525-534	c 27	N84-22747 *	#	US-PATENT-CLASS-528-225	c 27	N79-28307 *	#	US-PATENT-CLASS-528-422	c 25	N81-14016 *	#
US-PATENT-CLASS-525-534	c 23	N85-28973 *	#	US-PATENT-CLASS-528-225	c 27	N82-11206 *	#	US-PATENT-CLASS-528-422	c 27	N81-17259 *	#
US-PATENT-CLASS-525-535	c 27	N84-22747 *	#	US-PATENT-CLASS-528-226	c 27	N83-34041 *	#	US-PATENT-CLASS-528-422	c 27	N81-17262 *	#
US-PATENT-CLASS-525-536	c 27	N84-22747 *	#	US-PATENT-CLASS-528-226	c 27	N85-20124 *	#	US-PATENT-CLASS-528-422	c 27	N82-24338 *	#
US-PATENT-CLASS-525-56	c 23	N81-29160 *	#	US-PATENT-CLASS-528-226	c 27	N85-21348 *	#	US-PATENT-CLASS-528-422	c 23	N82-28353 *	#
US-PATENT-CLASS-525-61	c 27	N81-24257 *	#	US-PATENT-CLASS-528-227	c 27	N79-28307 *	#	US-PATENT-CLASS-528-422	c 27	N84-22744 *	#
US-PATENT-CLASS-525-61	c 23	N81-29160 *	#	US-PATENT-CLASS-528-228	c 27	N81-27272 *	#	US-PATENT-CLASS-528-423	c 27	N81-17259 *	#
US-PATENT-CLASS-525-61	c 25	N83-13188 *	#	US-PATENT-CLASS-528-228	c 27	N82-11206 *	#	US-PATENT-CLASS-528-423	c 27	N84-22744 *	#
US-PATENT-CLASS-526-13	c 27	N78-32256 *	#	US-PATENT-CLASS-528-228	c 27	N83-34040 *	#	US-PATENT-CLASS-528-481	c 27	N80-24438 *	#
US-PATENT-CLASS-526-193	c 27	N78-15276 *	#	US-PATENT-CLASS-528-228	c 27	N84-22745 *	#	US-PATENT-CLASS-528-4	c 27	N81-27271 *	#
US-PATENT-CLASS-526-1	c 27	N76-24405 *	#	US-PATENT-CLASS-528-229	c 27	N79-28307 *	#	US-PATENT-CLASS-528-4	c 27	N82-18389 *	#
US-PATENT-CLASS-526-201	c 25	N81-19242 *	#	US-PATENT-CLASS-528-229	c 27	N79-28316 *	#	US-PATENT-CLASS-528-6	c 27	N81-27271 *	#
US-PATENT-CLASS-526-204	c 25	N85-30039 *	#	US-PATENT-CLASS-528-229	c 27	N81-29229 *	#	US-PATENT-CLASS-528-6	c 27	N82-18389 *	#
US-PATENT-CLASS-526-217	c 27	N85-21350 *	#	US-PATENT-CLASS-528-229	c 27	N83-34040 *	#	US-PATENT-CLASS-528-6	c 27	N84-22750 *	#
US-PATENT-CLASS-526-217	c 25	N85-30039 *	#	US-PATENT-CLASS-528-229	c 27	N85-21348 *	#	US-PATENT-CLASS-528-73	c 25	N80-16116 *	#
US-PATENT-CLASS-526-225	c 27	N78-15276 *	#	US-PATENT-CLASS-528-229	c 27	N85-21350 *	#	US-PATENT-CLASS-528-73	c 27	N82-18389 *	#
US-PATENT-CLASS-526-23	c 27	N78-32256 *	#	US-PATENT-CLASS-528-229	c 27	N85-21351 *	#	US-PATENT-CLASS-528-7	c 27	N84-22750 *	#
US-PATENT-CLASS-526-255	c 27	N76-24405 *	#	US-PATENT-CLASS-528-229	c 27	N85-21352 *	#	US-PATENT-CLASS-528-86	c 23	N85-28973 *	#
US-PATENT-CLASS-526-259	c 27	N83-34040 *	#	US-PATENT-CLASS-528-229	c 27	N85-34280 *	#	US-PATENT-CLASS-528-86	c 24	N84-34571 *	#
US-PATENT-CLASS-526-261	c 27	N80-24438 *	#	US-PATENT-CLASS-528-229	c 27	N85-34282 *	#	US-PATENT-CLASS-528-92	c 27	N85-34282 *	#
US-PATENT-CLASS-526-262	c 27	N81-27272 *	#	US-PATENT-CLASS-528-239	c 27	N85-20124 *	#	US-PATENT-CLASS-528-94	c 27	N85-34281 *	#
US-PATENT-CLASS-526-262	c 27	N84-22745 *	#	US-PATENT-CLASS-528-241	c 27	N85-20124 *	#	US-PATENT-CLASS-53-102	c 15	N71-21528 *	#
US-PATENT-CLASS-526-262	c 27	N84-27885 *	#	US-PATENT-CLASS-528-258	c 27	N85-20124 *	#	US-PATENT-CLASS-53-112A	c 15	N73-27405 *	#
US-PATENT-CLASS-526-262	c 27	N85-21347 *	#	US-PATENT-CLASS-528-258	c 27	N84-22747 *	#	US-PATENT-CLASS-53-22A	c 15	N73-27405 *	#
US-PATENT-CLASS-526-262	c 27	N85-21350 *	#	US-PATENT-CLASS-528-262	c 27	N84-22747 *	#	US-PATENT-CLASS-53-22	c 15	N71-23256 *	#
US-PATENT-CLASS-526-262	c 27	N85-21351 *	#	US-PATENT-CLASS-528-271	c 27	N84-27884 *	#	US-PATENT-CLASS-53-429	c 09	N82-29330 *	#
US-PATENT-CLASS-526-262	c 27	N85-21352 *	#	US-PATENT-CLASS-528-279	c 27	N85-20124 *	#	US-PATENT-CLASS-53-9	c 37	N77-23482 *	#
US-PATENT-CLASS-526-262	c 25	N85-28982 *	#	US-PATENT-CLASS-528-288	c 27	N85-29043 *	#	US-PATENT-CLASS-536-105	c 27	N77-30236 *	#
US-PATENT-CLASS-526-262	c 25	N85-30039 *	#	US-PATENT-CLASS-528-288	c 27	N85-29043 *	#	US-PATENT-CLASS-536-56	c 27	N77-30236 *	#
US-PATENT-CLASS-526-262	c 25	N85-30039 *	#	US-PATENT-CLASS-528-289	c 27	N85-29043 *	#	US-PATENT-CLASS-536-58	c 27	N77-30236 *	#
US-PATENT-CLASS-526-274	c 27	N85-21347 *	#	US-PATENT-CLASS-528-303	c 27	N85-29043 *	#	US-PATENT-CLASS-536-84	c 27	N77-30236 *	#
US-PATENT-CLASS-526-275	c 27	N78-32256 *	#	US-PATENT-CLASS-528-304	c 27	N85-29043 *	#	US-PATENT-CLASS-538-117	c 27	N81-17260 *	#
US-PATENT-CLASS-526-275	c 27	N80-24438 *	#	US-PATENT-CLASS-528-310	c 27	N81-17262 *	#	US-PATENT-CLASS-544-193	c 27	N78-15276 *	#
US-PATENT-CLASS-526-276	c 27	N78-32256 *	#	US-PATENT-CLASS-528-310	c 27	N81-24256 *	#	US-PATENT-CLASS-544-193	c 27	N79-28307 *	#
US-PATENT-CLASS-526-276	c 27	N80-24438 *	#	US-PATENT-CLASS-528-310	c 27	N82-24338 *	#	US-PATENT-CLASS-544-195	c 27	N78-32256 *	#
US-PATENT-CLASS-526-278	c 27	N78-32256 *	#	US-PATENT-CLASS-528-310	c 27	N84-27884 *	#	US-PATENT-CLASS-544-215	c 27	N84-22744 *	#
US-PATENT-CLASS-526-278	c 27	N80-24438 *	#	US-PATENT-CLASS-528-314	c 25	N85-30039 *	#	US-PATENT-CLASS-547-131	c 23	N82-28353 *	#
US-PATENT-CLASS-526-278	c 27	N78-32256 *	#	US-PATENT-CLASS-528-315	c 27	N85-21350 *	#	US-PATENT-CLASS-548-413	c 27	N83-31854 *	#
US-PATENT-CLASS-526-285	c 27	N83-34040 *	#	US-PATENT-CLASS-528-321	c 27	N85-21347 *	#	US-PATENT-CLASS-548-415	c 27	N83-31854 *	#
US-PATENT-CLASS-526-328	c 27	N85-29043 *	#	US-PATENT-CLASS-528-322	c 27	N81-17260 *	#	US-PATENT-CLASS-548-415	c 27	N84-22745 *	#
US-PATENT-CLASS-526-329 2	c 27	N85-29043 *	#	US-PATENT-CLASS-528-322	c 27	N84-22745 *	#	US-PATENT-CLASS-549-335	c 23	N85-33187 *	#
US-PATENT-CLASS-526-49	c 27	N78-32256 *	#	US-PATENT-CLASS-528-322	c 27	N84-27885 *	#	US-PATENT-CLASS-55-DIG 25	c 35	N84-17555 *	#
US-PATENT-CLASS-526-50	c 27	N78-32256 *	#	US-PATENT-CLASS-528-322	c 27	N85-21347 *	#	US-PATENT-CLASS-55-DIG 30	c 35	N84-17555 *	#
US-PATENT-CLASS-526-7	c 44	N79-25481 *	#	US-PATENT-CLASS-528-322	c 27	N85-21350 *	#	US-PATENT-CLASS-55-DIG 35	c 54	N75-27761 *	#
US-PATENT-CLASS-526-88	c 25	N81-19242 *	#	US-PATENT-CLASS-528-322	c 27	N85-21351 *	#	US-PATENT-CLASS-55-DIG 42	c 37	N85-29283 *	#
US-PATENT-CLASS-526-914	c 28	N81-15119 *	#	US-PATENT-CLASS-528-322	c 27	N85-21352 *	#	US-PATENT-CLASS-55-100	c 35	N78-12390 *	#
US-PATENT-CLASS-526-9	c 44	N79-25481 *	#	US-PATENT-CLASS-528-322	c 25	N85-28982 *	#	US-PATENT-CLASS-55-100	c 25	N78-25148 *	#
US-PATENT-CLASS-526-106	c 27	N85-34282 *	#	US-PATENT-CLASS-528-322	c 25	N85-30039 *	#	US-PATENT-CLASS-55-101	c 25	N78-25148 *	#
US-PATENT-CLASS-526-110	c 24	N84-11213 *	#	US-PATENT-CLASS-528-327	c 27	N84-27884 *	#	US-PATENT-CLASS-55-105	c 35	N84-17555 *	#
US-PATENT-CLASS-526-113	c 27	N85-34281 *	#	US-PATENT-CLASS-528-328	c 27	N82-24338 *	#	US-PATENT-CLASS-55-118	c 35	N79-17192 *	#
US-PATENT-CLASS-526-117	c 27	N85-34281 *	#	US-PATENT-CLASS-528-331	c 27	N79-28307 *	#	US-PATENT-CLASS-55-122	c 35	N79-17192 *	#
US-PATENT-CLASS-526-118	c 27	N81-17260 *	#	US-PATENT-CLASS-528-336	c 27	N84-27884 *	#	US-PATENT-CLASS-55-126	c 35	N84-17555 *	#
US-PATENT-CLASS-526-125	c 27	N83-34040 *	#	US-PATENT-CLASS-528-336	c 27	N85-20123 *	#	US-PATENT-CLASS-55-127	c 35	N79-17192 *	#
US-PATENT-CLASS-526-125	c 27	N84-22749 *	#	US-PATENT-CLASS-528-336	c 27	N85-21350 *	#	US-PATENT-CLASS-55-12	c 35	N84-17555 *	#
US-PATENT-CLASS-526-125	c 27	N85-21348 *	#	US-PATENT-CLASS-528-337	c 27	N79-28307 *	#	US-PATENT-CLASS-55-131	c 35	N84-17555 *	#
US-PATENT-CLASS-526-126	c 27	N79-28307 *	#	US-PATENT-CLASS-528-337	c 27	N79-28307 *	#	US-PATENT-CLASS-55-138	c 35	N84-17555 *	#
US-PATENT-CLASS-526-126	c 27	N82-11206 *	#	US-PATENT-CLASS-528-338	c 27	N79-28307 *	#	US-PATENT-CLASS-55-139	c 35	N84-17555 *	#
US-PATENT-CLASS-526-126	c 27	N83-34040 *	#	US-PATENT-CLASS-528-342	c 27	N79-28307 *	#	US-PATENT-CLASS-55-145	c 35	N84-17555 *	#
US-PATENT-CLASS-526-126	c 27	N85-21348 *	#	US-PATENT-CLASS-528-342	c 27	N84-27885 *	#	US-PATENT-CLASS-55-15-8	c 52	N79-14749 *	#
US-PATENT-CLASS-526-127	c 27	N79-28307 *	#	US-PATENT-CLASS-528-342	c 27	N85-21350 *	#	US-PATENT-CLASS-55-155	c 35	N79-17192 *	#
US-PATENT-CLASS-526-128	c 27	N79-28307 *	#	US-PATENT-CLASS-528-342	c 25	N85-28982 *	#	US-PATENT-CLASS-55-158	c 18	N71-20742 *	#
US-PATENT-CLASS-526-128	c 27	N83-34040 *	#	US-PATENT-CLASS-528-342	c 27	N84-22746 *	#	US-PATENT-CLASS-55-158	c 44	N77-22607 *	#
US-PATENT-CLASS-526-128	c 27	N84-22749 *	#	US-PATENT-CLASS-528-345	c 27	N85-20123 *	#	US-PATENT-CLASS-55-158	c 25	N82-21269 *	#
US-PATENT-CLASS-526-128	c 27	N85-21348 *	#	US-PATENT-CLASS-528-345	c 27	N84-22746 *	#	US-PATENT-CLASS-55-159	c 34	N74-30608 *	#
US-PATENT-CLASS-526-12	c 27	N83-34040 *	#	US-PATENT-CLASS-528-348	c 27	N85-20123 *	#	US-PATENT-CLASS-55-159	c 37	N79-21345 *	#
US-PATENT-CLASS-526-166	c 27	N85-21348 *	#	US-PATENT-CLASS-528-351	c 27	N82-11206 *	#	US-PATENT-CLASS-55-159	c 71	N83-35781 *	#
US-PATENT-CLASS-526-167	c 27	N85-21347 *	#	US-PATENT-CLASS-528-352	c 27	N85-21348 *	#	US-PATENT-CLASS-55-15	c 71	N85-22104 *	#
US-PATENT-CLASS-526-168	c 27	N81-27271 *	#	US-PATENT-CLASS-528-352	c 27	N85-34280 *	#	US-PATENT-CLASS-55-160	c 15	N71-15968 *	#
US-PATENT-CLASS-526-168	c 27	N82-18389 *	#	US-PATENT-CLASS-528-353	c 27	N81-19296 *	#	US-PATENT-CLASS-55-16	c 06	N72-31140 *	#
US-PATENT-CLASS-526-168	c 27	N85-21347 *	#	US-PATENT-CLASS-528-353	c 27	N82-11206 *	#	US-PATENT-CLASS-55-179	c 14	N71-1588 *	#
US-PATENT-CLASS-526-170	c 27	N85-34280 *	#	US-PATENT-CLASS-528-353	c 27	N82-11206 *	#	US-PATENT-CLASS-55-179	c 54	N77-32722 *	#
US-PATENT-CLASS-526-172	c 27	N85-21347 *	#	US-PATENT-CLASS-528-353	c 27	N85-21348 *	#	US-PATENT-CLASS-55-184	c 35	N83-29652 *	#
US-PATENT-CLASS-526-172	c 27	N84-22749 *	#	US-PATENT-CLASS-528-361	c 24	N84-11213 *	#	US-PATENT-CLASS-55-197	c 23	N77-17161 *	#
US-PATENT-CLASS-526-173	c 27	N82-11206 *	#	US-PATENT-CLASS-528-362	c 25	N81-14016 *	#	US-PATENT-CLASS-55-199	c 34	N74-30608 *	#
US-PATENT-CLASS-526-180	c 27	N82-11206 *	#	US-PATENT-CLASS-528-362	c 27	N81-17259 *	#	US-PATENT-CLASS-55-202	c 35	N83-29652 *	#
US-PATENT-CLASS-526-183	c 27	N84-22746 *	#	US-PATENT-CLASS-528-362	c 27	N81-17262 *	#	US-PATENT-CLASS-55-204	c 15	N71-23023 *	#
US-PATENT-CLASS-526-183	c 27	N85-20123 *	#	US-PATENT-CLASS-528-362	c 27	N82-24338 *	#	US-PATENT-CLASS-55-204	c 44	N83-10501 *	#
US-PATENT-CLASS-526-185	c 27	N84-22749 *	#	US-PATENT-CLASS-528-362	c 27	N84-22744 *	#	US-PATENT-CLASS-55-208	c 14	N71-18483 *	#
US-PATENT-CLASS-528-18											

US-PATENT-CLASS-55-277	c 71	N85-22104 *	#	US-PATENT-CLASS-60-226A	c 07	N79-14096 *	#	US-PATENT-CLASS-60-35 5	c 28	N70-34175 *	#
US-PATENT-CLASS-55-283	c 35	N84-17555 *	#	US-PATENT-CLASS-60-226A	c 07	N79-14097 *	#	US-PATENT-CLASS-60-35 5	c 28	N70-36802 *	#
US-PATENT-CLASS-55-291	c 35	N84-17555 *	#	US-PATENT-CLASS-60-226A	c 07	N82-26293 *	#	US-PATENT-CLASS-60-35 5	c 21	N70-36938 *	#
US-PATENT-CLASS-55-2	c 25	N78-25148 *	#	US-PATENT-CLASS-60-226R	c 07	N78-18066 *	#	US-PATENT-CLASS-60-35 5	c 25	N70-36946 *	#
US-PATENT-CLASS-55-2	c 28	N81-14103 *	#	US-PATENT-CLASS-60-226R	c 07	N77-14025 *	#	US-PATENT-CLASS-60-35 5	c 28	N70-37245 *	#
US-PATENT-CLASS-55-2	c 35	N84-17555 *	#	US-PATENT-CLASS-60-226R	c 07	N77-28118 *	#	US-PATENT-CLASS-60-35 5	c 28	N70-37980 *	#
US-PATENT-CLASS-55-306	c 28	N70-34788 *	#	US-PATENT-CLASS-60-226R	c 07	N78-17055 *	#	US-PATENT-CLASS-60-35 5	c 28	N71-14043 *	#
US-PATENT-CLASS-55-35	c 05	N70-41297 *	#	US-PATENT-CLASS-60-226R	c 07	N78-17056 *	#	US-PATENT-CLASS-60-35 5	c 28	N71-15661 *	#
US-PATENT-CLASS-55-360	c 35	N79-17192 *	#	US-PATENT-CLASS-60-226R	c 07	N78-25089 *	#	US-PATENT-CLASS-60-35 60	c 28	N71-15659 *	#
US-PATENT-CLASS-55-386	c 35	N75-26334 *	#	US-PATENT-CLASS-60-226R	c 07	N79-14096 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-33284 *	#
US-PATENT-CLASS-55-38	c 71	N83-35781 *	#	US-PATENT-CLASS-60-226R	c 07	N81-19116 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-33331 *	#
US-PATENT-CLASS-55-3	c 35	N78-12390 *	#	US-PATENT-CLASS-60-228	c 07	N77-17059 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-33374 *	#
US-PATENT-CLASS-55-400	c 11	N71-10777 *	#	US-PATENT-CLASS-60-230	c 07	N78-27121 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-33375 *	#
US-PATENT-CLASS-55-407	c 35	N79-17192 *	#	US-PATENT-CLASS-60-236	c 07	N81-19116 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-34860 *	#
US-PATENT-CLASS-55-408	c 15	N70-40062 *	#	US-PATENT-CLASS-60-238	c 07	N81-19116 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-35381 *	#
US-PATENT-CLASS-55-418	c 15	N71-22721 *	#	US-PATENT-CLASS-60-239	c 07	N81-19116 *	#	US-PATENT-CLASS-60-35 6	c 27	N70-35534 *	#
US-PATENT-CLASS-55-43	c 34	N74-30608 *	#	US-PATENT-CLASS-60-23	c 09	N71-26182 *	#	US-PATENT-CLASS-60-35 6	c 15	N70-36535 *	#
US-PATENT-CLASS-55-446	c 15	N72-22489 *	#	US-PATENT-CLASS-60-23	c 15	N72-12409 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-36806 *	#
US-PATENT-CLASS-55-464	c 15	N72-22489 *	#	US-PATENT-CLASS-60-23	c 21	N72-31637 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-36910 *	#
US-PATENT-CLASS-55-466	c 35	N84-17555 *	#	US-PATENT-CLASS-60-23	c 15	N73-13467 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-38249 *	#
US-PATENT-CLASS-55-493	c 14	N72-23457 *	#	US-PATENT-CLASS-60-240	c 28	N71-24736 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-38504 *	#
US-PATENT-CLASS-55-498	c 14	N72-23457 *	#	US-PATENT-CLASS-60-240	c 28	N73-13773 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-38505 *	#
US-PATENT-CLASS-55-502	c 14	N72-23457 *	#	US-PATENT-CLASS-60-240	c 07	N80-18039 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-38710 *	#
US-PATENT-CLASS-55-510	c 25	N74-12813 *	#	US-PATENT-CLASS-60-243	c 33	N71-21507 *	#	US-PATENT-CLASS-60-35 6	c 28	N70-39899 *	#
US-PATENT-CLASS-55-518	c 25	N74-12813 *	#	US-PATENT-CLASS-60-243	c 15	N71-27432 *	#	US-PATENT-CLASS-60-35 6	c 33	N71-15623 *	#
US-PATENT-CLASS-55-521	c 14	N72-23457 *	#	US-PATENT-CLASS-60-243	c 28	N73-13773 *	#	US-PATENT-CLASS-60-35 6	c 27	N71-15634 *	#
US-PATENT-CLASS-55-523	c 34	N76-27515 *	#	US-PATENT-CLASS-60-243	c 20	N79-21124 *	#	US-PATENT-CLASS-60-35 6	c 31	N71-15637 *	#
US-PATENT-CLASS-55-526	c 34	N76-27515 *	#	US-PATENT-CLASS-60-251	c 28	N70-41311 *	#	US-PATENT-CLASS-60-35 6	c 31	N71-15647 *	#
US-PATENT-CLASS-55-52	c 71	N83-35781 *	#	US-PATENT-CLASS-60-251	c 27	N71-21819 *	#	US-PATENT-CLASS-60-35 6	c 28	N71-15660 *	#
US-PATENT-CLASS-55-55	c 06	N72-31140 *	#	US-PATENT-CLASS-60-254	c 28	N72-20758 *	#	US-PATENT-CLASS-60-35 6	c 14	N71-27186 *	#
US-PATENT-CLASS-55-56	c 25	N80-23383 *	#	US-PATENT-CLASS-60-254	c 28	N73-24784 *	#	US-PATENT-CLASS-60-36	c 15	N72-33477 *	#
US-PATENT-CLASS-55-67	c 23	N79-17161 *	#	US-PATENT-CLASS-60-256	c 28	N73-24784 *	#	US-PATENT-CLASS-60-37	c 15	N73-13467 *	#
US-PATENT-CLASS-55-67	c 25	N80-23383 *	#	US-PATENT-CLASS-60-257	c 31	N70-41948 *	#	US-PATENT-CLASS-60-39 03	c 07	N77-23106 *	#
US-PATENT-CLASS-55-68	c 25	N80-23383 *	#	US-PATENT-CLASS-60-258	c 15	N70-22192 *	#	US-PATENT-CLASS-60-39 03	c 07	N80-18039 *	#
US-PATENT-CLASS-55-6	c 35	N84-17555 *	#	US-PATENT-CLASS-60-258	c 28	N71-22983 *	#	US-PATENT-CLASS-60-39 06	c 07	N80-26298 *	#
US-PATENT-CLASS-55-72	c 25	N80-23383 *	#	US-PATENT-CLASS-60-258	c 28	N71-28849 *	#	US-PATENT-CLASS-60-39 06	c 07	N81-29129 *	#
US-PATENT-CLASS-55-73	c 45	N79-12584 *	#	US-PATENT-CLASS-60-258	c 28	N72-17843 *	#	US-PATENT-CLASS-60-39 07	c 44	N78-32539 *	#
US-PATENT-CLASS-55-74	c 23	N77-17161 *	#	US-PATENT-CLASS-60-258	c 15	N72-25455 *	#	US-PATENT-CLASS-60-39 07	c 07	N82-32366 *	#
US-PATENT-CLASS-55-75	c 15	N71-26185 *	#	US-PATENT-CLASS-60-258	c 20	N74-13502 *	#	US-PATENT-CLASS-60-39 07	c 07	N83-36029 *	#
US-PATENT-CLASS-55-96	c 35	N84-17555 *	#	US-PATENT-CLASS-60-259	c 28	N70-41275 *	#	US-PATENT-CLASS-60-39 14	c 44	N78-32539 *	#
US-PATENT-CLASS-556-410	c 25	N85-21280 *	#	US-PATENT-CLASS-60-259	c 20	N74-13502 *	#	US-PATENT-CLASS-60-39 14	c 07	N79-10057 *	#
US-PATENT-CLASS-564-229	c 27	N81-24256 *	#	US-PATENT-CLASS-60-259	c 34	N77-30399 *	#	US-PATENT-CLASS-60-39 23	c 20	N76-14190 *	#
US-PATENT-CLASS-564-229	c 23	N82-28353 *	#	US-PATENT-CLASS-60-259	c 20	N80-14188 *	#	US-PATENT-CLASS-60-39 23	c 07	N85-35195 *	#
US-PATENT-CLASS-564-243	c 27	N84-22744 *	#	US-PATENT-CLASS-60-259	c 05	N81-26114 *	#	US-PATENT-CLASS-60-39 24	c 07	N81-19115 *	#
US-PATENT-CLASS-568-2	c 27	N82-18389 *	#	US-PATENT-CLASS-60-25	c 15	N73-24513 *	#	US-PATENT-CLASS-60-39 27	c 07	N80-18039 *	#
US-PATENT-CLASS-568-445	c 23	N82-16174 *	#	US-PATENT-CLASS-60-25	c 37	N74-21060 *	#	US-PATENT-CLASS-60-39 28R	c 28	N73-19793 *	#
US-PATENT-CLASS-568-497	c 23	N82-16174 *	#	US-PATENT-CLASS-60-260	c 28	N70-41992 *	#	US-PATENT-CLASS-60-39 28R	c 07	N77-23106 *	#
US-PATENT-CLASS-568-4	c 27	N82-18389 *	#	US-PATENT-CLASS-60-260	c 28	N72-18766 *	#	US-PATENT-CLASS-60-39 28R	c 37	N78-10467 *	#
US-PATENT-CLASS-568-4	c 27	N84-22750 *	#	US-PATENT-CLASS-60-261	c 37	N78-17384 *	#	US-PATENT-CLASS-60-39 28R	c 37	N78-24545 *	#
US-PATENT-CLASS-568-5	c 27	N82-18389 *	#	US-PATENT-CLASS-60-262	c 37	N78-17384 *	#	US-PATENT-CLASS-60-39 28R	c 37	N79-11403 *	#
US-PATENT-CLASS-568-5	c 27	N84-22750 *	#	US-PATENT-CLASS-60-262	c 07	N78-18067 *	#	US-PATENT-CLASS-60-39 29	c 20	N76-14190 *	#
US-PATENT-CLASS-568-852	c 27	N80-32514 *	#	US-PATENT-CLASS-60-262	c 07	N83-33884 *	#	US-PATENT-CLASS-60-39 29	c 35	N76-14431 *	#
US-PATENT-CLASS-568-861	c 27	N80-32514 *	#	US-PATENT-CLASS-60-263	c 28	N71-24321 *	#	US-PATENT-CLASS-60-39 29	c 07	N82-32366 *	#
US-PATENT-CLASS-570-906	c 37	N82-18601 *	#	US-PATENT-CLASS-60-263	c 07	N77-28118 *	#	US-PATENT-CLASS-60-39 29	c 07	N84-33410 *	#
US-PATENT-CLASS-570-123	c 25	N82-24312 *	#	US-PATENT-CLASS-60-264	c 07	N80-32392 *	#	US-PATENT-CLASS-60-39 31	c 07	N78-18066 *	#
US-PATENT-CLASS-570-129	c 25	N82-24312 *	#	US-PATENT-CLASS-60-265	c 28	N71-20942 *	#	US-PATENT-CLASS-60-39 31	c 07	N79-14096 *	#
US-PATENT-CLASS-58-24	c 10	N71-26326 *	#	US-PATENT-CLASS-60-265	c 33	N72-25911 *	#	US-PATENT-CLASS-60-39 33	c 44	N78-32539 *	#
US-PATENT-CLASS-60-39 08	c 37	N79-11403 *	#	US-PATENT-CLASS-60-265	c 33	N73-25952 *	#	US-PATENT-CLASS-60-39 36	c 28	N71-20330 *	#
US-PATENT-CLASS-60-108	c 33	N71-16104 *	#	US-PATENT-CLASS-60-265	c 20	N76-14191 *	#	US-PATENT-CLASS-60-39 36	c 28	N71-28915 *	#
US-PATENT-CLASS-60-1	c 15	N72-33477 *	#	US-PATENT-CLASS-60-266	c 33	N71-28852 *	#	US-PATENT-CLASS-60-39 46M	c 20	N82-18314 *	#
US-PATENT-CLASS-60-1	c 15	N73-13467 *	#	US-PATENT-CLASS-60-266	c 28	N72-23810 *	#	US-PATENT-CLASS-60-39 46	c 27	N71-15635 *	#
US-PATENT-CLASS-60-200A	c 33	N72-25911 *	#	US-PATENT-CLASS-60-267	c 33	N71-29053 *	#	US-PATENT-CLASS-60-39 46	c 15	N74-27360 *	#
US-PATENT-CLASS-60-200A	c 33	N73-25952 *	#	US-PATENT-CLASS-60-267	c 33	N72-25911 *	#	US-PATENT-CLASS-60-39 47	c 27	N71-16392 *	#
US-PATENT-CLASS-60-200A	c 27	N78-17206 *	#	US-PATENT-CLASS-60-267	c 33	N73-25952 *	#	US-PATENT-CLASS-60-39 48	c 28	N70-38199 *	#
US-PATENT-CLASS-60-200R	c 20	N82-18314 *	#	US-PATENT-CLASS-60-267	c 28	N73-32606 *	#	US-PATENT-CLASS-60-39 48	c 28	N70-39931 *	#
US-PATENT-CLASS-60-200	c 28	N71-14044 *	#	US-PATENT-CLASS-60-267	c 20	N76-14191 *	#	US-PATENT-CLASS-60-39 48	c 27	N71-28929 *	#
US-PATENT-CLASS-60-202	c 28	N70-41922 *	#	US-PATENT-CLASS-60-267	c 34	N79-13288 *	#	US-PATENT-CLASS-60-39 51R	c 25	N78-10224 *	#
US-PATENT-CLASS-60-202	c 28	N71-10574 *	#	US-PATENT-CLASS-60-267	c 34	N79-13289 *	#	US-PATENT-CLASS-60-39 52	c 07	N78-25089 *	#
US-PATENT-CLASS-60-202	c 25	N71-21694 *	#	US-PATENT-CLASS-60-267	c 34	N80-24573 *	#	US-PATENT-CLASS-60-39 65	c 28	N71-28915 *	#
US-PATENT-CLASS-60-202	c 28	N71-21822 *	#	US-PATENT-CLASS-60-267	c 44	N81-24519 *	#	US-PATENT-CLASS-60-39 65	c 23	N73-30665 *	#
US-PATENT-CLASS-60-202	c 28	N71-23081 *	#	US-PATENT-CLASS-60-267	c 05	N81-26114 *	#	US-PATENT-CLASS-60-39 65	c 34	N78-27357 *	#
US-PATENT-CLASS-60-202	c 28	N71-23293 *	#	US-PATENT-CLASS-60-269	c 07	N83-33884 *	#	US-PATENT-CLASS-60-39 66	c 15	N70-36411 *	#
US-PATENT-CLASS-60-202	c 28	N71-25213 *	#	US-PATENT-CLASS-60-26	c 21	N72-31637 *	#	US-PATENT-CLASS-60-39 66	c 23	N73-30665 *	#
US-PATENT-CLASS-60-202	c 28	N71-26173 *	#	US-PATENT-CLASS-60-26	c 03	N73-20040 *	#	US-PATENT-CLASS-60-39 66	c 07	N77-23106 *	#
US-PATENT-CLASS-60-202	c 28	N71-26642 *	#	US-PATENT-CLASS-60-271	c 28	N72-11708 *	#	US-PATENT-CLASS-60-39 66	c 37	N78-10467 *	#
US-PATENT-CLASS-60-202	c 28	N71-26781 *	#	US-PATENT-CLASS-60-271	c 28	N72-23810 *	#	US-PATENT-CLASS-60-39 66	c 37	N79-11403 *	#
US-PATENT-CLASS-60-202	c 28	N72-11709 *	#	US-PATENT-CLASS-60-271	c 07	N78-17055 *	#	US-PATENT-CLASS-60-39 69R	c 34	N78-27357 *	#
US-PATENT-CLASS-60-202	c 28	N72-22770 *	#	US-PATENT-CLASS-60-271	c 37	N78-17384 *	#	US-PATENT-CLASS-60-39 72	c 23	N73-30665 *	#
US-PATENT-CLASS-60-202	c 28	N72-22771 *	#	US-PATENT-CLASS-60-271	c 07	N83-33884 *	#	US-PATENT-CLASS-60-39 74A	c 15	N72-25455 *	#
US-PATENT-CLASS-60-202	c 28	N73-24783 *	#	US-PATENT-CLASS-60-275	c 35	N84-17555 *	#	US-PATENT-CLASS-60-39 74R	c 23	N73-30665 *	#
US-PATENT-CLASS-60-202	c 25	N73-25760 *	#	US-PATENT-							

US-PATENT-CLASS-60-524	c 44	N81-17518 * #	US-PATENT-CLASS-62-40	c 15	N71-24044 *	US-PATENT-CLASS-65-61	c 74	N80-24149 * #
US-PATENT-CLASS-60-525	c 37	N81-25370 * #	US-PATENT-CLASS-62-40	c 28	N81-14103 * #	US-PATENT-CLASS-65-7	c 18	N71-23088 *
US-PATENT-CLASS-60-527	c 44	N74-33379 * #	US-PATENT-CLASS-62-45	c 15	N70-33323 *	US-PATENT-CLASS-65-87	c 71	N78-10837 * #
US-PATENT-CLASS-60-527	c 37	N77-12402 * #	US-PATENT-CLASS-62-45	c 31	N70-41871 * #	US-PATENT-CLASS-6554	c 35	N77-24455 * #
US-PATENT-CLASS-60-527	c 37	N77-19458 * #	US-PATENT-CLASS-62-45	c 33	N71-25351 *	US-PATENT-CLASS-6564	c 35	N77-24455 * #
US-PATENT-CLASS-60-527	c 37	N78-31426 * #	US-PATENT-CLASS-62-45	c 33	N71-28892 *	US-PATENT-CLASS-70-58	c 33	N81-25299 * #
US-PATENT-CLASS-60-530	c 20	N75-24837 * #	US-PATENT-CLASS-62-45	c 15	N73-12486 * #	US-PATENT-CLASS-71-98	c 51	N83-17045 * #
US-PATENT-CLASS-60-53	c 37	N77-22479 * #	US-PATENT-CLASS-62-45	c 35	N74-15093 * #	US-PATENT-CLASS-72-253	c 15	N71-22797 *
US-PATENT-CLASS-60-54 5	c 15	N71-10658 * #	US-PATENT-CLASS-62-467R	c 34	N84-22903 * #	US-PATENT-CLASS-72-258	c 15	N73-13464 * #
US-PATENT-CLASS-60-560	c 35	N78-10428 * #	US-PATENT-CLASS-62-467	c 33	N70-37979 * #	US-PATENT-CLASS-72-307	c 15	N72-12408 *
US-PATENT-CLASS-60-572	c 44	N79-18443 * #	US-PATENT-CLASS-62-467	c 33	N71-17897 *	US-PATENT-CLASS-72-34	c 15	N71-21536 *
US-PATENT-CLASS-60-574	c 35	N78-10428 * #	US-PATENT-CLASS-62-467	c 05	N72-11084 *	US-PATENT-CLASS-72-354	c 15	N71-23811 *
US-PATENT-CLASS-60-606	c 28	N80-10374 * #	US-PATENT-CLASS-62-467	c 33	N72-25911 * #	US-PATENT-CLASS-72-363	c 37	N76-14461 * #
US-PATENT-CLASS-60-606	c 37	N84-33808 * #	US-PATENT-CLASS-62-467	c 33	N73-25952 * #	US-PATENT-CLASS-72-364	c 15	N71-18579 *
US-PATENT-CLASS-60-632	c 20	N80-18097 * #	US-PATENT-CLASS-62-467	c 20	N75-24837 * #	US-PATENT-CLASS-72-369	c 15	N71-24679 *
US-PATENT-CLASS-60-641 12	c 44	N84-23018 * #	US-PATENT-CLASS-62-475	c 23	N72-25619 * #	US-PATENT-CLASS-72-436	c 37	N79-28550 * #
US-PATENT-CLASS-60-641 14	c 44	N82-24640 * #	US-PATENT-CLASS-62-476	c 44	N82-26776 * #	US-PATENT-CLASS-72-447	c 15	N73-13463 * #
US-PATENT-CLASS-60-641	c 44	N75-32581 * #	US-PATENT-CLASS-62-47	c 28	N81-14103 * #	US-PATENT-CLASS-72-451	c 37	N79-28550 * #
US-PATENT-CLASS-60-641	c 44	N77-32582 * #	US-PATENT-CLASS-62-48	c 28	N78-24365 * #	US-PATENT-CLASS-72-453	c 37	N76-18454 * #
US-PATENT-CLASS-60-641	c 44	N78-17460 * #	US-PATENT-CLASS-62-48	c 31	N83-31897 * #	US-PATENT-CLASS-72-467	c 15	N71-23817 *
US-PATENT-CLASS-60-641	c 44	N78-32542 * #	US-PATENT-CLASS-62-49	c 31	N76-14284 * #	US-PATENT-CLASS-72-46	c 24	N75-33181 * #
US-PATENT-CLASS-60-641	c 44	N79-18443 * #	US-PATENT-CLASS-62-4	c 44	N77-32581 * #	US-PATENT-CLASS-72-470	c 37	N79-28550 * #
US-PATENT-CLASS-60-641	c 44	N81-17518 * #	US-PATENT-CLASS-62-4	c 44	N78-17460 * #	US-PATENT-CLASS-72-476	c 15	N73-13463 * #
US-PATENT-CLASS-60-645	c 34	N79-20335 * #	US-PATENT-CLASS-62-50	c 15	N70-34247 * #	US-PATENT-CLASS-72-53	c 15	N71-18616 *
US-PATENT-CLASS-60-649	c 34	N79-20335 * #	US-PATENT-CLASS-62-50	c 35	N78-12390 * #	US-PATENT-CLASS-72-53	c 15	N73-32360 * #
US-PATENT-CLASS-60-659	c 44	N75-32581 * #	US-PATENT-CLASS-62-514 R	c 35	N83-32026 * #	US-PATENT-CLASS-72-54	c 37	N76-14461 * #
US-PATENT-CLASS-60-659	c 44	N76-31667 * #	US-PATENT-CLASS-62-514JT	c 31	N77-10229 * #	US-PATENT-CLASS-72-56	c 15	N70-34249 * #
US-PATENT-CLASS-60-671	c 44	N78-32542 * #	US-PATENT-CLASS-62-514R	c 35	N78-12390 * #	US-PATENT-CLASS-72-56	c 15	N71-24833 *
US-PATENT-CLASS-60-698	c 44	N84-23018 * #	US-PATENT-CLASS-62-514R	c 31	N78-17237 * #	US-PATENT-CLASS-72-56	c 15	N71-24865 *
US-PATENT-CLASS-60-716	c 44	N84-23018 * #	US-PATENT-CLASS-62-514R	c 31	N78-25256 * #	US-PATENT-CLASS-72-56	c 15	N71-26148 *
US-PATENT-CLASS-60-721	c 71	N79-20827 * #	US-PATENT-CLASS-62-514R	c 51	N79-10694 * #	US-PATENT-CLASS-72-60	c 15	N71-24836 *
US-PATENT-CLASS-60-721	c 71	N83-32515 * #	US-PATENT-CLASS-62-514R	c 31	N79-17029 * #	US-PATENT-CLASS-72-61	c 15	N71-26346 *
US-PATENT-CLASS-60-721	c 71	N83-32516 * #	US-PATENT-CLASS-62-514R	c 34	N79-20336 * #	US-PATENT-CLASS-72-63	c 20	N75-18310 * #
US-PATENT-CLASS-60-721	c 71	N84-23233 * #	US-PATENT-CLASS-62-514R	c 35	N81-14287 * #	US-PATENT-CLASS-72-63	c 37	N76-14461 * #
US-PATENT-CLASS-60-726	c 07	N81-29129 * #	US-PATENT-CLASS-62-514R	c 31	N83-31897 * #	US-PATENT-CLASS-72-83	c 15	N71-22723 *
US-PATENT-CLASS-60-726	c 07	N82-32366 * #	US-PATENT-CLASS-62-514R	c 34	N83-34221 * #	US-PATENT-CLASS-73-DIG 11	c 35	N78-18390 * #
US-PATENT-CLASS-60-730	c 05	N81-26114 * #	US-PATENT-CLASS-62-514	c 23	N71-26654 *	US-PATENT-CLASS-73-1B	c 35	N76-24523 *
US-PATENT-CLASS-60-730	c 37	N84-22958 * #	US-PATENT-CLASS-62-51	c 15	N72-17453 * #	US-PATENT-CLASS-73-1B	c 35	N84-28019 * #
US-PATENT-CLASS-60-733	c 07	N80-26298 * #	US-PATENT-CLASS-62-55 5	c 11	N71-24984 *	US-PATENT-CLASS-73-1DV	c 14	N73-27379 * #
US-PATENT-CLASS-60-736	c 37	N84-22958 * #	US-PATENT-CLASS-62-55 5	c 15	N72-22484 * #	US-PATENT-CLASS-73-1F	c 35	N74-21019 * #
US-PATENT-CLASS-60-737	c 07	N81-29129 * #	US-PATENT-CLASS-62-55	c 15	N70-38020 * #	US-PATENT-CLASS-73-1R	c 14	N71-29134 *
US-PATENT-CLASS-60-746	c 07	N80-26298 * #	US-PATENT-CLASS-62-55	c 34	N77-30399 * #	US-PATENT-CLASS-73-1R	c 35	N75-15932 * #
US-PATENT-CLASS-60-748	c 07	N85-35195 * #	US-PATENT-CLASS-62-56	c 05	N72-11084 *	US-PATENT-CLASS-73-1R	c 35	N76-15432 * #
US-PATENT-CLASS-60-757	c 07	N84-24577 * #	US-PATENT-CLASS-62-62	c 34	N83-34221 * #	US-PATENT-CLASS-73-100	c 15	N70-41993 * #
US-PATENT-CLASS-60-836	c 24	N78-14096 * #	US-PATENT-CLASS-62-6	c 15	N69-23190 * #	US-PATENT-CLASS-73-100	c 32	N72-25877 * #
US-PATENT-CLASS-60-97	c 03	N71-12260 * #	US-PATENT-CLASS-62-6	c 23	N71-15467 *	US-PATENT-CLASS-73-103	c 15	N71-17696 *
US-PATENT-CLASS-604-114	c 52	N83-27577 * #	US-PATENT-CLASS-62-6	c 15	N71-23025 *	US-PATENT-CLASS-73-103	c 14	N72-27412 * #
US-PATENT-CLASS-604-151	c 52	N83-27577 * #	US-PATENT-CLASS-62-6	c 23	N72-25619 * #	US-PATENT-CLASS-73-103	c 14	N73-32923 *
US-PATENT-CLASS-604-280	c 52	N83-21785 * #	US-PATENT-CLASS-62-6	c 37	N76-29590 * #	US-PATENT-CLASS-73-103	c 35	N76-18400 * #
US-PATENT-CLASS-604-368	c 54	N84-11758 * #	US-PATENT-CLASS-62-6	c 44	N76-29701 * #	US-PATENT-CLASS-73-104	c 35	N74-32879 * #
US-PATENT-CLASS-604-378	c 54	N84-11758 * #	US-PATENT-CLASS-62-6	c 44	N83-28574 * #	US-PATENT-CLASS-73-105	c 14	N70-34161 * #
US-PATENT-CLASS-604-396	c 54	N84-11758 * #	US-PATENT-CLASS-62-6	c 31	N85-21404 * #	US-PATENT-CLASS-73-105	c 14	N71-17586 *
US-PATENT-CLASS-604-8	c 52	N83-21785 * #	US-PATENT-CLASS-62-78	c 51	N79-10694 * #	US-PATENT-CLASS-73-115	c 35	N79-14345 * #
US-PATENT-CLASS-61-83	c 18	N74-22136 * #	US-PATENT-CLASS-62-7	c 15	N73-12486 * #	US-PATENT-CLASS-73-115	c 07	N84-22559 * #
US-PATENT-CLASS-62-DIG 1	c 34	N84-22903 * #	US-PATENT-CLASS-62-80	c 23	N72-25619 * #	US-PATENT-CLASS-73-116	c 11	N70-33278 *
US-PATENT-CLASS-62-DIG 5	c 05	N81-26114 * #	US-PATENT-CLASS-62-85	c 23	N72-25619 * #	US-PATENT-CLASS-73-116	c 11	N70-34844 * #
US-PATENT-CLASS-62-100	c 34	N77-19353 * #	US-PATENT-CLASS-62-89	c 05	N73-26071 * #	US-PATENT-CLASS-73-116	c 14	N70-40203 * #
US-PATENT-CLASS-62-100	c 28	N78-24365 * #	US-PATENT-CLASS-62-93	c 15	N69-21465 * #	US-PATENT-CLASS-73-116	c 11	N70-41677 * #
US-PATENT-CLASS-62-121	c 34	N77-19353 * #	US-PATENT-CLASS-62-93	c 03	N72-28025 * #	US-PATENT-CLASS-73-116	c 11	N71-10604 *
US-PATENT-CLASS-62-128	c 35	N84-28018 * #	US-PATENT-CLASS-62-93	c 77	N75-20139 * #	US-PATENT-CLASS-73-116	c 31	N71-15643 *
US-PATENT-CLASS-62-129	c 31	N76-14284 * #	US-PATENT-CLASS-64-18	c 15	N71-28467 *	US-PATENT-CLASS-73-117 1	c 11	N72-27262 * #
US-PATENT-CLASS-62-12	c 28	N81-14103 * #	US-PATENT-CLASS-64-27	c 15	N71-28959 *	US-PATENT-CLASS-73-117 4	c 09	N84-27749 * #
US-PATENT-CLASS-62-148	c 44	N82-26776 * #	US-PATENT-CLASS-64-28	c 15	N69-27505 * #	US-PATENT-CLASS-73-117 4	c 14	N71-20429 *
US-PATENT-CLASS-62-15	c 06	N70-34946 * #	US-PATENT-CLASS-65-DIG 11	c 37	N74-21063 * #	US-PATENT-CLASS-73-117 4	c 28	N71-27094 *
US-PATENT-CLASS-62-176	c 05	N73-26071 * #	US-PATENT-CLASS-65-DIG 4	c 71	N78-10837 * #	US-PATENT-CLASS-73-117 4	c 35	N75-29382 * #
US-PATENT-CLASS-62-18	c 28	N81-14103 * #	US-PATENT-CLASS-65-DIG 7	c 71	N78-10837 * #	US-PATENT-CLASS-73-117	c 14	N71-22965 *
US-PATENT-CLASS-62-207	c 05	N73-26071 * #	US-PATENT-CLASS-65-102	c 71	N78-10837 * #	US-PATENT-CLASS-73-12	c 14	N71-23225 *
US-PATENT-CLASS-62-209	c 05	N73-26071 * #	US-PATENT-CLASS-65-108	c 35	N77-24455 * #	US-PATENT-CLASS-73-12	c 14	N71-26161 *
US-PATENT-CLASS-62-217	c 31	N77-10229 * #	US-PATENT-CLASS-65-134	c 71	N83-35781 * #	US-PATENT-CLASS-73-12	c 14	N72-16282 * #
US-PATENT-CLASS-62-235 1	c 44	N82-26776 * #	US-PATENT-CLASS-65-142	c 31	N81-33319 * #	US-PATENT-CLASS-73-12	c 14	N72-25411 * #
US-PATENT-CLASS-62-238 3	c 44	N82-26776 * #	US-PATENT-CLASS-65-142	c 27	N82-28442 * #	US-PATENT-CLASS-73-12	c 14	N73-32327 * #
US-PATENT-CLASS-62-239	c 44	N82-26776 * #	US-PATENT-CLASS-65-142	c 31	N83-31896 * #	US-PATENT-CLASS-73-12	c 35	N74-21062 * #
US-PATENT-CLASS-62-244	c 44	N82-26776 * #	US-PATENT-CLASS-65-142	c 31	N83-35176 * #	US-PATENT-CLASS-73-12	c 35	N75-33367 * #
US-PATENT-CLASS-62-259	c 05	N73-20137 * #	US-PATENT-CLASS-65-142	c 71	N84-28568 * #	US-PATENT-CLASS-73-12	c 75	N76-14931 * #
US-PATENT-CLASS-62-259	c 05	N73-26071 * #	US-PATENT-CLASS-65-160	c 71	N84-28568 * #	US-PATENT-CLASS-73-12	c 35	N77-18417 * #
US-PATENT-CLASS-62-259	c 54	N78-32721 * #	US-PATENT-CLASS-65-21 3	c 31	N83-35176 * #	US-PATENT-CLASS-73-12	c 43	N79-25443 * #
US-PATENT-CLASS-62-264	c 14	N84-22903 * #	US-PATENT-CLASS-65-21 3	c 71	N84-28568 * #	US-PATENT-CLASS-73-12	c 43	N80-14423 *
US-PATENT-CLASS-62-268	c 34	N71-20427 * #	US-PATENT-CLASS-65-21 4	c 31	N81-33319 * #	US-PATENT-CLASS-73-12	c 43	N80-23711 * #
US-PATENT-CLASS-62-268	c 34	N79-20336 * #	US-PATENT-CLASS-65-21 4	c 27	N82-28442 * #	US-PATENT-CLASS-73-12	c 37	N84-33807 * #
US-PATENT-CLASS-62-269	c 34	N77-19353 * #	US-PATENT-CLASS-65-21 4	c 31	N83-35176 * #	US-PATENT-CLASS-73-133R	c 35	N77-14407 * #
US-PATENT-CLASS-62-285	c 77	N75-20139 * #	US-PATENT-CLASS-65-21 4	c 71	N84-28568 * #	US-PATENT-CLASS-73-133	c 14	N71-23725 *
US-PATENT-CLASS-62-288	c 77	N75-20139 * #	US-PATENT-CLASS-65-213	c 71	N84-16940 * #	US-PATENT-CLASS-73-133	c 15	N72-22482 * #
US-PATENT-CLASS-62-289	c 77	N75-20139 * #	US-PATENT-CLASS-65-214	c 31	N83-31896 * #	US-PATENT-CLASS-73-134	c 14	N70-40201 * #
US-PATENT-CLASS-62-290	c 77	N75-20139 * #	US-PATENT-CLASS-65-22	c 31	N81-33319 * #	US-PATENT-CLASS-73-136R	c 15	N72-26371 * #
US-PATENT-CLASS-62-295	c 35	N83-32026 * #	US-PATENT-CLASS-65-22	c 27	N82-28442 * #	US-PATENT-CLASS-73-136	c 14	N70-34818 * #
US-PATENT-CLASS-62-2	c 15	N71-15906 * #	US-PATENT-CLASS-65-22	c 31	N83-31896 * #	US-PATENT-CLASS-73-140	c 11	N72-25288 *
US-PATENT-CLASS-62-315	c 34	N77-19353 * #	US-PATENT-CLASS-65-22	c 31	N83-35176 * #	US-PATENT-CLASS-73-141AB	c 14	N72-33377 * #
US-PATENT-CLASS-62-317	c 77	N75-20139 * #	US-PATENT-CLASS-65-2	c 71	N78-10837 * #	US-PATENT-CLASS-73-141A	c 14	N72-21405 *
US-PATENT-CLASS-62-376	c 31	N78-17237 * #	US-PATENT-CLASS-65-30R	c 27	N78-32260 * #	US-PATENT-CLASS-73-141A	c 14	N72-22437 * #
US-PATENT-CLASS-62-376	c 34							

US-PATENT-CLASS-73-141	c 26	N71-25490 *	US-PATENT-CLASS-73-178R	c 18	N81-29152 * #	US-PATENT-CLASS-73-341	c 14	N71-15598 * #
US-PATENT-CLASS-73-142	c 15	N70-40180 * #	US-PATENT-CLASS-73-178R	c 06	N82-16075 * #	US-PATENT-CLASS-73-341	c 44	N82-16474 * #
US-PATENT-CLASS-73-142	c 14	N71-20439 * #	US-PATENT-CLASS-73-178R	c 06	N83-10040 * #	US-PATENT-CLASS-73-343R	c 52	N77-10780 * #
US-PATENT-CLASS-73-143	c 35	N75-19615 * #	US-PATENT-CLASS-73-178R	c 06	N84-27733 * #	US-PATENT-CLASS-73-343R	c 35	N80-18357 * #
US-PATENT-CLASS-73-143	c 14	N75-24794 * #	US-PATENT-CLASS-73-178	c 14	N70-36807 * #	US-PATENT-CLASS-73-343	c 33	N71-16356 * #
US-PATENT-CLASS-73-144	c 15	N71-22878 * #	US-PATENT-CLASS-73-178	c 14	N70-40157 * #	US-PATENT-CLASS-73-343	c 11	N71-21475 * #
US-PATENT-CLASS-73-147	c 11	N70-33287 * #	US-PATENT-CLASS-73-179	c 34	N85-21568 * #	US-PATENT-CLASS-73-355R	c 14	N72-24477 * #
US-PATENT-CLASS-73-147	c 14	N70-33386 * #	US-PATENT-CLASS-73-17	c 06	N71-24607 * #	US-PATENT-CLASS-73-355R	c 35	N80-18359 * #
US-PATENT-CLASS-73-147	c 14	N70-34813 * #	US-PATENT-CLASS-73-180	c 35	N78-14364 * #	US-PATENT-CLASS-73-355	c 14	N71-27323 * #
US-PATENT-CLASS-73-147	c 11	N70-36913 * #	US-PATENT-CLASS-73-180	c 02	N80-28300 * #	US-PATENT-CLASS-73-355	c 14	N72-28437 * #
US-PATENT-CLASS-73-147	c 14	N70-40400 * #	US-PATENT-CLASS-73-182	c 14	N73-13415 * #	US-PATENT-CLASS-73-356	c 35	N75-25122 * #
US-PATENT-CLASS-73-147	c 14	N70-41366 * #	US-PATENT-CLASS-73-182	c 35	N74-32878 * #	US-PATENT-CLASS-73-35	c 33	N72-27959 * #
US-PATENT-CLASS-73-147	c 11	N71-15926 * #	US-PATENT-CLASS-73-182	c 35	N76-14429 * #	US-PATENT-CLASS-73-361	c 35	N81-26431 * #
US-PATENT-CLASS-73-147	c 09	N71-16086 * #	US-PATENT-CLASS-73-182	c 02	N80-28300 * #	US-PATENT-CLASS-73-362AR	c 35	N77-27368 * #
US-PATENT-CLASS-73-147	c 12	N71-20436 * #	US-PATENT-CLASS-73-187	c 35	N85-20295 * #	US-PATENT-CLASS-73-379	c 05	N73-27941 * #
US-PATENT-CLASS-73-147	c 09	N71-20816 * #	US-PATENT-CLASS-73-188	c 06	N80-18036 * #	US-PATENT-CLASS-73-379	c 05	N73-30078 * #
US-PATENT-CLASS-73-147	c 11	N71-21481 * #	US-PATENT-CLASS-73-189	c 20	N71-16281 * #	US-PATENT-CLASS-73-379	c 35	N75-15932 * #
US-PATENT-CLASS-73-147	c 11	N71-23030 * #	US-PATENT-CLASS-73-189	c 02	N71-23030 * #	US-PATENT-CLASS-73-379	c 39	N83-20280 * #
US-PATENT-CLASS-73-147	c 15	N71-27006 * #	US-PATENT-CLASS-73-189	c 14	N71-23726 * #	US-PATENT-CLASS-73-382	c 10	N71-13537 * #
US-PATENT-CLASS-73-147	c 15	N71-28740 * #	US-PATENT-CLASS-73-189	c 14	N73-13415 * #	US-PATENT-CLASS-73-382	c 14	N70-17587 * #
US-PATENT-CLASS-73-147	c 11	N71-33612 * #	US-PATENT-CLASS-73-189	c 14	N73-25460 * #	US-PATENT-CLASS-73-384	c 15	N71-37925 * #
US-PATENT-CLASS-73-147	c 11	N72-17183 * #	US-PATENT-CLASS-73-189	c 35	N76-24524 * #	US-PATENT-CLASS-73-388	c 35	N74-32878 * #
US-PATENT-CLASS-73-147	c 14	N72-21407 * #	US-PATENT-CLASS-73-189	c 34	N76-27517 * #	US-PATENT-CLASS-73-389	c 12	N71-24692 * #
US-PATENT-CLASS-73-147	c 11	N72-22246 * #	US-PATENT-CLASS-73-189	c 34	N77-27345 * #	US-PATENT-CLASS-73-38	c 18	N71-24934 * #
US-PATENT-CLASS-73-147	c 11	N73-12264 * #	US-PATENT-CLASS-73-189	c 34	N79-12359 * #	US-PATENT-CLASS-73-398AR	c 52	N74-27566 * #
US-PATENT-CLASS-73-147	c 14	N73-13415 * #	US-PATENT-CLASS-73-189	c 06	N80-18036 * #	US-PATENT-CLASS-73-398AR	c 52	N76-29896 * #
US-PATENT-CLASS-73-147	c 12	N73-25262 * #	US-PATENT-CLASS-73-189	c 47	N84-28292 * #	US-PATENT-CLASS-73-398C	c 14	N72-22438 * #
US-PATENT-CLASS-73-147	c 12	N73-28144 * #	US-PATENT-CLASS-73-190H	c 35	N74-22095 * #	US-PATENT-CLASS-73-398C	c 33	N72-21390 * #
US-PATENT-CLASS-73-147	c 09	N74-17955 * #	US-PATENT-CLASS-73-190R	c 34	N74-27859 * #	US-PATENT-CLASS-73-398	c 14	N70-34816 * #
US-PATENT-CLASS-73-147	c 34	N74-27730 * #	US-PATENT-CLASS-73-190R	c 35	N81-19426 * #	US-PATENT-CLASS-73-398	c 14	N71-21072 * #
US-PATENT-CLASS-73-147	c 09	N75-12969 * #	US-PATENT-CLASS-73-190	c 33	N71-15641 * #	US-PATENT-CLASS-73-398	c 09	N71-24597 * #
US-PATENT-CLASS-73-147	c 09	N76-23273 * #	US-PATENT-CLASS-73-190	c 14	N71-22989 * #	US-PATENT-CLASS-73-398	c 14	N73-30394 * #
US-PATENT-CLASS-73-147	c 34	N76-27517 * #	US-PATENT-CLASS-73-190	c 33	N71-23085 * #	US-PATENT-CLASS-73-399	c 37	N76-18454 * #
US-PATENT-CLASS-73-147	c 09	N77-10071 * #	US-PATENT-CLASS-73-190	c 33	N71-29051 * #	US-PATENT-CLASS-73-3	c 34	N74-27730 * #
US-PATENT-CLASS-73-147	c 09	N78-31129 * #	US-PATENT-CLASS-73-194A	c 14	N72-17329 * #	US-PATENT-CLASS-73-4R	c 35	N74-13132 * #
US-PATENT-CLASS-73-147	c 35	N79-14347 * #	US-PATENT-CLASS-73-194EM	c 14	N73-32326 * #	US-PATENT-CLASS-73-4R	c 35	N79-14347 * #
US-PATENT-CLASS-73-147	c 09	N79-21083 * #	US-PATENT-CLASS-73-194EM	c 35	N74-21018 * #	US-PATENT-CLASS-73-4R	c 35	N80-18358 * #
US-PATENT-CLASS-73-147	c 02	N80-20224 * #	US-PATENT-CLASS-73-194E	c 14	N73-20478 * #	US-PATENT-CLASS-73-4V	c 35	N74-15092 * #
US-PATENT-CLASS-73-147	c 06	N81-17057 * #	US-PATENT-CLASS-73-194E	c 05	N73-32015 * #	US-PATENT-CLASS-73-40 5A	c 35	N85-21599 * #
US-PATENT-CLASS-73-147	c 09	N82-11088 * #	US-PATENT-CLASS-73-194F	c 14	N72-11365 * #	US-PATENT-CLASS-73-40 5	c 14	N71-10779 * #
US-PATENT-CLASS-73-147	c 09	N82-23254 * #	US-PATENT-CLASS-73-194M	c 05	N73-32015 * #	US-PATENT-CLASS-73-40 7	c 15	N71-24910 * #
US-PATENT-CLASS-73-147	c 71	N83-17235 * #	US-PATENT-CLASS-73-194M	c 35	N75-30503 * #	US-PATENT-CLASS-73-40 7	c 14	N71-28992 * #
US-PATENT-CLASS-73-147	c 44	N83-21503 * #	US-PATENT-CLASS-73-194R	c 34	N76-27517 * #	US-PATENT-CLASS-73-40 7	c 35	N74-32879 * #
US-PATENT-CLASS-73-147	c 44	N83-21504 * #	US-PATENT-CLASS-73-194VS	c 34	N79-12359 * #	US-PATENT-CLASS-73-40 7	c 35	N85-29213 * #
US-PATENT-CLASS-73-147	c 74	N83-21949 * #	US-PATENT-CLASS-73-194	c 14	N70-41994 * #	US-PATENT-CLASS-73-400	c 14	N71-23093 * #
US-PATENT-CLASS-73-147	c 35	N84-22934 * #	US-PATENT-CLASS-73-194	c 14	N71-23226 * #	US-PATENT-CLASS-73-400	c 14	N71-24232 * #
US-PATENT-CLASS-73-147	c 09	N84-34448 * #	US-PATENT-CLASS-73-194	c 12	N71-26546 * #	US-PATENT-CLASS-73-400	c 35	N79-33450 * #
US-PATENT-CLASS-73-147	c 09	N85-21178 * #	US-PATENT-CLASS-73-195	c 35	N75-30503 * #	US-PATENT-CLASS-73-401	c 14	N70-34820 * #
US-PATENT-CLASS-73-149	c 14	N72-11363 * #	US-PATENT-CLASS-73-198	c 14	N69-24257 * #	US-PATENT-CLASS-73-40	c 35	N75-15931 * #
US-PATENT-CLASS-73-149	c 52	N74-10975 * #	US-PATENT-CLASS-73-198	c 14	N72-17327 * #	US-PATENT-CLASS-73-40	c 35	N80-18358 * #
US-PATENT-CLASS-73-15 4	c 14	N71-17659 * #	US-PATENT-CLASS-73-1	c 10	N71-13545 * #	US-PATENT-CLASS-73-419	c 14	N71-22752 * #
US-PATENT-CLASS-73-15 4	c 35	N74-32879 * #	US-PATENT-CLASS-73-1	c 09	N71-22988 * #	US-PATENT-CLASS-73-420	c 35	N74-13132 * #
US-PATENT-CLASS-73-15 6	c 14	N70-35368 * #	US-PATENT-CLASS-73-204	c 12	N71-17569 * #	US-PATENT-CLASS-73-421 5R	c 13	N72-25323 * #
US-PATENT-CLASS-73-15 6	c 14	N71-24234 * #	US-PATENT-CLASS-73-204	c 35	N76-24524 * #	US-PATENT-CLASS-73-421 5R	c 14	N73-30395 * #
US-PATENT-CLASS-73-15 6	c 14	N71-26136 * #	US-PATENT-CLASS-73-204	c 35	N77-20400 * #	US-PATENT-CLASS-73-421 5R	c 52	N74-20728 * #
US-PATENT-CLASS-73-15 6	c 32	N72-25877 * #	US-PATENT-CLASS-73-204	c 52	N83-27577 * #	US-PATENT-CLASS-73-421 5R	c 35	N76-18401 * #
US-PATENT-CLASS-73-15 6	c 09	N74-19528 * #	US-PATENT-CLASS-73-205L	c 02	N80-20224 * #	US-PATENT-CLASS-73-421 5R	c 35	N77-32456 * #
US-PATENT-CLASS-73-15 6	c 35	N76-24523 * #	US-PATENT-CLASS-73-212	c 14	N70-36824 * #	US-PATENT-CLASS-73-421 5	c 14	N73-12444 * #
US-PATENT-CLASS-73-15 6	c 35	N77-22450 * #	US-PATENT-CLASS-73-212	c 14	N73-13415 * #	US-PATENT-CLASS-73-421R	c 54	N76-14804 * #
US-PATENT-CLASS-73-15 6	c 39	N78-10493 * #	US-PATENT-CLASS-73-212	c 35	N76-14429 * #	US-PATENT-CLASS-73-422GC	c 13	N72-25323 * #
US-PATENT-CLASS-73-15R	c 33	N72-25913 * #	US-PATENT-CLASS-73-212	c 06	N80-18036 * #	US-PATENT-CLASS-73-422TC	c 13	N72-25323 * #
US-PATENT-CLASS-73-15R	c 14	N73-28486 * #	US-PATENT-CLASS-73-221	c 35	N75-19611 * #	US-PATENT-CLASS-73-422	c 14	N71-20435 * #
US-PATENT-CLASS-73-15R	c 25	N74-18551 * #	US-PATENT-CLASS-73-228	c 34	N77-27345 * #	US-PATENT-CLASS-73-425 2	c 91	N76-30131 * #
US-PATENT-CLASS-73-15R	c 31	N74-27900 * #	US-PATENT-CLASS-73-23 1	c 06	N69-39936 * #	US-PATENT-CLASS-73-425 4R	c 35	N78-27384 * #
US-PATENT-CLASS-73-15R	c 09	N77-27131 * #	US-PATENT-CLASS-73-23 1	c 06	N72-17094 * #	US-PATENT-CLASS-73-425 6	c 15	N72-21465 * #
US-PATENT-CLASS-73-15R	c 74	N81-17887 * #	US-PATENT-CLASS-73-23 1	c 06	N72-25146 * #	US-PATENT-CLASS-73-432PS	c 76	N75-12810 * #
US-PATENT-CLASS-73-150R	c 35	N84-28018 * #	US-PATENT-CLASS-73-23 1	c 25	N76-18245 * #	US-PATENT-CLASS-73-432PS	c 35	N75-33367 * #
US-PATENT-CLASS-73-155	c 46	N80-10709 * #	US-PATENT-CLASS-73-23	c 23	N77-17161 * #	US-PATENT-CLASS-73-432PS	c 35	N78-18390 * #
US-PATENT-CLASS-73-155	c 46	N80-24906 * #	US-PATENT-CLASS-73-23	c 14	N71-10774 * #	US-PATENT-CLASS-73-432R	c 33	N73-27796 * #
US-PATENT-CLASS-73-159	c 31	N79-11246 * #	US-PATENT-CLASS-73-23	c 05	N71-11202 * #	US-PATENT-CLASS-73-432R	c 14	N73-28487 * #
US-PATENT-CLASS-73-15	c 14	N70-34156 * #	US-PATENT-CLASS-73-23	c 52	N74-20728 * #	US-PATENT-CLASS-73-432R	c 91	N76-30131 * #
US-PATENT-CLASS-73-15	c 14	N71-15992 * #	US-PATENT-CLASS-73-23	c 35	N75-29380 * #	US-PATENT-CLASS-73-432R	c 35	N77-19385 * #
US-PATENT-CLASS-73-15	c 14	N71-22964 * #	US-PATENT-CLASS-73-23	c 25	N78-15210 * #	US-PATENT-CLASS-73-432R	c 35	N78-18390 * #
US-PATENT-CLASS-73-15	c 11	N71-24985 * #	US-PATENT-CLASS-73-23	c 35	N78-19465 * #	US-PATENT-CLASS-73-432R	c 15	N84-16231 * #
US-PATENT-CLASS-73-15	c 11	N71-28629 * #	US-PATENT-CLASS-73-24	c 06	N69-39733 * #	US-PATENT-CLASS-73-432SD	c 11	N72-27262 * #
US-PATENT-CLASS-73-161	c 11	N72-25288 * #	US-PATENT-CLASS-73-28	c 14	N73-27376 * #	US-PATENT-CLASS-73-432SD	c 11	N73-20267 * #
US-PATENT-CLASS-73-167	c 15	N84-16231 * #	US-PATENT-CLASS-73-28	c 14	N73-30395 * #	US-PATENT-CLASS-73-432SD	c 35	N77-18417 * #
US-PATENT-CLASS-73-170A	c 35	N78-27384 * #	US-PATENT-CLASS-73-28	c 35	N76-18401 * #	US-PATENT-CLASS-73-432	c 74	N84-11921 * #
US-PATENT-CLASS-73-170A	c 48	N80-18667 * #	US-PATENT-CLASS-73-28	c 35	N78-18390 * #	US-PATENT-CLASS-73-432	c 11	N70-34786 * #
US-PATENT-CLASS-73-170R	c 07	N73-20175 * #	US-PATENT-CLASS-73-280B	c 14	N72-11363 * #	US-PATENT-CLASS-73-432	c 11	N70-38675 * #
US-PATENT-CLASS-73-170R	c 14	N73-28487 * #	US-PATENT-CLASS-73-290	c 14	N71-10500 * #	US-PATENT-CLASS-73-432	c 05	N70-42000 * #
US-PATENT-CLASS-73-170R	c 14	N73-32327 * #	US-PATENT-CLASS-73-290	c 14	N71-21007 * #	US-PATENT-CLASS-73-432	c 31	N71-16221 * #
US-PATENT-CLASS-73-170R	c 33	N74-27862 * #	US-PATENT-CLASS-73-295	c 23	N71-17102 * #	US-PATENT-CLASS-73-432	c 27	N71-16223 * #
US-PATENT-CLASS-73-170R	c 35	N75-33367 * #	US-PATENT-CLASS-73-295	c 31	N76-14284 * #	US-PATENT-CLASS-73-432	c 30	N71-17788 * #
US-PATENT-CLASS-73-170R	c 91	N76-30131 * #	US-PATENT-CLASS-73-295	c 14	N71-17701 * #	US-PATENT-CLASS-73-432	c 14	N71-23227 * #
US-PATENT-CLASS-73-170R	c 06	N83-10040 * #	US-PATENT-CLASS-73-29	c 14	N71-20741 * #	US-PATENT-CLASS-73-432	c 10	N71-26339 * #
US-PATENT-CLASS-73-170R	c 35	N84-28018 * #	US-PATENT-CLASS-73-301	c 12	N71-26387 * #	US-PATENT-CLASS-73-432	c 11	N71-28629 * #
US-PATENT-CLASS-73-170R	c 14	N71-14996 * #	US-PATENT-CLASS-73-304C	c 14	N71-29134 * #	US-PATENT		

US-PATENT-CLASS-73-49 3	c 14	N71-26672 *	US-PATENT-CLASS-73-71 6	c 14	N71-27185 *	US-PATENT-CLASS-73-97	c 14	N71-15600 *
US-PATENT-CLASS-73-49 8	c 14	N69-27503 * #	US-PATENT-CLASS-73-71 6	c 14	N72-27412 * #	US-PATENT-CLASS-73-99	c 14	N71-10781 * #
US-PATENT-CLASS-73-49 8	c 15	N71-29132 *	US-PATENT-CLASS-73-71 6	c 14	N73-13416 * #	US-PATENT-CLASS-73-9	c 14	N71-22995 *
US-PATENT-CLASS-73-490	c 04	N81-21047 * #	US-PATENT-CLASS-73-71 6	c 14	N73-19421 * #	US-PATENT-CLASS-73-9	c 35	N76-31489 * #
US-PATENT-CLASS-73-492	c 14	N72-25411 * #	US-PATENT-CLASS-73-71 6	c 35	N77-18417 * #	US-PATENT-CLASS-73-9	c 15	N84-16231 * #
US-PATENT-CLASS-73-493	c 17	N76-29347 * #	US-PATENT-CLASS-73-714	c 35	N79-14347 * #	US-PATENT-CLASS-74-100R	c 37	N78-31426 * #
US-PATENT-CLASS-73-497	c 14	N71-30265 *	US-PATENT-CLASS-73-714	c 34	N79-24285 * #	US-PATENT-CLASS-74-100	c 15	N71-24045 *
US-PATENT-CLASS-73-497	c 35	N74-15094 * #	US-PATENT-CLASS-73-714	c 35	N84-14491 * #	US-PATENT-CLASS-74-105	c 09	N72-22195 *
US-PATENT-CLASS-73-4	c 14	N71-18481 *	US-PATENT-CLASS-73-721	c 35	N79-14347 * #	US-PATENT-CLASS-74-110	c 44	N83-14693 * #
US-PATENT-CLASS-73-4	c 14	N71-23036 *	US-PATENT-CLASS-73-721	c 35	N84-22934 * #	US-PATENT-CLASS-74-126	c 15	N71-21529 *
US-PATENT-CLASS-73-4	c 14	N71-23755 *	US-PATENT-CLASS-73-724	c 32	N79-24203 * #	US-PATENT-CLASS-74-18 1	c 37	N82-24493 * #
US-PATENT-CLASS-73-4	c 14	N73-30390 * #	US-PATENT-CLASS-73-724	c 52	N80-18691 * #	US-PATENT-CLASS-74-18 2	c 11	N71-27036 * #
US-PATENT-CLASS-73-504	c 04	N81-21047 * #	US-PATENT-CLASS-73-724	c 33	N82-26572 * #	US-PATENT-CLASS-74-18 2	c 37	N82-24493 * #
US-PATENT-CLASS-73-505	c 23	N71-16098 *	US-PATENT-CLASS-73-753	c 35	N85-21597 * #	US-PATENT-CLASS-74-217R	c 37	N74-23070 *
US-PATENT-CLASS-73-505	c 12	N75-24774 * #	US-PATENT-CLASS-73-756	c 35	N78-24515 * #	US-PATENT-CLASS-74-2	c 15	N71-24600 *
US-PATENT-CLASS-73-505	c 71	N78-10837 * #	US-PATENT-CLASS-73-756	c 35	N79-14347 * #	US-PATENT-CLASS-74-2	c 31	N73-14855 * #
US-PATENT-CLASS-73-505	c 71	N79-20827 * #	US-PATENT-CLASS-73-756	c 35	N84-22934 * #	US-PATENT-CLASS-74-384	c 37	N76-15457 * #
US-PATENT-CLASS-73-505	c 71	N81-15767 * #	US-PATENT-CLASS-73-75	c 35	N85-34373 * #	US-PATENT-CLASS-74-385	c 07	N78-17056 * #
US-PATENT-CLASS-73-505	c 71	N83-32515 * #	US-PATENT-CLASS-73-761	c 33	N83-16626 * #	US-PATENT-CLASS-74-409	c 15	N71-21744 *
US-PATENT-CLASS-73-505	c 71	N83-32516 * #	US-PATENT-CLASS-73-76	c 06	N72-17095 * #	US-PATENT-CLASS-74-417	c 07	N78-17056 * #
US-PATENT-CLASS-73-505	c 71	N83-36846 * #	US-PATENT-CLASS-73-770	c 39	N79-22537 * #	US-PATENT-CLASS-74-417	c 37	N81-14318 * #
US-PATENT-CLASS-73-505	c 71	N84-23233 * #	US-PATENT-CLASS-73-781	c 52	N80-27072 * #	US-PATENT-CLASS-74-417	c 37	N81-17432 * #
US-PATENT-CLASS-73-505	c 71	N85-22105 * #	US-PATENT-CLASS-73-79	c 14	N71-26161 *	US-PATENT-CLASS-74-424 8B	c 37	N85-20338 * #
US-PATENT-CLASS-73-505	c 71	N85-29693 * #	US-PATENT-CLASS-73-810	c 39	N79-22537 * #	US-PATENT-CLASS-74-424 8VA	c 37	N75-15050 * #
US-PATENT-CLASS-73-510	c 18	N81-29152 * #	US-PATENT-CLASS-73-818	c 35	N83-21312 * #	US-PATENT-CLASS-74-424 8VA	c 37	N85-20338 * #
US-PATENT-CLASS-73-515	c 14	N72-25410 * #	US-PATENT-CLASS-73-818	c 39	N83-32081 * #	US-PATENT-CLASS-74-424 8	c 15	N71-26635 *
US-PATENT-CLASS-73-517B	c 35	N74-15094 * #	US-PATENT-CLASS-73-81	c 14	N73-32321 * #	US-PATENT-CLASS-74-425	c 37	N80-32716 * #
US-PATENT-CLASS-73-517R	c 17	N76-29347 * #	US-PATENT-CLASS-73-822	c 39	N83-32081 * #	US-PATENT-CLASS-74-436	c 37	N75-13266 * #
US-PATENT-CLASS-73-517	c 11	N70-38196 * #	US-PATENT-CLASS-73-82	c 43	N79-25443 * #	US-PATENT-CLASS-74-468	c 15	N71-24984 *
US-PATENT-CLASS-73-517	c 14	N70-41682 * #	US-PATENT-CLASS-73-82	c 43	N80-14423 * #	US-PATENT-CLASS-74-469	c 15	N72-21463 * #
US-PATENT-CLASS-73-517	c 14	N71-15969 *	US-PATENT-CLASS-73-82	c 43	N80-23711 * #	US-PATENT-CLASS-74-469	c 15	N72-28495 * #
US-PATENT-CLASS-73-521	c 14	N72-25410 * #	US-PATENT-CLASS-73-831	c 35	N85-34375 * #	US-PATENT-CLASS-74-471XY	c 54	N75-27760 *
US-PATENT-CLASS-73-557	c 35	N75-19614 * #	US-PATENT-CLASS-73-833	c 24	N84-27829 * #	US-PATENT-CLASS-74-471	c 05	N70-41581 * #
US-PATENT-CLASS-73-557	c 07	N76-27232 * #	US-PATENT-CLASS-73-84	c 14	N71-22765 *	US-PATENT-CLASS-74-471	c 03	N70-42073 * #
US-PATENT-CLASS-73-56	c 35	N80-18357 * #	US-PATENT-CLASS-73-84	c 14	N73-19420 * #	US-PATENT-CLASS-74-471	c 15	N71-20740 *
US-PATENT-CLASS-73-579	c 39	N78-15512 * #	US-PATENT-CLASS-73-84	c 35	N77-27367 * #	US-PATENT-CLASS-74-479	c 08	N82-24205 * #
US-PATENT-CLASS-73-579	c 35	N79-10390 * #	US-PATENT-CLASS-73-856	c 39	N83-32081 * #	US-PATENT-CLASS-74-480R	c 05	N75-12930 *
US-PATENT-CLASS-73-579	c 33	N83-16626 * #	US-PATENT-CLASS-73-856	c 24	N84-27829 * #	US-PATENT-CLASS-74-480R	c 08	N82-24205 * #
US-PATENT-CLASS-73-579	c 27	N85-20126 * #	US-PATENT-CLASS-73-856	c 35	N85-34375 * #	US-PATENT-CLASS-74-5 12	c 31	N71-26537 * #
US-PATENT-CLASS-73-57	c 14	N71-17584 *	US-PATENT-CLASS-73-85	c 14	N72-33377 * #	US-PATENT-CLASS-74-5 22	c 21	N73-13644 * #
US-PATENT-CLASS-73-57	c 14	N73-14429 * #	US-PATENT-CLASS-73-860	c 39	N83-32081 * #	US-PATENT-CLASS-74-5 34	c 04	N76-26175 *
US-PATENT-CLASS-73-582	c 27	N85-20126 * #	US-PATENT-CLASS-73-861 05	c 33	N83-31954 * #	US-PATENT-CLASS-74-5 34	c 06	N83-33882 * #
US-PATENT-CLASS-73-588	c 37	N84-33807 * #	US-PATENT-CLASS-73-861 65	c 02	N80-28300 * #	US-PATENT-CLASS-74-5 47	c 21	N71-23289 *
US-PATENT-CLASS-73-588	c 27	N85-20126 * #	US-PATENT-CLASS-73-861 66	c 02	N80-28300 * #	US-PATENT-CLASS-74-5 5	c 35	N74-28097 * #
US-PATENT-CLASS-73-589	c 35	N79-10390 * #	US-PATENT-CLASS-73-861 71	c 47	N84-28292 * #	US-PATENT-CLASS-74-5 5	c 37	N84-28082 * #
US-PATENT-CLASS-73-589	c 35	N84-22933 * #	US-PATENT-CLASS-73-861	c 34	N81-26402 * #	US-PATENT-CLASS-74-5 6D	c 33	N85-29142 * #
US-PATENT-CLASS-73-594	c 35	N84-22933 * #	US-PATENT-CLASS-73-862 08	c 54	N82-26987 * #	US-PATENT-CLASS-74-5 6	c 35	N74-15094 *
US-PATENT-CLASS-73-597	c 33	N83-16626 * #	US-PATENT-CLASS-73-862 54	c 37	N83-36482 * #	US-PATENT-CLASS-74-5 7	c 35	N74-18323 * #
US-PATENT-CLASS-73-597	c 52	N83-27578 * #	US-PATENT-CLASS-73-862 54	c 35	N85-20294 * #	US-PATENT-CLASS-74-5 7	c 15	N76-14158 *
US-PATENT-CLASS-73-603	c 38	N78-32447 * #	US-PATENT-CLASS-73-862 65	c 35	N84-28015 * #	US-PATENT-CLASS-74-5F	c 15	N73-12488 *
US-PATENT-CLASS-73-60	c 14	N73-14429 * #	US-PATENT-CLASS-73-863 11	c 35	N83-29650 * #	US-PATENT-CLASS-74-501R	c 15	N72-22485 * #
US-PATENT-CLASS-73-61 1C	c 23	N77-17161 * #	US-PATENT-CLASS-73-863 11	c 37	N85-29286 * #	US-PATENT-CLASS-74-515E	c 54	N78-17676 * #
US-PATENT-CLASS-73-61R	c 35	N78-27384 * #	US-PATENT-CLASS-73-863 31	c 45	N83-25217 * #	US-PATENT-CLASS-74-519	c 03	N70-41954 *
US-PATENT-CLASS-73-61	c 14	N71-26199 *	US-PATENT-CLASS-73-863 83	c 45	N83-25217 * #	US-PATENT-CLASS-74-519	c 05	N81-19087 * #
US-PATENT-CLASS-73-620	c 35	N84-22928 * #	US-PATENT-CLASS-73-863 86	c 35	N85-29213 * #	US-PATENT-CLASS-74-572	c 07	N78-33101 * #
US-PATENT-CLASS-73-626	c 52	N79-26771 * #	US-PATENT-CLASS-73-864 41	c 35	N84-28018 * #	US-PATENT-CLASS-74-572	c 37	N79-10422 * #
US-PATENT-CLASS-73-629	c 33	N83-16626 * #	US-PATENT-CLASS-73-864 52	c 35	N85-29213 * #	US-PATENT-CLASS-74-572	c 44	N79-14527 * #
US-PATENT-CLASS-73-630	c 39	N78-15512 * #	US-PATENT-CLASS-73-864 63	c 45	N83-25217 * #	US-PATENT-CLASS-74-572	c 24	N81-29163 * #
US-PATENT-CLASS-73-632	c 38	N79-14398 * #	US-PATENT-CLASS-73-864 81	c 37	N85-29286 * #	US-PATENT-CLASS-74-573R	c 37	N84-28082 * #
US-PATENT-CLASS-73-633	c 52	N79-14751 * #	US-PATENT-CLASS-73-86	c 14	N69-39975 * #	US-PATENT-CLASS-74-586	c 37	N79-14382 * #
US-PATENT-CLASS-73-633	c 35	N84-22928 * #	US-PATENT-CLASS-73-86	c 33	N71-21586 *	US-PATENT-CLASS-74-58	c 35	N84-22928 * #
US-PATENT-CLASS-73-64 4	c 34	N83-31993 * #	US-PATENT-CLASS-73-86	c 33	N73-27796 * #	US-PATENT-CLASS-74-594 6	c 37	N74-18127 * #
US-PATENT-CLASS-73-641	c 38	N79-14398 * #	US-PATENT-CLASS-73-86	c 34	N74-15652 * #	US-PATENT-CLASS-74-594 7	c 37	N74-18127 * #
US-PATENT-CLASS-73-644	c 38	N79-14398 * #	US-PATENT-CLASS-73-88 5R	c 15	N72-17452 * #	US-PATENT-CLASS-74-63	c 15	N71-17692 * #
US-PATENT-CLASS-73-644	c 52	N79-14751 * #	US-PATENT-CLASS-73-88 5R	c 32	N73-26910 * #	US-PATENT-CLASS-74-661	c 37	N80-32716 * #
US-PATENT-CLASS-73-646	c 71	N78-14867 * #	US-PATENT-CLASS-73-88 5R	c 52	N74-27864 * #	US-PATENT-CLASS-74-665B	c 37	N76-15457 * #
US-PATENT-CLASS-73-646	c 35	N84-12445 * #	US-PATENT-CLASS-73-88 5R	c 35	N76-14430 * #	US-PATENT-CLASS-74-665C	c 37	N80-32716 * #
US-PATENT-CLASS-73-647	c 32	N79-24203 * #	US-PATENT-CLASS-73-88 5SD	c 33	N76-19338 * #	US-PATENT-CLASS-74-674	c 37	N79-20377 * #
US-PATENT-CLASS-73-655	c 35	N80-14371 * #	US-PATENT-CLASS-73-88 5	c 14	N70-34705 * #	US-PATENT-CLASS-74-675	c 37	N74-27901 * #
US-PATENT-CLASS-73-657	c 35	N85-30282 * #	US-PATENT-CLASS-73-88 5	c 14	N70-34799 * #	US-PATENT-CLASS-74-705	c 37	N79-20377 * #
US-PATENT-CLASS-73-658	c 35	N84-12445 * #	US-PATENT-CLASS-73-88 5	c 14	N71-17656 *	US-PATENT-CLASS-74-710	c 37	N74-27901 * #
US-PATENT-CLASS-73-65	c 14	N71-22992 *	US-PATENT-CLASS-73-88 5	c 14	N71-21091 *	US-PATENT-CLASS-74-753	c 37	N84-28084 * #
US-PATENT-CLASS-73-661	c 35	N80-14371 * #	US-PATENT-CLASS-73-88 5	c 14	N71-23087 *	US-PATENT-CLASS-74-758	c 37	N84-28084 * #
US-PATENT-CLASS-73-67 1	c 35	N75-12271 * #	US-PATENT-CLASS-73-88 5	c 14	N71-24233 * #	US-PATENT-CLASS-74-764	c 37	N79-20377 * #
US-PATENT-CLASS-73-67 2	c 11	N69-21540 * #	US-PATENT-CLASS-73-88 5	c 09	N72-22200 * #	US-PATENT-CLASS-74-800	c 37	N78-17385 * #
US-PATENT-CLASS-73-67 2	c 15	N71-18132 *	US-PATENT-CLASS-73-88 5	c 33	N75-31329 * #	US-PATENT-CLASS-74-812	c 37	N84-28084 * #
US-PATENT-CLASS-73-67 2	c 14	N72-22440 * #	US-PATENT-CLASS-73-88 5	c 38	N76-28563 * #	US-PATENT-CLASS-74-81	c 37	N78-16369 * #
US-PATENT-CLASS-73-67 2	c 35	N78-17358 * #	US-PATENT-CLASS-73-88A	c 32	N73-20740 * #	US-PATENT-CLASS-74-820	c 37	N75-13266 * #
US-PATENT-CLASS-73-67 2	c 32	N73-26910 * #	US-PATENT-CLASS-73-88F	c 39	N78-15512 * #	US-PATENT-CLASS-74-83	c 37	N78-16369 * #
US-PATENT-CLASS-73-67 5R	c 38	N74-15395 * #	US-PATENT-CLASS-73-88R	c 35	N74-13129 * #	US-PATENT-CLASS-74-89 15	c 15	N71-26635 *
US-PATENT-CLASS-73-67 7	c 39	N77-28511 * #	US-PATENT-CLASS-73-88R	c 35	N77-22449 * #	US-PATENT-CLASS-74-89 15	c 15	N72-21462 * #
US-PATENT-CLASS-73-67 8S	c 35	N74-10415 * #	US-PATENT-CLASS-73-88R	c 39	N77-28511 * #	US-PATENT-CLASS-74-89 18	c 15	N71-23809 *
US-PATENT-CLASS-73-67 8S	c 38	N74-15130 * #	US-PATENT-CLASS-73-88	c 32	N71-17645 *	US-PATENT-CLASS-74-89	c 37	N81-33483 * #
US-PATENT-CLASS-73-67 9	c 52	N74-20726 * #	US-PATENT-CLASS-73-90	c 32	N70-42003 * #	US-PATENT-CLASS-74-96	c 37	N77-22482 * #
US-PATENT-CLASS-73-683 31	c 35	N81-29407 * #	US-PATENT-CLASS-73-90	c 32	N71-25360 *	US-PATENT-CLASS-75- 5B	c 17	N72-22530 * #
US-PATENT-CLASS-73-684 52	c 35	N81-29407 * #	US-PATENT-CLASS-73-90	c 14	N73-20476 * #	US-PATENT-CLASS-75-DIG 1	c 18	N72-25539 * #
US-PATENT-CLASS-73-69	c 71	N74-31148 * #	US-PATENT-CLASS-73-91	c 14	N73-20476 * #	US-PATENT-CLASS-75-DIG 1	c 37	N75-26371 * #
US-PATENT-CLASS-73-70 2	c 14	N71-10616 * #	US-PATENT-CLASS-73-91	c 32	N73-26910 * #	US-PATENT-CLASS-75-0 5BB	c 15	N72-25448 * #
US-PATENT-CLASS-73-705								

US-PATENT-CLASS-75-135	c 18	N73-32437 *	#	US-PATENT-CLASS-83-522	c 15	N72-27485 *	#	US-PATENT-CLASS-95-53	c 15	N71-21060 *
US-PATENT-CLASS-75-135	c 24	N77-27187 *	#	US-PATENT-CLASS-83-562	c 15	N72-27485 *	#	US-PATENT-CLASS-95-58	c 14	N70-40273 *
US-PATENT-CLASS-75-135	c 26	N80-23419 *	#	US-PATENT-CLASS-83-563	c 15	N72-27485 *	#	US-PATENT-CLASS-95-59	c 14	N73-14427 *
US-PATENT-CLASS-75-138	c 26	N80-23419 *	#	US-PATENT-CLASS-83-588	c 15	N72-27485 *	#	US-PATENT-CLASS-95-89R	c 35	N74-15831 *
US-PATENT-CLASS-75-139	c 24	N77-27187 *	#	US-PATENT-CLASS-83-602	c 39	N74-13131 *	#	US-PATENT-CLASS-96-27R	c 35	N79-10389 *
US-PATENT-CLASS-75-142	c 17	N71-20743 *	#	US-PATENT-CLASS-83-664	c 37	N85-21650 *	#	US-PATENT-CLASS-96-36 2	c 06	N72-21094 *
US-PATENT-CLASS-75-170	c 17	N71-15644 *	#	US-PATENT-CLASS-83-676	c 37	N85-21650 *	#	US-PATENT-CLASS-96-36 2	c 15	N72-25452 *
US-PATENT-CLASS-75-170	c 17	N71-16025 *	#	US-PATENT-CLASS-83-820	c 37	N80-29703 *	#	US-PATENT-CLASS-96-38 3	c 35	N74-26946 *
US-PATENT-CLASS-75-170	c 17	N71-23248 *	#	US-PATENT-CLASS-83-870	c 76	N80-18951 *	#	US-PATENT-CLASS-96-49	c 14	N71-17574 *
US-PATENT-CLASS-75-170	c 17	N72-22535 *	#	US-PATENT-CLASS-83-8	c 15	N72-27485 *	#	US-PATENT-CLASS-96-60R	c 35	N79-10389 *
US-PATENT-CLASS-75-170	c 37	N77-19458 *	#	US-PATENT-CLASS-83-917	c 39	N74-13131 *	#	US-PATENT-CLASS-96-79	c 35	N74-26946 *
US-PATENT-CLASS-75-170	c 26	N77-20201 *	#	US-PATENT-CLASS-85-1	c 15	N72-22488 *	#	US-PATENT-CLASS-96-87A	c 27	N78-14164 *
US-PATENT-CLASS-75-170	c 26	N77-32279 *	#	US-PATENT-CLASS-85-33	c 15	N71-15922 *	#	US-PATENT-CLASS-96-90PC	c 14	N72-22443 *
US-PATENT-CLASS-75-170	c 26	N77-32280 *	#	US-PATENT-CLASS-85-33	c 15	N71-21489 *	#	US-PATENT-CLASS-98-1 5	c 44	N78-32539 *
US-PATENT-CLASS-75-170	c 26	N78-18183 *	#	US-PATENT-CLASS-85-3	c 15	N71-17653 *	#	US-PATENT-CLASS-98-1	c 54	N78-17679 *
US-PATENT-CLASS-75-171	c 17	N70-33283 *	#	US-PATENT-CLASS-85-5B	c 15	N72-11385 *	#	US-PATENT-CLASS-98-39	c 31	N74-27902 *
US-PATENT-CLASS-75-171	c 17	N70-36616 *	#	US-PATENT-CLASS-85-7	c 15	N71-23254 *	#	US-PATENT-CLASS-99-80PS	c 05	N72-33096 *
US-PATENT-CLASS-75-171	c 17	N71-16026 *	#	US-PATENT-CLASS-859R	c 27	N81-15104 *	#			
US-PATENT-CLASS-75-171	c 17	N73-32415 *	#	US-PATENT-CLASS-86-1R	c 28	N77-10213 *	#	US-PATENT-DES-228,688	c 05	N74-10907 *
US-PATENT-CLASS-75-172	c 17	N71-23365 *	#	US-PATENT-CLASS-86-1R	c 20	N77-17143 *	#			
US-PATENT-CLASS-75-173	c 26	N75-27126 *	#	US-PATENT-CLASS-86-1	c 28	N71-26779 *	#	US-PATENT-RE-26,548	c 07	N71-12389 *
US-PATENT-CLASS-75-173	c 26	N75-27127 *	#	US-PATENT-CLASS-86-20 2	c 28	N71-26779 *	#	US-PATENT-RE-28,921	c 52	N76-30793 *
US-PATENT-CLASS-75-178R	c 04	N76-20114 *	#	US-PATENT-CLASS-86-20R	c 20	N77-17143 *	#			
US-PATENT-CLASS-75-178R	c 26	N80-23419 *	#	US-PATENT-CLASS-88-14	c 14	N70-34298 *	#	US-PATENT-2,837,706	c 15	N71-28952 *
US-PATENT-CLASS-75-20F	c 15	N72-11387 *	#	US-PATENT-CLASS-88-14	c 14	N70-40003 *	#	US-PATENT-2,898,889	c 02	N71-29128 *
US-PATENT-CLASS-75-200	c 26	N74-10521 *	#	US-PATENT-CLASS-88-14	c 14	N70-41946 *	#	US-PATENT-2,903,307	c 15	N71-29136 *
US-PATENT-CLASS-75-200	c 37	N74-13179 *	#	US-PATENT-CLASS-88-14	c 14	N70-41955 *	#	US-PATENT-2,926,123	c 33	N71-29151 *
US-PATENT-CLASS-75-200	c 24	N75-13032 *	#	US-PATENT-CLASS-88-14	c 09	N71-22999 *	#	US-PATENT-2,934,331	c 15	N70-33382 *
US-PATENT-CLASS-75-200	c 37	N75-26371 *	#	US-PATENT-CLASS-88-16	c 14	N70-33254 *	#	US-PATENT-2,940,259	c 28	N70-33241 *
US-PATENT-CLASS-75-200	c 24	N80-33482 *	#	US-PATENT-CLASS-88-1	c 21	N70-35427 *	#	US-PATENT-2,944,316	c 15	N71-16076 *
US-PATENT-CLASS-75-202	c 17	N71-15468 *	#	US-PATENT-CLASS-88-1	c 21	N71-22880 *	#	US-PATENT-2,945,667	c 15	N70-33376 *
US-PATENT-CLASS-75-203	c 27	N79-14213 *	#	US-PATENT-CLASS-88-24	c 23	N71-21882 *	#	US-PATENT-2,956,772	c 33	N71-29152 *
US-PATENT-CLASS-75-204	c 18	N71-22894 *	#	US-PATENT-CLASS-89-1 5G	c 08	N82-32373 *	#	US-PATENT-2,960,002	c 14	N70-41946 *
US-PATENT-CLASS-75-205	c 27	N79-14213 *	#	US-PATENT-CLASS-89-1 57	c 37	N85-30334 *	#	US-PATENT-2,971,837	c 17	N70-33283 *
US-PATENT-CLASS-75-206	c 15	N72-25448 *	#	US-PATENT-CLASS-89-1 5	c 31	N71-15675 *	#	US-PATENT-2,974,925	c 28	N70-33372 *
US-PATENT-CLASS-75-206	c 27	N79-14213 *	#	US-PATENT-CLASS-89-1 5	c 15	N71-24600 *	#	US-PATENT-2,984,735	c 11	N70-33329 *
US-PATENT-CLASS-75-208R	c 37	N75-26371 *	#	US-PATENT-CLASS-89-1 7	c 11	N70-38202 *	#	US-PATENT-2,991,671	c 15	N70-33330 *
US-PATENT-CLASS-75-208R	c 18	N72-25539 *	#	US-PATENT-CLASS-89-1 7	c 30	N70-40353 *	#	US-PATENT-2,991,961	c 02	N70-33332 *
US-PATENT-CLASS-75-211	c 18	N72-25539 *	#	US-PATENT-CLASS-89-1 7	c 03	N71-12258 *	#	US-PATENT-2,996,212	c 31	N71-17680 *
US-PATENT-CLASS-75-212	c 37	N75-26371 *	#	US-PATENT-CLASS-89-1 7	c 03	N71-12259 *	#	US-PATENT-2,997,274	c 28	N71-29154 *
US-PATENT-CLASS-75-212	c 27	N79-14213 *	#	US-PATENT-CLASS-89-1 801	c 20	N76-22296 *	#	US-PATENT-3,001,363	c 28	N70-33331 *
US-PATENT-CLASS-75-213	c 15	N72-25448 *	#	US-PATENT-CLASS-89-1 806	c 15	N71-24043 *	#	US-PATENT-3,001,395	c 14	N70-33386 *
US-PATENT-CLASS-75-213	c 37	N74-13179 *	#	US-PATENT-CLASS-89-1 811	c 15	N72-17455 *	#	US-PATENT-3,001,739	c 03	N70-33343 *
US-PATENT-CLASS-75-214	c 37	N74-13179 *	#	US-PATENT-CLASS-89-1B	c 01	N83-35992 *	#	US-PATENT-3,004,189	c 37	N75-29426 *
US-PATENT-CLASS-75-214	c 37	N75-26371 *	#	US-PATENT-CLASS-89-1	c 03	N70-34667 *	#	US-PATENT-3,004,735	c 14	N70-33322 *
US-PATENT-CLASS-75-222	c 28	N70-38197 *	#	US-PATENT-CLASS-89-1	c 15	N71-16078 *	#	US-PATENT-3,005,081	c 09	N70-33312 *
US-PATENT-CLASS-75-222	c 37	N75-26371 *	#	US-PATENT-CLASS-89-8	c 11	N71-18578 *	#	US-PATENT-3,005,339	c 11	N70-33287 *
US-PATENT-CLASS-75-222	c 24	N80-33482 *	#	US-PATENT-CLASS-89-8	c 11	N73-32152 *	#	US-PATENT-3,008,229	c 15	N70-33311 *
US-PATENT-CLASS-75-225	c 34	N76-27515 *	#	US-PATENT-CLASS-89-8	c 75	N76-14931 *	#	US-PATENT-3,010,372	c 15	N70-33180 *
US-PATENT-CLASS-75-226	c 18	N72-25539 *	#	US-PATENT-CLASS-89-8	c 75	N76-17951 *	#	US-PATENT-3,011,760	c 15	N70-33226 *
US-PATENT-CLASS-75-226	c 26	N74-10521 *	#	US-PATENT-CLASS-89-8	c 09	N79-21084 *	#	US-PATENT-3,012,400	c 28	N70-33374 *
US-PATENT-CLASS-75-226	c 37	N74-13179 *	#	US-PATENT-CLASS-9-11A	c 02	N73-26006 *	#	US-PATENT-3,012,407	c 15	N70-33323 *
US-PATENT-CLASS-75-226	c 27	N79-14213 *	#	US-PATENT-CLASS-9-11A	c 54	N74-14845 *	#	US-PATENT-3,016,693	c 28	N70-33356 *
US-PATENT-CLASS-75-229	c 27	N78-17206 *	#	US-PATENT-CLASS-9-11	c 05	N70-34857 *	#	US-PATENT-3,016,863	c 12	N70-33305 *
US-PATENT-CLASS-75-239	c 27	N78-17206 *	#	US-PATENT-CLASS-9-2A	c 02	N73-26006 *	#	US-PATENT-3,022,672	c 14	N70-34816 *
US-PATENT-CLASS-75-241	c 27	N78-17206 *	#	US-PATENT-CLASS-9-312	c 05	N71-22748 *	#	US-PATENT-3,024,659	c 14	N70-34820 *
US-PATENT-CLASS-75-25	c 28	N81-15119 *	#	US-PATENT-CLASS-9-316	c 05	N70-36493 *	#	US-PATENT-3,028,122	c 02	N70-33286 *
US-PATENT-CLASS-75-63	c 15	N71-27184 *	#	US-PATENT-CLASS-9-3	c 02	N73-26006 *	#	US-PATENT-3,028,126	c 21	N70-33279 *
US-PATENT-CLASS-75-65R	c 24	N77-27187 *	#	US-PATENT-CLASS-9-8	c 03	N70-36778 *	#	US-PATENT-3,028,128	c 31	N70-33242 *
US-PATENT-CLASS-75-66	c 17	N71-26773 *	#	US-PATENT-CLASS-9-9	c 15	N71-24600 *	#	US-PATENT-3,035,333	c 28	N70-41818 *
US-PATENT-CLASS-75-66	c 06	N73-13129 *	#	US-PATENT-CLASS-90-11	c 15	N71-33518 *	#	US-PATENT-3,038,077	c 21	N70-33181 *
US-PATENT-CLASS-75-66	c 17	N73-28573 *	#	US-PATENT-CLASS-90-12 5	c 37	N74-25968 *	#	US-PATENT-3,038,175	c 05	N70-33285 *
US-PATENT-CLASS-77 5AQ	c 27	N81-15104 *	#	US-PATENT-CLASS-90-12	c 15	N71-22799 *	#	US-PATENT-3,057,597	c 15	N70-33264 *
US-PATENT-CLASS-77 5CH	c 27	N81-15104 *	#	US-PATENT-CLASS-91-186	c 05	N73-32014 *	#	US-PATENT-3,041,587	c 14	N70-33179 *
US-PATENT-CLASS-78-1	c 15	N70-33330 *	#	US-PATENT-CLASS-91-325	c 05	N73-32014 *	#	US-PATENT-3,041,924	c 14	N70-33254 *
US-PATENT-CLASS-788-704	c 36	N79-18307 *	#	US-PATENT-CLASS-91-341R	c 37	N81-32510 *	#	US-PATENT-3,045,424	c 28	N70-40367 *
US-PATENT-CLASS-8-DIG 12	c 27	N80-26446 *	#	US-PATENT-CLASS-91-361	c 37	N81-32510 *	#	US-PATENT-3,049,876	c 28	N70-33284 *
US-PATENT-CLASS-8-DIG 18	c 27	N80-26446 *	#	US-PATENT-CLASS-91-363A	c 15	N71-27754 *	#	US-PATENT-3,053,484	c 02	N70-33255 *
US-PATENT-CLASS-8-115 5	c 27	N80-26446 *	#	US-PATENT-CLASS-91-390	c 15	N73-13466 *	#	US-PATENT-3,057,597	c 15	N70-33264 *
US-PATENT-CLASS-8-150	c 09	N82-29330 *	#	US-PATENT-CLASS-91-410	c 15	N71-27147 *	#	US-PATENT-3,059,220	c 09	N70-33182 *
US-PATENT-CLASS-8-3	c 51	N77-27677 *	#	US-PATENT-CLASS-91-448	c 15	N71-27754 *	#	US-PATENT-3,063,291	c 11	N70-33278 *
US-PATENT-CLASS-8-94 11	c 18	N71-15545 *	#	US-PATENT-CLASS-91-448	c 37	N81-32510 *	#	US-PATENT-3,064,928	c 02	N70-33266 *
US-PATENT-CLASS-81-119	c 37	N79-14383 *	#	US-PATENT-CLASS-91-461	c 15	N71-27754 *	#	US-PATENT-3,067,573	c 28	N70-39899 *
US-PATENT-CLASS-81-177G	c 37	N85-21649 *	#	US-PATENT-CLASS-91-461	c 15	N73-13466 *	#	US-PATENT-3,068,658	c 15	N70-34247 *
US-PATENT-CLASS-81-180B	c 37	N79-14383 *	#	US-PATENT-CLASS-92-130R	c 15	N71-27147 *	#	US-PATENT-3,069,123	c 14	N70-39898 *
US-PATENT-CLASS-81-3R	c 15	N71-29133 *	#	US-PATENT-CLASS-92-37	c 37	N81-33483 *	#	US-PATENT-3,070,330	c 21	N70-34539 *
US-PATENT-CLASS-81-55	c 37	N83-36482 *	#	US-PATENT-CLASS-92-49	c 37	N82-24493 *	#	US-PATENT-3,070,349	c 28	N70-39895 *
US-PATENT-CLASS-81-56	c 37	N76-20480 *	#	US-PATENT-CLASS-92-94	c 14	N73-13418 *	#	US-PATENT-3,070,407	c 15	N70-39896 *
US-PATENT-CLASS-81-57 31	c 37	N76-20480 *	#	US-PATENT-CLASS-92-98R	c 32	N70-41370 *	#	US-PATENT-3,072,574	c 18	N70-39897 *
US-PATENT-CLASS-81-57 38	c 15	N73-30457 *	#	US-PATENT-CLASS-93-1	c 31	N85-21404 *	#	US-PATENT-3,072,574	c 09	N70-39915 *
US-PATENT-CLASS-81-57 38	c 37	N83-36482 *	#	US-PATENT-CLASS-93-1	c 15	N70-33180 *	#	US-PATENT-3,077,599	c 07	N70-40202 *
US-PATENT-CLASS-81-63 1	c 15	N71-17805 *	#	US-PATENT-CLASS-94 9N	c 27	N81-15104 *	#	US-PATENT-3,079,113	c 02	N70-38009 *
US-PATENT-CLASS-81-9 5R	c 37	N79-10419 *	#	US-PATENT-CLASS-95-1 1	c 14	N72-18411 *	#	US-PATENT-3,080,711	c 28	N70-38711 *
US-PATENT-CLASS-81-90B	c 37	N79-14383 *	#	US-PATENT-CLASS-95-1 1	c 14	N73-26431 *	#	US-PATENT-3,083,611	c 21	N70-35427 *
US-PATENT-CLASS-82-1 2	c 37	N81-14319 *	#	US-PATENT-CLASS-95-11 5R	c 14	N73-19419 *	#	US-PATENT-3,084,421	c 17	N70-38490 *
US-PAT										

US-PATENT-3,104,082	c 02	N70-38011 * #	US-PATENT-3,181,821	c 31	N70-36845 * #	US-PATENT-3,229,905	c 04	N78-17031 * #
US-PATENT-3,105,515	c 15	N70-38603 * #	US-PATENT-3,182,496	c 11	N70-36913 * #	US-PATENT-3,229,930	c 30	N70-40016 * #
US-PATENT-3,106,603	c 09	N70-38201 * #	US-PATENT-3,183,506	c 07	N70-36911 * #	US-PATENT-3,230,053	c 26	N70-40015 * #
US-PATENT-3,108,171	c 33	N70-34812 * #	US-PATENT-3,185,023	c 14	N70-34298 * #	US-PATENT-3,233,862	c 37	N79-33469 * #
US-PATENT-3,110,318	c 12	N70-38997 * #	US-PATENT-3,187,583	c 11	N70-38675 * #	US-PATENT-3,236,066	c 15	N71-28959 * #
US-PATENT-3,112,672	c 11	N70-38202 * #	US-PATENT-3,188,472	c 21	N70-34297 * #	US-PATENT-3,237,253	c 15	N71-15966 * #
US-PATENT-3,115,630	c 31	N70-37981 * #	US-PATENT-3,188,844	c 15	N70-34249 * #	US-PATENT-3,238,345	c 11	N71-15925 * #
US-PATENT-3,118,100	c 03	N71-29129 * #	US-PATENT-3,189,299	c 21	N70-34295 * #	US-PATENT-3,238,413	c 25	N71-29184 * #
US-PATENT-3,119,086	c 35	N79-33449 * #	US-PATENT-3,189,535	c 15	N70-34967 * #	US-PATENT-3,238,715	c 28	N71-14043 * #
US-PATENT-3,119,232	c 28	N70-37980 * #	US-PATENT-3,189,726	c 33	N70-34545 * #	US-PATENT-3,238,730	c 03	N71-12260 * #
US-PATENT-3,120,101	c 28	N70-34860 * #	US-PATENT-3,189,784	c 33	N75-27250 * #	US-PATENT-3,238,774	c 14	N71-14996 * #
US-PATENT-3,120,361	c 31	N70-38010 * #	US-PATENT-3,189,794	c 09	N70-34502 * #	US-PATENT-3,238,777	c 14	N71-15598 * #
US-PATENT-3,120,738	c 28	N70-38249 * #	US-PATENT-3,189,864	c 09	N70-34596 * #	US-PATENT-3,239,660	c 23	N71-30292 * #
US-PATENT-3,121,309	c 28	N70-35381 * #	US-PATENT-3,190,124	c 35	N79-33450 * #	US-PATENT-3,242,716	c 14	N71-15992 * #
US-PATENT-3,122,000	c 15	N70-38020 * #	US-PATENT-3,191,316	c 31	N70-34966 * #	US-PATENT-3,243,154	c 23	N71-15673 * #
US-PATENT-3,122,098	c 28	N70-38181 * #	US-PATENT-3,191,379	c 27	N70-35534 * #	US-PATENT-3,243,791	c 07	N71-11298 * #
US-PATENT-3,122,885	c 28	N70-38710 * #	US-PATENT-3,191,907	c 15	N70-34859 * #	US-PATENT-3,244,943	c 15	N73-28516 * #
US-PATENT-3,123,248	c 11	N70-38182 * #	US-PATENT-3,192,730	c 06	N70-34946 * #	US-PATENT-3,249,012	c 03	N71-12258 * #
US-PATENT-3,123,418	c 37	N79-33467 * #	US-PATENT-3,193,883	c 27	N70-34783 * #	US-PATENT-3,249,013	c 03	N71-12259 * #
US-PATENT-3,123,692	c 33	N79-33393 * #	US-PATENT-3,194,060	c 14	N70-34794 * #	US-PATENT-3,251,053	c 08	N71-12501 * #
US-PATENT-3,127,157	c 15	N70-38225 * #	US-PATENT-3,194,525	c 11	N70-35383 * #	US-PATENT-3,252,100	c 10	N71-28960 * #
US-PATENT-3,128,389	c 09	N70-38604 * #	US-PATENT-3,194,951	c 08	N70-34778 * #	US-PATENT-3,254,395	c 28	N71-15658 * #
US-PATENT-3,128,845	c 15	N70-38601 * #	US-PATENT-3,196,261	c 08	N70-34787 * #	US-PATENT-3,254,487	c 28	N71-15659 * #
US-PATENT-3,130,940	c 33	N70-33344 * #	US-PATENT-3,196,352	c 09	N70-35440 * #	US-PATENT-3,257,780	c 15	N71-15968 * #
US-PATENT-3,131,040	c 37	N79-21345 * #	US-PATENT-3,196,567	c 11	N70-34815 * #	US-PATENT-3,258,582	c 02	N71-13421 * #
US-PATENT-3,132,342	c 07	N70-38200 * #	US-PATENT-3,196,558	c 14	N70-35394 * #	US-PATENT-3,258,687	c 14	N71-15962 * #
US-PATENT-3,132,476	c 28	N70-34294 * #	US-PATENT-3,196,598	c 28	N70-34788 * #	US-PATENT-3,258,831	c 15	N71-15986 * #
US-PATENT-3,132,479	c 15	N71-28951 * #	US-PATENT-3,196,675	c 14	N70-34818 * #	US-PATENT-3,258,912	c 27	N71-15634 * #
US-PATENT-3,132,903	c 15	N70-38620 * #	US-PATENT-3,196,690	c 11	N70-34786 * #	US-PATENT-3,258,918	c 27	N71-15635 * #
US-PATENT-3,134,389	c 37	N79-33468 * #	US-PATENT-3,197,616	c 14	N71-28958 * #	US-PATENT-3,260,055	c 23	N71-15647 * #
US-PATENT-3,135,089	c 28	N70-38504 * #	US-PATENT-3,198,955	c 08	N70-34743 * #	US-PATENT-3,260,204	c 31	N71-15692 * #
US-PATENT-3,135,090	c 28	N70-38505 * #	US-PATENT-3,198,994	c 26	N73-28710 * #	US-PATENT-3,260,326	c 11	N71-28779 * #
US-PATENT-3,136,123	c 28	N70-38199 * #	US-PATENT-3,199,340	c 14	N70-34799 * #	US-PATENT-3,261,210	c 14	N71-15969 * #
US-PATENT-3,138,837	c 17	N70-38198 * #	US-PATENT-3,199,343	c 11	N70-34844 * #	US-PATENT-3,262,025	c 15	N73-32361 * #
US-PATENT-3,139,725	c 28	N70-38645 * #	US-PATENT-3,199,931	c 15	N70-34664 * #	US-PATENT-3,262,186	c 15	N71-16052 * #
US-PATENT-3,140,728	c 15	N70-36908 * #	US-PATENT-3,200,706	c 03	N70-34667 * #	US-PATENT-3,262,262	c 28	N71-15661 * #
US-PATENT-3,141,340	c 11	N70-38196 * #	US-PATENT-3,201,560	c 33	N70-35540 * #	US-PATENT-3,262,351	c 15	N71-15922 * #
US-PATENT-3,141,769	c 28	N70-38197 * #	US-PATENT-3,201,635	c 25	N70-34661 * #	US-PATENT-3,262,365	c 31	N71-15675 * #
US-PATENT-3,141,932	c 03	N70-38713 * #	US-PATENT-3,201,980	c 14	N70-40203 * #	US-PATENT-3,262,395	c 15	N71-30028 * #
US-PATENT-3,143,321	c 15	N70-34850 * #	US-PATENT-3,202,381	c 31	N70-34176 * #	US-PATENT-3,262,518	c 05	N71-11199 * #
US-PATENT-3,143,651	c 14	N70-40240 * #	US-PATENT-3,202,398	c 28	N71-28928 * #	US-PATENT-3,262,655	c 31	N71-15663 * #
US-PATENT-3,144,219	c 31	N70-38676 * #	US-PATENT-3,202,844	c 03	N70-34134 * #	US-PATENT-3,262,694	c 44	N79-19447 * #
US-PATENT-3,144,999	c 02	N70-34856 * #	US-PATENT-3,202,915	c 14	N70-38602 * #	US-PATENT-3,263,016	c 33	N71-15625 * #
US-PATENT-3,145,874	c 11	N71-15960 * #	US-PATENT-3,202,998	c 31	N70-34135 * #	US-PATENT-3,263,171	c 09	N71-13530 * #
US-PATENT-3,147,422	c 09	N70-38712 * #	US-PATENT-3,204,447	c 14	N70-34156 * #	US-PATENT-3,263,610	c 15	N71-13789 * #
US-PATENT-3,149,897	c 09	N70-36494 * #	US-PATENT-3,204,889	c 03	N70-34157 * #	US-PATENT-3,264,135	c 15	N71-16075 * #
US-PATENT-3,150,329	c 09	N70-38995 * #	US-PATENT-3,205,361	c 14	N70-34158 * #	US-PATENT-3,270,441	c 11	N71-16028 * #
US-PATENT-3,150,387	c 03	N70-36778 * #	US-PATENT-3,205,362	c 21	N70-35089 * #	US-PATENT-3,270,499	c 28	N71-15660 * #
US-PATENT-3,152,344	c 05	N70-36493 * #	US-PATENT-3,205,381	c 03	N70-35408 * #	US-PATENT-3,270,501	c 31	N71-15647 * #
US-PATENT-3,155,992	c 05	N70-34857 * #	US-PATENT-3,206,141	c 21	N70-35395 * #	US-PATENT-3,270,503	c 33	N71-15623 * #
US-PATENT-3,156,090	c 28	N70-37245 * #	US-PATENT-3,206,897	c 18	N75-27040 * #	US-PATENT-3,270,504	c 31	N71-15637 * #
US-PATENT-3,157,529	c 18	N70-36400 * #	US-PATENT-3,208,215	c 18	N70-34162 * #	US-PATENT-3,270,505	c 21	N71-15582 * #
US-PATENT-3,158,172	c 15	N70-34817 * #	US-PATENT-3,208,272	c 14	N70-34161 * #	US-PATENT-3,270,512	c 15	N71-15906 * #
US-PATENT-3,158,336	c 31	N70-36410 * #	US-PATENT-3,208,694	c 02	N70-34160 * #	US-PATENT-3,270,565	c 14	N70-30265 * #
US-PATENT-3,158,764	c 03	N70-36803 * #	US-PATENT-3,208,707	c 31	N70-34159 * #	US-PATENT-3,270,756	c 15	N71-15967 * #
US-PATENT-3,159,967	c 28	N70-36802 * #	US-PATENT-3,209,360	c 09	N70-35219 * #	US-PATENT-3,270,802	c 33	N71-24876 * #
US-PATENT-3,160,825	c 14	N70-35220 * #	US-PATENT-3,209,361	c 09	N70-35425 * #	US-PATENT-3,270,835	c 28	N70-41582 * #
US-PATENT-3,160,950	c 15	N70-36409 * #	US-PATENT-3,210,927	c 28	N70-34175 * #	US-PATENT-3,270,908	c 31	N71-15664 * #
US-PATENT-3,162,012	c 15	N70-36411 * #	US-PATENT-3,211,169	c 15	N70-35087 * #	US-PATENT-3,270,985	c 21	N71-15583 * #
US-PATENT-3,163,935	c 14	N70-36907 * #	US-PATENT-3,211,414	c 15	N70-35407 * #	US-PATENT-3,270,986	c 05	N71-13336 * #
US-PATENT-3,164,222	c 15	N70-34861 * #	US-PATENT-3,212,096	c 09	N70-35382 * #	US-PATENT-3,270,988	c 01	N71-12410 * #
US-PATENT-3,164,369	c 15	N70-36412 * #	US-PATENT-3,212,259	c 28	N71-29153 * #	US-PATENT-3,270,989	c 02	N71-11041 * #
US-PATENT-3,165,356	c 15	N70-35152 * #	US-PATENT-3,212,325	c 14	N70-34705 * #	US-PATENT-3,270,990	c 28	N71-15637 * #
US-PATENT-3,166,834	c 05	N70-36901 * #	US-PATENT-3,212,564	c 33	N71-29052 * #	US-PATENT-3,271,140	c 17	N71-15644 * #
US-PATENT-3,167,426	c 17	N70-36616 * #	US-PATENT-3,215,313	c 31	N79-21225 * #	US-PATENT-3,271,181	c 15	N71-16077 * #
US-PATENT-3,168,827	c 14	N70-36807 * #	US-PATENT-3,215,572	c 12	N70-40124 * #	US-PATENT-3,271,532	c 09	N71-16089 * #
US-PATENT-3,169,001	c 02	N70-36825 * #	US-PATENT-3,215,842	c 16	N71-28963 * #	US-PATENT-3,271,558	c 15	N71-15871 * #
US-PATENT-3,169,613	c 15	N70-36947 * #	US-PATENT-3,216,007	c 08	N70-40125 * #	US-PATENT-3,271,594	c 10	N71-28739 * #
US-PATENT-3,169,725	c 31	N70-34296 * #	US-PATENT-3,217,624	c 14	N70-40273 * #	US-PATENT-3,271,620	c 09	N71-12540 * #
US-PATENT-3,170,286	c 15	N70-36535 * #	US-PATENT-3,218,479	c 09	N70-40272 * #	US-PATENT-3,271,637	c 26	N71-18064 * #
US-PATENT-3,170,290	c 28	N70-36910 * #	US-PATENT-3,218,547	c 09	N70-40123 * #	US-PATENT-3,271,649	c 10	N71-16030 * #
US-PATENT-3,170,295	c 27	N71-28929 * #	US-PATENT-3,218,850	c 14	N70-40400 * #	US-PATENT-3,273,094	c 23	N71-29049 * #
US-PATENT-3,170,324	c 14	N70-36824 * #	US-PATENT-3,219,250	c 15	N70-40204 * #	US-PATENT-3,273,355	c 33	N71-17897 * #
US-PATENT-3,170,471	c 32	N70-36536 * #	US-PATENT-3,219,365	c 15	N71-28937 * #	US-PATENT-3,273,381	c 32	N71-17645 * #
US-PATENT-3,170,486	c 15	N70-36492 * #	US-PATENT-3,219,997	c 08	N73-28045 * #	US-PATENT-3,273,388	c 09	N71-16086 * #
US-PATENT-3,170,605	c 15	N70-38996 * #	US-PATENT-3,220,004	c 30	N70-40309 * #	US-PATENT-3,273,392	c 23	N71-17802 * #
US-PATENT-3,170,657	c 02	N70-34858 * #	US-PATENT-3,221,547	c 14	N70-40201 * #	US-PATENT-3,273,399	c 12	N71-24692 * #
US-PATENT-3,170,660	c 02	N70-36804 * #	US-PATENT-3,221,549	c 14	N70-40157 * #	US-PATENT-3,274,304	c 26	N71-17818 * #
US-PATENT-3,170,773	c 17	N70-33288 * #	US-PATENT-3,223,374	c 15	N70-40156 * #	US-PATENT-3,275,794	c 37	N75-27376 * #
US-PATENT-3,171,060	c 25	N70-33267 * #	US-PATENT-3,224,001	c 07	N70-40063 * #	US-PATENT-3,276,251	c 11	N71-15926 * #
US-PATENT-3,171,081	c 14	N70-35666 * #	US-PATENT-3,224,173	c 15	N70-40062 * #	US-PATENT-3,276,376	c 31	N71-17629 * #
US-PATENT-3,172,097	c 08	N70-35423 * #	US-PATENT-3,224,263	c 15	N70-40180 * #	US-PATENT-3,276,602	c 32	N71-17609 * #
US-PATENT-3,173,246	c 28	N70-33265 * #	US-PATENT-3,224,336	c 30	N70-40353 * #	US-PATENT-3,276,679	c 15	N71-16079 * #
US-PATENT-3,173,251	c 28	N70-33375 * #	US-PATENT-3,224,337	c 09	N79-21084 * #	US-PATENT-3,276,722	c 02	N71-16087 * #
US-PATENT-3,173,801	c 32	N79-19186 * #	US-PATENT-3,228,492	c 15	N70-40354 * #	US-PATENT-3,276,726	c 31	N71-16081 * #
US-PATENT-3,174,278	c 25	N70-36946 * #	US-PATENT-3,228,558	c 14	N70-40233 * #	US-PATENT-3,276,865	c 17	N71-16025 * #
US-PATENT-3,174,279	c 28	N70-36806 * #						

US-PATENT-3,281,963	c 11	N71-10746 *	#	US-PATENT-3,310,765	c 33	N79-21264 *	#	US-PATENT-3,342,066	c 11	N71-23030 *
US-PATENT-3,281,964	c 11	N71-10776 *	#	US-PATENT-3,310,978	c 14	N71-10616 *	#	US-PATENT-3,342,653	c 15	N71-22713 *
US-PATENT-3,281,965	c 11	N71-10748 *	#	US-PATENT-3,310,980	c 11	N71-10604 *	#	US-PATENT-3,343,180	c 05	N71-23159 *
US-PATENT-3,282,035	c 11	N71-10777 *	#	US-PATENT-3,311,315	c 07	N71-10609 *	#	US-PATENT-3,343,189	c 05	N71-22748 *
US-PATENT-3,282,091	c 14	N71-10781 *	#	US-PATENT-3,311,502	c 03	N71-10608 *	#	US-PATENT-3,344,340	c 09	N71-21449 *
US-PATENT-3,282,532	c 31	N71-17729 *	#	US-PATENT-3,311,510	c 26	N71-10607 *	#	US-PATENT-3,344,425	c 10	N71-21483 *
US-PATENT-3,282,541	c 31	N71-24750 *	#	US-PATENT-3,311,517	c 27	N79-21190 *	#	US-PATENT-3,345,820	c 28	N71-21822 *
US-PATENT-3,282,739	c 03	N71-11053 *	#	US-PATENT-3,311,748	c 21	N71-10678 *	#	US-PATENT-3,345,822	c 27	N71-21819 *
US-PATENT-3,282,740	c 03	N71-11051 *	#	US-PATENT-3,311,772	c 09	N71-10618 *	#	US-PATENT-3,345,840	c 15	N71-21536 *
US-PATENT-3,283,088	c 10	N71-15909 *	#	US-PATENT-3,312,832	c 07	N71-10775 *	#	US-PATENT-3,345,866	c 11	N71-21481 *
US-PATENT-3,283,175	c 10	N71-15910 *	#	US-PATENT-3,312,101	c 14	N71-10774 *	#	US-PATENT-3,346,419	c 03	N71-20895 *
US-PATENT-3,283,241	c 14	N71-16014 *	#	US-PATENT-3,313,204	c 28	N73-24783 *	#	US-PATENT-3,346,442	c 18	N71-21651 *
US-PATENT-3,286,274	c 05	N71-12335 *	#	US-PATENT-3,316,716	c 28	N71-10780 *	#	US-PATENT-3,346,515	c 06	N71-20905 *
US-PATENT-3,286,531	c 30	N71-17788 *	#	US-PATENT-3,316,752	c 14	N71-10779 *	#	US-PATENT-3,346,724	c 15	N71-21179 *
US-PATENT-3,286,629	c 31	N71-17730 *	#	US-PATENT-3,316,991	c 14	N71-10773 *	#	US-PATENT-3,346,806	c 14	N71-21090 *
US-PATENT-3,286,630	c 31	N71-10582 *	#	US-PATENT-3,317,180	c 15	N71-10778 *	#	US-PATENT-3,346,929	c 15	N71-21076 *
US-PATENT-3,286,882	c 27	N71-29155 *	#	US-PATENT-3,317,341	c 18	N71-10772 *	#	US-PATENT-3,347,046	c 33	N71-21507 *
US-PATENT-3,286,953	c 21	N70-41856 *	#	US-PATENT-3,317,352	c 03	N71-10728 *	#	US-PATENT-3,347,309	c 33	N71-29046 *
US-PATENT-3,286,957	c 02	N70-41863 *	#	US-PATENT-3,317,641	c 15	N71-10672 *	#	US-PATENT-3,347,465	c 18	N71-21068 *
US-PATENT-3,287,031	c 15	N70-41808 *	#	US-PATENT-3,317,731	c 21	N71-10771 *	#	US-PATENT-3,347,466	c 28	N71-21493 *
US-PATENT-3,287,174	c 03	N70-41864 *	#	US-PATENT-3,317,751	c 09	N71-10673 *	#	US-PATENT-3,347,531	c 15	N71-21177 *
US-PATENT-3,287,496	c 14	N70-41807 *	#	US-PATENT-3,317,797	c 10	N71-28783 *	#	US-PATENT-3,347,665	c 17	N71-20743 *
US-PATENT-3,287,582	c 28	N70-41576 *	#	US-PATENT-3,317,832	c 09	N71-10659 *	#	US-PATENT-3,348,048	c 14	N71-21088 *
US-PATENT-3,287,640	c 09	N70-41655 *	#	US-PATENT-3,318,093	c 15	N71-10658 *	#	US-PATENT-3,348,053	c 10	N71-20782 *
US-PATENT-3,287,660	c 16	N70-41578 *	#	US-PATENT-3,318,096	c 28	N71-28849 *	#	US-PATENT-3,348,152	c 10	N71-20841 *
US-PATENT-3,287,725	c 07	N70-41680 *	#	US-PATENT-3,318,343	c 15	N71-10809 *	#	US-PATENT-3,348,218	c 10	N71-29135 *
US-PATENT-3,289,205	c 07	N70-41678 *	#	US-PATENT-3,318,622	c 15	N71-10799 *	#	US-PATENT-3,349,814	c 33	N71-20834 *
US-PATENT-3,295,360	c 14	N70-41681 *	#	US-PATENT-3,319,175	c 09	N71-10798 *	#	US-PATENT-3,350,033	c 14	N71-21082 *
US-PATENT-3,295,366	c 11	N70-41677 *	#	US-PATENT-3,319,979	c 15	N71-10782 *	#	US-PATENT-3,350,034	c 31	N71-21064 *
US-PATENT-3,295,377	c 14	N70-41682 *	#	US-PATENT-3,320,669	c 15	N70-42017 *	#	US-PATENT-3,350,643	c 07	N71-20791 *
US-PATENT-3,295,386	c 05	N70-41581 *	#	US-PATENT-3,321,034	c 15	N70-42034 *	#	US-PATENT-3,350,671	c 09	N71-20842 *
US-PATENT-3,295,512	c 03	N70-41580 *	#	US-PATENT-3,321,154	c 31	N70-42075 *	#	US-PATENT-3,350,926	c 14	N71-21091 *
US-PATENT-3,295,545	c 15	N70-41646 *	#	US-PATENT-3,321,157	c 02	N70-42016 *	#	US-PATENT-3,352,157	c 14	N71-21072 *
US-PATENT-3,295,556	c 32	N70-41579 *	#	US-PATENT-3,321,159	c 31	N70-42015 *	#	US-PATENT-3,352,192	c 15	N71-21489 *
US-PATENT-3,295,594	c 54	N82-29002 *	#	US-PATENT-3,321,570	c 15	N70-41960 *	#	US-PATENT-3,352,774	c 37	N80-14395 *
US-PATENT-3,295,684	c 28	N70-41447 *	#	US-PATENT-3,321,628	c 10	N70-41991 *	#	US-PATENT-3,353,359	c 28	N71-20942 *
US-PATENT-3,295,699	c 32	N70-41367 *	#	US-PATENT-3,321,645	c 10	N70-42032 *	#	US-PATENT-3,354,098	c 06	N71-20717 *
US-PATENT-3,295,782	c 14	N70-41647 *	#	US-PATENT-3,321,922	c 28	N70-41992 *	#	US-PATENT-3,354,320	c 23	N71-21821 *
US-PATENT-3,295,790	c 31	N70-41588 *	#	US-PATENT-3,323,356	c 15	N70-41993 *	#	US-PATENT-3,354,462	c 14	N71-21006 *
US-PATENT-3,295,798	c 02	N70-41589 *	#	US-PATENT-3,323,362	c 14	N70-41994 *	#	US-PATENT-3,355,861	c 18	N71-20742 *
US-PATENT-3,295,808	c 15	N70-41310 *	#	US-PATENT-3,323,370	c 05	N70-42000 *	#	US-PATENT-3,355,948	c 14	N71-21007 *
US-PATENT-3,296,060	c 18	N70-41583 *	#	US-PATENT-3,323,386	c 03	N70-42073 *	#	US-PATENT-3,356,320	c 05	N71-20718 *
US-PATENT-3,296,526	c 14	N70-41332 *	#	US-PATENT-3,323,408	c 14	N70-41955 *	#	US-PATENT-3,356,549	c 15	N71-21404 *
US-PATENT-3,296,531	c 07	N70-41331 *	#	US-PATENT-3,323,484	c 14	N70-42074 *	#	US-PATENT-3,356,885	c 25	N71-20747 *
US-PATENT-3,298,175	c 33	N71-29053 *	#	US-PATENT-3,323,967	c 15	N70-42033 *	#	US-PATENT-3,356,917	c 33	N79-21285 *
US-PATENT-3,298,182	c 28	N70-41311 *	#	US-PATENT-3,324,370	c 09	N71-10677 *	#	US-PATENT-3,357,024	c 12	N71-20815 *
US-PATENT-3,298,221	c 14	N70-41330 *	#	US-PATENT-3,324,388	c 14	N71-10797 *	#	US-PATENT-3,357,093	c 15	N71-21078 *
US-PATENT-3,298,285	c 32	N70-41370 *	#	US-PATENT-3,324,423	c 07	N71-10676 *	#	US-PATENT-3,357,237	c 33	N71-21586 *
US-PATENT-3,298,362	c 05	N70-41329 *	#	US-PATENT-3,324,659	c 28	N71-10574 *	#	US-PATENT-3,357,862	c 03	N71-20904 *
US-PATENT-3,298,582	c 14	N71-28935 *	#	US-PATENT-3,325,229	c 15	N71-10617 *	#	US-PATENT-3,358,264	c 09	N71-20851 *
US-PATENT-3,299,364	c 16	N71-15550 *	#	US-PATENT-3,325,723	c 10	N71-10578 *	#	US-PATENT-3,359,046	c 15	N71-20739 *
US-PATENT-3,299,431	c 07	N71-28979 *	#	US-PATENT-3,325,749	c 09	N71-28810 *	#	US-PATENT-3,359,132	c 09	N71-20705 *
US-PATENT-3,299,913	c 15	N71-15918 *	#	US-PATENT-3,326,043	c 14	N71-10500 *	#	US-PATENT-3,359,409	c 07	N71-21476 *
US-PATENT-3,300,162	c 31	N70-41373 *	#	US-PATENT-3,326,407	c 15	N71-10577 *	#	US-PATENT-3,359,435	c 15	N71-21311 *
US-PATENT-3,300,731	c 07	N70-41372 *	#	US-PATENT-3,327,298	c 08	N71-21042 *	#	US-PATENT-3,359,555	c 09	N71-20864 *
US-PATENT-3,300,847	c 15	N70-41371 *	#	US-PATENT-3,327,991	c 15	N71-21234 *	#	US-PATENT-3,359,568	c 54	N78-17680 *
US-PATENT-3,300,949	c 05	N70-41297 *	#	US-PATENT-3,328,624	c 28	N71-28850 *	#	US-PATENT-3,359,819	c 15	N71-21744 *
US-PATENT-3,300,981	c 28	N70-41275 *	#	US-PATENT-3,329,375	c 21	N71-21708 *	#	US-PATENT-3,359,855	c 23	N71-21882 *
US-PATENT-3,301,046	c 14	N70-41366 *	#	US-PATENT-3,329,918	c 09	N71-21583 *	#	US-PATENT-3,359,798	c 09	N71-20658 *
US-PATENT-3,301,315	c 09	N70-41717 *	#	US-PATENT-3,330,052	c 11	N71-21474 *	#	US-PATENT-3,360,864	c 14	N71-24693 *
US-PATENT-3,301,507	c 31	N70-41631 *	#	US-PATENT-3,330,082	c 15	N71-21531 *	#	US-PATENT-3,360,972	c 15	N71-24833 *
US-PATENT-3,301,511	c 02	N70-41630 *	#	US-PATENT-3,330,510	c 31	N71-28851 *	#	US-PATENT-3,360,980	c 14	N71-20741 *
US-PATENT-3,301,578	c 15	N70-41629 *	#	US-PATENT-3,330,549	c 15	N71-21530 *	#	US-PATENT-3,360,988	c 09	N71-20816 *
US-PATENT-3,302,023	c 14	N70-41676 *	#	US-PATENT-3,331,071	c 07	N71-28900 *	#	US-PATENT-3,361,045	c 15	N71-21060 *
US-PATENT-3,302,040	c 09	N70-41675 *	#	US-PATENT-3,331,246	c 11	N71-21475 *	#	US-PATENT-3,361,067	c 26	N71-21824 *
US-PATENT-3,302,569	c 15	N70-41679 *	#	US-PATENT-3,331,255	c 15	N71-21529 *	#	US-PATENT-3,361,400	c 15	N71-20813 *
US-PATENT-3,302,633	c 05	N70-41819 *	#	US-PATENT-3,331,404	c 12	N71-21089 *	#	US-PATENT-3,361,666	c 15	N71-21403 *
US-PATENT-3,302,662	c 15	N70-41811 *	#	US-PATENT-3,331,951	c 21	N71-21688 *	#	US-PATENT-3,361,985	c 10	N71-20852 *
US-PATENT-3,302,960	c 15	N70-41829 *	#	US-PATENT-3,333,152	c 25	N71-21693 *	#	US-PATENT-3,364,311	c 07	N71-20814 *
US-PATENT-3,303,304	c 14	N70-41812 *	#	US-PATENT-3,333,788	c 31	N71-21881 *	#	US-PATENT-3,364,366	c 09	N71-28926 *
US-PATENT-3,304,028	c 31	N70-41855 *	#	US-PATENT-3,334,225	c 14	N73-32325 *	#	US-PATENT-3,364,578	c 14	N71-21079 *
US-PATENT-3,304,718	c 28	N70-41922 *	#	US-PATENT-3,336,725	c 15	N71-21528 *	#	US-PATENT-3,364,631	c 32	N71-21045 *
US-PATENT-3,304,724	c 31	N70-41948 *	#	US-PATENT-3,336,748	c 25	N71-21694 *	#	US-PATENT-3,364,777	c 15	N71-20740 *
US-PATENT-3,304,729	c 31	N70-41871 *	#	US-PATENT-3,336,754	c 28	N71-22983 *	#	US-PATENT-3,364,813	c 09	N71-22999 *
US-PATENT-3,304,768	c 32	N70-42003 *	#	US-PATENT-3,337,004	c 14	N71-23092 *	#	US-PATENT-3,365,657	c 10	N71-22961 *
US-PATENT-3,304,773	c 14	N70-41957 *	#	US-PATENT-3,337,279	c 05	N71-23080 *	#	US-PATENT-3,365,665	c 14	N71-23037 *
US-PATENT-3,304,799	c 03	N70-41954 *	#	US-PATENT-3,337,315	c 18	N71-23088 *	#	US-PATENT-3,365,897	c 33	N71-28892 *
US-PATENT-3,304,865	c 28	N70-41967 *	#	US-PATENT-3,337,337	c 18	N71-22894 *	#	US-PATENT-3,365,930	c 14	N71-22964 *
US-PATENT-3,305,415	c 27	N70-41897 *	#	US-PATENT-3,337,790	c 12	N71-20896 *	#	US-PATENT-3,365,941	c 14	N71-22965 *
US-PATENT-3,305,636	c 08	N70-41961 *	#	US-PATENT-3,337,812	c 09	N71-23097 *	#	US-PATENT-3,366,886	c 10	N71-22962 *
US-PATENT-3,305,801	c 10	N70-41964 *	#	US-PATENT-3,339,404	c 14	N71-22765 *	#	US-PATENT-3,366,894	c 10	N71-23084 *
US-PATENT-3,305,810	c 09	N70-41929 *	#	US-PATENT-3,339,863	c 14	N71-23040 *	#	US-PATENT-3,367,114	c 28	N71-23081 *
US-PATENT-3,305,861	c 21	N70-41930 *	#	US-PATENT-3,340,099	c 03	N71-23006 *	#	US-PATENT-3,367,121	c 15	N71-23025 *
US-PATENT-3,305,870	c 07	N71-15907 *	#	US-PATENT-3,340,395	c 14	N71-23041 *	#	US-PATENT-3,367,182	c 33	N71-23085 *
US-PATENT-3,306,134	c 37	N78-17385 *	#	US-PATENT-3,340,397	c 11	N71-23042 *	#	US-PATENT-3,367,224	c 15	N71-22798 *
US-PATENT-3,308,848	c 12	N71-16031 *	#	US-PATENT-3,340,430	c 09	N71-22796 *	#	US-PATENT-3,367,271	c 15	N71-24042 *
US-PATENT-3,309,012	c 33	N71-17610 *	#	US-PATENT-3,340,532	c 10	N71-21473 *	#	US-PATENT-3,367,308	c 11	N71-22875 *
US-PATENT-3,309,961	c 15	N71-16078 *	#	US-PATENT-3,340,599	c 09	N71-23027 *	#	US-PATENT-3,367,445	c 15	N71-23048 *
US-PATENT-3,310,054	c 08	N71-15908 *	#	US-PATENT-3,340,713	c 15	N71-22723 *	#	US-PATENT-3,368,486	c 15	N71-22874 *
US-PATENT-3,310,138	c 12	N71-16894 *	#	US-PATENT-3,340,732	c 02	N71-23007 *	#	US-PATENT-3,369,222	c 08	N71-22707 *
US-PATENT-3,310,256	c 31	N71-17679 *	#	US-PATENT-3,341,151	c 31	N71-23009 *	#	US-PATENT-3,369,2		

US-PATENT-3,373,404	c 08	N71-22749 *	US-PATENT-3,404,289	c 09	N71-23545 *	US-PATENT-3,425,486	c 05	N71-24147 *
US-PATENT-3,373,430	c 09	N71-22888 *	US-PATENT-3,404,348	c 32	N74-22096 #	US-PATENT-3,425,487	c 05	N71-19439 *
US-PATENT-3,373,431	c 07	N71-22750 *	US-PATENT-3,405,406	c 05	N71-23161 *	US-PATENT-3,425,885	c 15	N69-24322 #
US-PATENT-3,373,640	c 15	N71-22722 *	US-PATENT-3,405,887	c 31	N71-24315 *	US-PATENT-3,426,219	c 09	N69-24317 #
US-PATENT-3,373,914	c 15	N71-23050 *	US-PATENT-3,406,336	c 10	N71-24863 *	US-PATENT-3,426,230	c 15	N69-24319 #
US-PATENT-3,374,339	c 08	N71-22897 *	US-PATENT-3,406,742	c 33	N71-24276 *	US-PATENT-3,426,263	c 03	N71-19438 *
US-PATENT-3,374,366	c 09	N71-23015 *	US-PATENT-3,407,304	c 14	N71-23240 *	US-PATENT-3,426,272	c 14	N69-39785 #
US-PATENT-3,374,830	c 33	N71-22890 *	US-PATENT-3,408,816	c 28	N71-24736 *	US-PATENT-3,426,746	c 05	N71-26293 *
US-PATENT-3,375,451	c 10	N71-22986 *	US-PATENT-3,408,870	c 14	N71-23227 *	US-PATENT-3,426,791	c 15	N71-19569 #
US-PATENT-3,375,479	c 15	N71-23049 *	US-PATENT-3,409,247	c 33	N71-28903 *	US-PATENT-3,427,047	c 15	N69-27490 #
US-PATENT-3,375,712	c 35	N75-29382 #	US-PATENT-3,409,252	c 15	N71-23255 *	US-PATENT-3,427,089	c 23	N69-24332 #
US-PATENT-3,375,885	c 15	N73-32362 #	US-PATENT-3,409,554	c 26	N71-23292 *	US-PATENT-3,427,093	c 09	N71-19479 *
US-PATENT-3,376,730	c 14	N71-22995 *	US-PATENT-3,409,730	c 33	N71-24145 *	US-PATENT-3,427,097	c 11	N69-24321 #
US-PATENT-3,377,208	c 14	N71-23039 *	US-PATENT-3,411,356	c 14	N71-23226 *	US-PATENT-3,427,205	c 15	N69-24320 #
US-PATENT-3,377,845	c 14	N71-22992 *	US-PATENT-3,411,900	c 26	N75-27126 #	US-PATENT-3,427,435	c 17	N69-25147 #
US-PATENT-3,378,315	c 15	N71-22997 *	US-PATENT-3,412,559	c 28	N71-23293 *	US-PATENT-3,427,454	c 05	N71-19440 *
US-PATENT-3,378,657	c 33	N79-33392 #	US-PATENT-3,412,598	c 14	N71-23225 *	US-PATENT-3,427,525	c 03	N69-21330 #
US-PATENT-3,378,851	c 05	N71-23096 *	US-PATENT-3,412,729	c 04	N71-23185 *	US-PATENT-3,428,761	c 09	N69-24329 #
US-PATENT-3,378,892	c 15	N71-22994 *	US-PATENT-3,412,961	c 32	N71-23971 *	US-PATENT-3,428,812	c 14	N69-27485 #
US-PATENT-3,379,052	c 14	N73-32321 #	US-PATENT-3,413,115	c 17	N71-23365 *	US-PATENT-3,428,847	c 15	N69-24266 #
US-PATENT-3,379,064	c 14	N71-23093 *	US-PATENT-3,413,393	c 17	N71-29137 *	US-PATENT-3,428,910	c 09	N69-24330 #
US-PATENT-3,379,330	c 23	N71-22881 *	US-PATENT-3,413,510	c 09	N71-23190 *	US-PATENT-3,428,919	c 07	N69-24334 #
US-PATENT-3,379,885	c 09	N71-22985 *	US-PATENT-3,413,536	c 03	N71-24605 *	US-PATENT-3,428,923	c 07	N69-27462 #
US-PATENT-3,379,974	c 14	N71-22990 *	US-PATENT-3,414,012	c 09	N71-23191 *	US-PATENT-3,429,058	c 12	N69-39988 #
US-PATENT-3,380,042	c 07	N71-23001 *	US-PATENT-3,414,358	c 14	N71-23175 *	US-PATENT-3,429,177	c 06	N69-39733 #
US-PATENT-3,380,049	c 10	N71-23099 *	US-PATENT-3,415,032	c 15	N71-23256 *	US-PATENT-3,429,477	c 15	N69-27502 #
US-PATENT-3,381,339	c 06	N71-22975 *	US-PATENT-3,415,069	c 15	N71-24044 *	US-PATENT-3,429,756	c 76	N79-21910 #
US-PATENT-3,381,517	c 09	N71-22988 *	US-PATENT-3,415,116	c 14	N71-23790 *	US-PATENT-3,430,063	c 09	N69-27500 #
US-PATENT-3,381,527	c 15	N71-22878 *	US-PATENT-3,415,126	c 21	N71-23289 *	US-PATENT-3,430,115	c 09	N69-24318 #
US-PATENT-3,381,569	c 21	N71-22880 *	US-PATENT-3,415,156	c 15	N71-24043 *	US-PATENT-3,430,131	c 24	N71-20518 #
US-PATENT-3,381,778	c 15	N71-22877 *	US-PATENT-3,415,643	c 17	N71-23248 *	US-PATENT-3,430,182	c 14	N69-27431 #
US-PATENT-3,382,082	c 18	N71-22998 *	US-PATENT-3,416,106	c 09	N71-24808 *	US-PATENT-3,430,227	c 08	N71-19687 *
US-PATENT-3,382,105	c 03	N71-29044 *	US-PATENT-3,416,274	c 31	N71-24035 *	US-PATENT-3,430,337	c 07	N69-39974 #
US-PATENT-3,382,107	c 03	N71-22974 *	US-PATENT-3,416,939	c 18	N71-24183 *	US-PATENT-3,430,460	c 15	N69-27505 #
US-PATENT-3,382,714	c 14	N71-22989 *	US-PATENT-3,416,975	c 17	N71-23828 *	US-PATENT-3,430,902	c 14	N69-27486 #
US-PATENT-3,383,461	c 07	N71-23026 *	US-PATENT-3,416,988	c 15	N71-24164 *	US-PATENT-3,430,909	c 11	N69-27466 #
US-PATENT-3,383,524	c 10	N71-23029 *	US-PATENT-3,417,247	c 14	N71-23797 *	US-PATENT-3,430,937	c 15	N69-27483 #
US-PATENT-3,383,903	c 14	N71-23036 *	US-PATENT-3,417,266	c 09	N71-23270 *	US-PATENT-3,430,942	c 15	N69-27504 #
US-PATENT-3,383,922	c 14	N71-22752 *	US-PATENT-3,417,298	c 10	N71-23271 *	US-PATENT-3,431,149	c 14	N69-27459 #
US-PATENT-3,384,016	c 31	N71-23008 *	US-PATENT-3,417,316	c 14	N71-23174 *	US-PATENT-3,431,397	c 15	N69-27871 #
US-PATENT-3,384,075	c 05	N71-22896 *	US-PATENT-3,417,321	c 09	N71-23316 *	US-PATENT-3,431,460	c 09	N71-23189 *
US-PATENT-3,384,111	c 15	N71-22706 *	US-PATENT-3,417,332	c 07	N71-23405 *	US-PATENT-3,431,559	c 09	N69-24333 #
US-PATENT-3,384,324	c 33	N71-22792 *	US-PATENT-3,417,399	c 30	N71-23723 *	US-PATENT-3,432,370	c 09	N69-27422 #
US-PATENT-3,384,820	c 09	N71-23021 *	US-PATENT-3,417,400	c 07	N71-28809 *	US-PATENT-3,433,015	c 28	N71-20330 #
US-PATENT-3,384,895	c 07	N71-22984 *	US-PATENT-3,419,329	c 14	N71-23268 *	US-PATENT-3,433,079	c 14	N69-27503 #
US-PATENT-3,385,036	c 15	N71-22721 *	US-PATENT-3,419,363	c 18	N71-23710 *	US-PATENT-3,433,662	c 14	N71-20461 *
US-PATENT-3,386,337	c 15	N71-22799 *	US-PATENT-3,419,384	c 17	N73-28573 #	US-PATENT-3,433,818	c 06	N71-23230 #
US-PATENT-3,386,685	c 31	N71-22968 *	US-PATENT-3,419,433	c 03	N71-23187 *	US-PATENT-3,433,909	c 10	N71-23663 *
US-PATENT-3,386,686	c 31	N71-22969 *	US-PATENT-3,419,531	c 27	N79-21191 #	US-PATENT-3,433,953	c 14	N69-27484 #
US-PATENT-3,387,149	c 14	N71-22993 *	US-PATENT-3,419,537	c 06	N71-23500 *	US-PATENT-3,433,960	c 16	N69-27491 #
US-PATENT-3,387,218	c 37	N78-17386 #	US-PATENT-3,419,827	c 09	N71-23548 *	US-PATENT-3,433,961	c 14	N69-27432 #
US-PATENT-3,388,258	c 14	N71-22996 *	US-PATENT-3,419,964	c 14	N69-21363 #	US-PATENT-3,434,033	c 09	N69-39984 #
US-PATENT-3,388,387	c 10	N71-23033 *	US-PATENT-3,419,992	c 14	N71-23401 *	US-PATENT-3,434,037	c 10	N71-26414 *
US-PATENT-3,388,590	c 14	N71-23087 *	US-PATENT-3,420,069	c 15	N69-21465 #	US-PATENT-3,434,050	c 09	N71-20569 #
US-PATENT-3,389,017	c 15	N71-23022 *	US-PATENT-3,420,223	c 05	N69-21925 #	US-PATENT-3,434,064	c 09	N69-39986 #
US-PATENT-3,389,260	c 14	N71-23269 *	US-PATENT-3,420,225	c 05	N69-21473 #	US-PATENT-3,434,855	c 18	N71-24184 *
US-PATENT-3,389,346	c 10	N71-28859 *	US-PATENT-3,420,253	c 12	N69-21466 #	US-PATENT-3,434,885	c 03	N71-20492 *
US-PATENT-3,389,877	c 15	N71-28936 *	US-PATENT-3,420,338	c 15	N71-26243 #	US-PATENT-3,435,265	c 14	N69-24331 #
US-PATENT-3,390,017	c 03	N71-23336 *	US-PATENT-3,420,338	c 05	N69-21380 #	US-PATENT-3,437,394	c 14	N69-27461 #
US-PATENT-3,390,020	c 26	N71-23654 *	US-PATENT-3,420,471	c 15	N69-21460 #	US-PATENT-3,437,527	c 13	N69-24267 #
US-PATENT-3,390,023	c 26	N75-29236 #	US-PATENT-3,420,704	c 15	N69-21542 #	US-PATENT-3,437,560	c 04	N69-27487 #
US-PATENT-3,390,282	c 09	N71-23311 *	US-PATENT-3,420,945	c 09	N69-21542 #	US-PATENT-3,437,818	c 03	N71-23354 #
US-PATENT-3,390,378	c 08	N71-23295 *	US-PATENT-3,420,978	c 15	N69-21471 #	US-PATENT-3,437,832	c 09	N69-27463 #
US-PATENT-3,390,528	c 20	N79-21124 #	US-PATENT-3,421,004	c 14	N71-19568 *	US-PATENT-3,437,874	c 08	N71-20571 *
US-PATENT-3,391,080	c 15	N71-24046 *	US-PATENT-3,421,053	c 15	N69-21472 #	US-PATENT-3,437,903	c 03	N69-25146 #
US-PATENT-3,392,403	c 23	N71-23976 *	US-PATENT-3,421,056	c 14	N69-23191 #	US-PATENT-3,437,919	c 14	N69-27423 #
US-PATENT-3,392,866	c 14	N71-24232 *	US-PATENT-3,421,105	c 09	N69-21543 #	US-PATENT-3,437,935	c 14	N69-24324 #
US-PATENT-3,392,864	c 18	N71-23658 *	US-PATENT-3,421,134	c 09	N69-21470 #	US-PATENT-3,437,959	c 09	N69-24323 #
US-PATENT-3,392,865	c 15	N71-23816 *	US-PATENT-3,421,331	c 15	N69-23190 #	US-PATENT-3,438,044	c 07	N69-27460 #
US-PATENT-3,392,936	c 01	N71-23497 *	US-PATENT-3,421,363	c 11	N69-21540 #	US-PATENT-3,438,044	c 07	N69-27460 #
US-PATENT-3,393,059	c 05	N69-21922 #	US-PATENT-3,421,506	c 05	N69-23192 #	US-PATENT-3,438,263	c 14	N71-20435 *
US-PATENT-3,393,330	c 06	N71-23499 *	US-PATENT-3,421,541	c 15	N69-21924 #	US-PATENT-3,439,886	c 31	N69-27499 #
US-PATENT-3,393,332	c 22	N71-23599 *	US-PATENT-3,421,549	c 03	N69-21469 #	US-PATENT-3,440,419	c 14	N73-28491 #
US-PATENT-3,393,332	c 09	N71-23443 *	US-PATENT-3,421,591	c 14	N69-21923 #	US-PATENT-3,442,674	c 25	N82-29370 #
US-PATENT-3,393,347	c 10	N71-23543 *	US-PATENT-3,421,700	c 15	N69-23185 #	US-PATENT-3,443,128	c 03	N69-39890 #
US-PATENT-3,393,380	c 10	N71-23544 *	US-PATENT-3,421,768	c 15	N69-21362 #	US-PATENT-3,443,208	c 14	N71-20428 *
US-PATENT-3,393,384	c 09	N71-23573 *	US-PATENT-3,421,864	c 17	N71-23046 *	US-PATENT-3,443,384	c 28	N71-24321 *
US-PATENT-3,394,286	c 14	N73-30391 #	US-PATENT-3,421,948	c 03	N69-21337 #	US-PATENT-3,443,390	c 11	N71-24964 *
US-PATENT-3,394,359	c 08	N71-28925 *	US-PATENT-3,421,948	c 03	N69-21337 #	US-PATENT-3,443,412	c 15	N71-23811 *
US-PATENT-3,394,975	c 23	N71-30027 *	US-PATENT-3,422,213	c 03	N69-21539 #	US-PATENT-3,443,412	c 15	N71-23254 *
US-PATENT-3,395,053	c 18	N71-23047 *	US-PATENT-3,422,278	c 09	N69-21466 #	US-PATENT-3,443,416	c 06	N69-39936 #
US-PATENT-3,395,565	c 14	N73-30390 #	US-PATENT-3,422,291	c 25	N69-21929 #	US-PATENT-3,443,472	c 15	N71-23254 *
US-PATENT-3,396,057	c 26	N71-23043 #	US-PATENT-3,422,324	c 14	N69-21541 #	US-PATENT-3,443,583	c 14	N71-18625 *
US-PATENT-3,396,184	c 06	N71-23043 #	US-PATENT-3,422,352	c 14	N71-19431 *	US-PATENT-3,443,584	c 32	N71-16106 *
US-PATENT-3,396,303	c 06	N71-28808 *	US-PATENT-3,422,354	c 09	N69-21926 #	US-PATENT-3,443,732	c 15	N71-15607 #
US-PATENT-3,396,334	c 09	N71-22987 *	US-PATENT-3,422,354	c 09	N69-21927 #	US-PATENT-3,443,773	c 31	N71-23912 *
US-PATENT-3,396,584	c 14	N71-30026 *	US-PATENT-3,422,390	c 08	N69-21928 #	US-PATENT-3,443,779	c 01	N69-39981 #
US-PATENT-3,396,719	c 52	N79-21750 #	US-PATENT-3,422,440	c 09	N69-21467 #	US-PATENT-3,444,051	c 05	N71-11207 #
US-PATENT-3,396,920	c 31	N71-29050 *	US-PATENT-3,422,440	c 09	N69-21467 #	US-PATENT-3,444,127	c 06	N71-11237 #
US-PATENT-3,397,094	c 25	N71						

US-PATENT-3,446,997	c 03	N69-39898 * #	US-PATENT-3,470,303	c 14	N71-23267 *	US-PATENT-3,493,291	c 14	N71-15622 * #
US-PATENT-3,446,998	c 09	N69-39929 * #	US-PATENT-3,470,314	c 07	N71-26579 *	US-PATENT-3,493,294	c 14	N71-15605 * #
US-PATENT-3,447,003	c 09	N71-20446 *	US-PATENT-3,470,318	c 07	N71-24612 *	US-PATENT-3,493,401	c 18	N71-14014 * #
US-PATENT-3,447,015	c 06	N69-39889 * #	US-PATENT-3,470,342	c 09	N71-19610 *	US-PATENT-3,493,415	c 15	N71-15610 * #
US-PATENT-3,447,071	c 25	N69-39884 * #	US-PATENT-3,470,443	c 03	N71-23239 *	US-PATENT-3,493,437	c 03	N71-11056 * #
US-PATENT-3,447,154	c 21	N71-11766 * #	US-PATENT-3,470,446	c 09	N71-23188 *	US-PATENT-3,493,522	c 06	N71-11243 * #
US-PATENT-3,447,155	c 09	N71-18598 *	US-PATENT-3,470,466	c 14	N71-23699 *	US-PATENT-3,493,524	c 06	N71-11242 * #
US-PATENT-3,447,233	c 15	N69-39786 * #	US-PATENT-3,470,475	c 10	N71-19467 *	US-PATENT-3,493,665	c 14	N71-15621 * #
US-PATENT-3,447,774	c 15	N71-19485 *	US-PATENT-3,470,489	c 09	N71-23598 *	US-PATENT-3,493,677	c 07	N71-11300 * #
US-PATENT-3,447,850	c 09	N71-18600 *	US-PATENT-3,470,495	c 10	N71-23669 *	US-PATENT-3,493,711	c 15	N71-14932 * #
US-PATENT-3,448,273	c 07	N69-39736 * #	US-PATENT-3,470,496	c 09	N71-19470 *	US-PATENT-3,493,746	c 15	N71-15606 * #
US-PATENT-3,448,290	c 10	N71-23315 *	US-PATENT-3,471,856	c 30	N71-16090 *	US-PATENT-3,493,797	c 15	N71-17652 * #
US-PATENT-3,448,341	c 09	N71-12526 * #	US-PATENT-3,471,858	c 07	N71-12391 * #	US-PATENT-3,493,805	c 09	N71-12521 * #
US-PATENT-3,448,346	c 15	N71-18701 *	US-PATENT-3,472,019	c 10	N71-26326 *	US-PATENT-3,493,901	c 09	N71-12517 * #
US-PATENT-3,450,842	c 07	N69-39978 * #	US-PATENT-3,472,059	c 14	N71-23755 *	US-PATENT-3,493,929	c 08	N71-12505 * #
US-PATENT-3,450,878	c 14	N71-20430 *	US-PATENT-3,472,060	c 14	N71-26131 *	US-PATENT-3,493,942	c 08	N71-12504 * #
US-PATENT-3,450,946	c 09	N69-39897 * #	US-PATENT-3,472,069	c 15	N71-20444 *	US-PATENT-3,495,260	c 21	N71-13958 * #
US-PATENT-3,452,103	c 06	N73-30101 * #	US-PATENT-3,472,080	c 10	N71-26339 *	US-PATENT-3,495,262	c 07	N71-12396 * #
US-PATENT-3,452,423	c 26	N71-16037 *	US-PATENT-3,472,086	c 15	N71-23809 *	US-PATENT-3,498,840	c 44	N82-24642 * #
US-PATENT-3,452,872	c 14	N69-39896 * #	US-PATENT-3,472,140	c 14	N71-26474 *	US-PATENT-3,498,841	c 44	N82-24641 * #
US-PATENT-3,453,172	c 15	N69-39735 * #	US-PATENT-3,472,202	c 17	N71-24911 *	US-PATENT-3,500,020	c 01	N71-13411 * #
US-PATENT-3,453,462	c 03	N69-39983 * #	US-PATENT-3,472,372	c 15	N71-20440 *	US-PATENT-3,500,525	c 15	N71-17688 * #
US-PATENT-3,453,546	c 05	N71-12342 * #	US-PATENT-3,472,470	c 02	N71-20570 *	US-PATENT-3,500,677	c 14	N71-17584 * #
US-PATENT-3,453,878	c 09	N79-21083 * #	US-PATENT-3,472,577	c 23	N71-24857 *	US-PATENT-3,500,686	c 12	N71-17569 * #
US-PATENT-3,454,410	c 18	N69-39979 * #	US-PATENT-3,472,625	c 06	N71-23527 *	US-PATENT-3,500,688	c 14	N71-17587 * #
US-PATENT-3,454,766	c 35	N75-27329 * #	US-PATENT-3,472,629	c 14	N71-20442 *	US-PATENT-3,500,747	c 09	N71-18599 * #
US-PATENT-3,455,121	c 14	N71-20427 *	US-PATENT-3,472,698	c 03	N71-23449 *	US-PATENT-3,500,827	c 05	N71-11203 * #
US-PATENT-3,455,171	c 23	N71-16098 *	US-PATENT-3,472,709	c 18	N71-26153 *	US-PATENT-3,501,112	c 15	N71-17693 * #
US-PATENT-3,456,112	c 08	N69-39937 * #	US-PATENT-3,472,742	c 17	N71-24830 *	US-PATENT-3,501,632	c 27	N71-16348 * #
US-PATENT-3,456,193	c 09	N71-19763 *	US-PATENT-3,472,998	c 16	N71-20400 *	US-PATENT-3,501,641	c 20	N71-16340 * #
US-PATENT-3,456,201	c 08	N69-39885 * #	US-PATENT-3,473,050	c 09	N71-20447 *	US-PATENT-3,501,648	c 10	N71-24799 * #
US-PATENT-3,458,104	c 15	N71-20393 *	US-PATENT-3,473,116	c 25	N71-20563 *	US-PATENT-3,501,649	c 10	N71-18723 * #
US-PATENT-3,458,313	c 14	N71-17574 *	US-PATENT-3,473,165	c 05	N71-26333 *	US-PATENT-3,501,664	c 14	N71-17585 * #
US-PATENT-3,458,651	c 09	N71-19449 *	US-PATENT-3,473,216	c 15	N71-20443 *	US-PATENT-3,501,683	c 15	N71-17694 * #
US-PATENT-3,458,702	c 14	N71-18699 *	US-PATENT-3,473,379	c 12	N71-26387 *	US-PATENT-3,501,684	c 09	N71-26092 * #
US-PATENT-3,458,726	c 10	N69-39888 * #	US-PATENT-3,473,758	c 03	N71-20273 *	US-PATENT-3,501,701	c 08	N71-18692 * #
US-PATENT-3,458,833	c 10	N71-19418 *	US-PATENT-3,474,192	c 07	N71-26102 *	US-PATENT-3,501,704	c 07	N71-11282 * #
US-PATENT-3,458,851	c 09	N69-39734 * #	US-PATENT-3,474,220	c 15	N71-19486 *	US-PATENT-3,501,712	c 09	N71-19516 * #
US-PATENT-3,459,391	c 03	N71-11058 * #	US-PATENT-3,474,328	c 14	N71-26266 *	US-PATENT-3,501,743	c 09	N71-18843 * #
US-PATENT-3,460,378	c 14	N71-24233 *	US-PATENT-3,474,357	c 09	N71-20445 *	US-PATENT-3,501,750	c 08	N71-19288 * #
US-PATENT-3,460,379	c 15	N71-24834 *	US-PATENT-3,474,413	c 10	N71-26103 *	US-PATENT-3,501,752	c 08	N71-18595 * #
US-PATENT-3,460,381	c 14	N71-23725 *	US-PATENT-3,474,441	c 08	N71-19544 *	US-PATENT-3,501,764	c 10	N71-18722 * #
US-PATENT-3,460,397	c 15	N71-24045 *	US-PATENT-3,475,384	c 06	N73-30103 * #	US-PATENT-3,502,051	c 15	N71-17647 * #
US-PATENT-3,460,759	c 28	N71-23968 *	US-PATENT-3,475,442	c 26	N75-27125 * #	US-PATENT-3,502,074	c 05	N71-11190 * #
US-PATENT-3,460,781	c 14	N71-23698 *	US-PATENT-3,475,675	c 33	N78-17295 * #	US-PATENT-3,502,141	c 33	N71-16277 * #
US-PATENT-3,460,995	c 03	N71-20407 *	US-PATENT-3,478,514	c 37	N77-22479 * #	US-PATENT-3,503,251	c 32	N71-16428 * #
US-PATENT-3,461,290	c 14	N71-26475 *	US-PATENT-3,480,789	c 10	N71-26626 *	US-PATENT-3,504,258	c 10	N71-18724 * #
US-PATENT-3,461,393	c 10	N71-26415 *	US-PATENT-3,481,638	c 15	N71-26312 *	US-PATENT-3,504,983	c 23	N71-16341 * #
US-PATENT-3,461,437	c 10	N71-26434 *	US-PATENT-3,481,802	c 31	N79-21226 * #	US-PATENT-3,506,496	c 44	N82-24645 * #
US-PATENT-3,461,700	c 15	N71-26346 *	US-PATENT-3,481,887	c 18	N71-26155 *	US-PATENT-3,507,034	c 15	N71-17650 * #
US-PATENT-3,461,721	c 12	N71-20436 *	US-PATENT-3,482,179	c 10	N71-26331 *	US-PATENT-3,507,114	c 27	N71-16392 * #
US-PATENT-3,461,855	c 15	N71-20268 *	US-PATENT-3,483,535	c 10	N71-26418 *	US-PATENT-3,507,146	c 05	N71-11202 * #
US-PATENT-3,463,001	c 04	N71-20429 *	US-PATENT-3,484,712	c 10	N71-26374 *	US-PATENT-3,507,150	c 20	N71-16281 * #
US-PATENT-3,463,563	c 15	N71-23812 *	US-PATENT-3,485,290	c 20	N79-21123 * #	US-PATENT-3,507,425	c 15	N71-17628 * #
US-PATENT-3,463,673	c 03	N71-20491 *	US-PATENT-3,486,123	c 16	N71-24831 *	US-PATENT-3,507,436	c 08	N71-19420 * #
US-PATENT-3,463,679	c 17	N71-24142 *	US-PATENT-3,487,216	c 14	N71-24809 *	US-PATENT-3,507,704	c 03	N71-11052 * #
US-PATENT-3,463,761	c 06	N73-30099 * #	US-PATENT-3,487,281	c 15	N71-24695 *	US-PATENT-3,507,706	c 03	N71-18698 * #
US-PATENT-3,463,762	c 06	N73-30100 * #	US-PATENT-3,487,288	c 10	N71-25139 *	US-PATENT-3,508,036	c 08	N71-18693 * #
US-PATENT-3,463,939	c 10	N71-19471 *	US-PATENT-3,487,680	c 15	N71-17696 *	US-PATENT-3,508,039	c 08	N71-19437 * #
US-PATENT-3,464,012	c 14	N71-26244 *	US-PATENT-3,487,765	c 54	N78-17679 * #	US-PATENT-3,508,053	c 09	N71-18830 * #
US-PATENT-3,464,016	c 10	N71-19472 *	US-PATENT-3,488,103	c 14	N71-15604 * #	US-PATENT-3,508,070	c 03	N71-11057 * #
US-PATENT-3,464,018	c 09	N71-23525 *	US-PATENT-3,488,123	c 14	N71-17627 *	US-PATENT-3,508,152	c 07	N71-11266 * #
US-PATENT-3,464,049	c 32	N71-15974 *	US-PATENT-3,488,414	c 15	N71-17803 *	US-PATENT-3,508,156	c 07	N71-11267 * #
US-PATENT-3,464,051	c 15	N71-17685 *	US-PATENT-3,488,461	c 09	N71-12518 * #	US-PATENT-3,508,347	c 05	N71-24606 * #
US-PATENT-3,465,482	c 31	N71-16080 *	US-PATENT-3,488,504	c 21	N71-15642 *	US-PATENT-3,508,402	c 33	N71-16104 * #
US-PATENT-3,465,567	c 15	N71-18579 *	US-PATENT-3,488,771	c 54	N78-17678 * #	US-PATENT-3,508,541	c 05	N71-11193 * #
US-PATENT-3,465,569	c 14	N71-17659 *	US-PATENT-3,490,074	c 54	N78-17677 * #	US-PATENT-3,508,578	c 32	N71-16103 * #
US-PATENT-3,465,584	c 14	N71-23726 *	US-PATENT-3,490,130	c 05	N71-12345 * #	US-PATENT-3,508,723	c 31	N71-16222 * #
US-PATENT-3,465,638	c 11	N71-18578 *	US-PATENT-3,490,205	c 14	N71-17588 *	US-PATENT-3,508,724	c 02	N71-11037 * #
US-PATENT-3,465,986	c 31	N71-20396 *	US-PATENT-3,490,235	c 28	N71-14044 * #	US-PATENT-3,508,739	c 15	N71-17648 * #
US-PATENT-3,466,052	c 15	N71-19570 *	US-PATENT-3,490,238	c 15	N70-22192 * #	US-PATENT-3,508,779	c 15	N71-24897 * #
US-PATENT-3,466,085	c 05	N71-12343 * #	US-PATENT-3,490,405	c 15	N71-15597 * #	US-PATENT-3,508,940	c 18	N71-16124 * #
US-PATENT-3,466,198	c 03	N71-19545 *	US-PATENT-3,490,440	c 05	N71-12346 * #	US-PATENT-3,508,955	c 18	N71-16105 * #
US-PATENT-3,466,243	c 15	N71-23810 *	US-PATENT-3,490,718	c 33	N71-14035 * #	US-PATENT-3,508,999	c 15	N71-17687 * #
US-PATENT-3,466,418	c 15	N71-18613 * #	US-PATENT-3,490,719	c 21	N71-14159 * #	US-PATENT-3,509,034	c 14	N71-17575 * #
US-PATENT-3,466,424	c 15	N71-20395 *	US-PATENT-3,490,721	c 02	N71-11039 * #	US-PATENT-3,509,386	c 03	N71-11055 * #
US-PATENT-3,466,459	c 09	N71-26000 *	US-PATENT-3,490,939	c 33	N71-14032 * #	US-PATENT-3,509,419	c 24	N71-16213 * #
US-PATENT-3,466,484	c 14	N71-18482 *	US-PATENT-3,490,965	c 09	N71-12513 * #	US-PATENT-3,509,469	c 23	N71-16099 * #
US-PATENT-3,466,560	c 09	N71-19466 *	US-PATENT-3,491,202	c 07	N71-12392 * #	US-PATENT-3,509,475	c 09	N71-24596 * #
US-PATENT-3,466,570	c 10	N71-25950 *	US-PATENT-3,491,255	c 09	N71-12514 * #	US-PATENT-3,509,491	c 09	N71-18721 * #
US-PATENT-3,467,837	c 09	N71-23317 *	US-PATENT-3,491,335	c 14	N71-15620 * #	US-PATENT-3,509,551	c 08	N71-18694 * #
US-PATENT-3,468,303	c 05	N71-26002 *	US-PATENT-3,491,857	c 14	N71-17626 *	US-PATENT-3,509,558	c 08	N71-19435 * #
US-PATENT-3,468,548	c 15	N71-26294 *	US-PATENT-3,492,176	c 27	N71-14090 * #	US-PATENT-3,509,570	c 09	N71-18720 * #
US-PATENT-3,468,609	c 15	N71-24170 *	US-PATENT-3,492,672	c 05	N71-12344 * #	US-PATENT-3,509,578	c 07	N71-19493 * #
US-PATENT-3,468,727	c 16	N71-25892 *	US-PATENT-3,492,739	c 15	N71-15571 *	US-PATENT-3,511,880	c 31	N79-21227 * #
US-PATENT-3,468,765	c 17	N71-25903 *	US-PATENT-3,492,858	c 35	N78-17358 * #	US-PATENT-3,512,009	c 08	N71-18751 * #
US-PATENT-3,469,068	c 15	N71-23815 *	US-PATENT-3,492,862	c 14	N71-15600 * #	US-PATENT-3,514,785	c 54	N78-18761 * #
US-PATENT-3,469,069	c 15	N71-23798 * #	US-PATENT-3,492,947	c 28	N71-14058 * #	US-PATENT-3,516,091	c 05	N71-24623 * #
US-PATENT-3,469,087	c 16	N71-25914 *	US-PATENT-3,493,003	c 15	N71-15609 * #	US-PATENT-3,516,179	c 11	N71-19494 * #
US-PATENT-3,469,143	c 33	N75-29318 * #	US-PATENT-3,493,004	c 12	N71-17579 * #	US-PATENT-3,516,185	c 12	N71-18603 * #
US-PATENT-3,469,289	c 15	N71-25975 *	US-PATENT-3,493,012	c 15	N71-15608 * #	US-PATENT-3,516,284	c 12	N71-17573 * #
US-PATENT-3,469,375	c 14	N71-18483 *	US-PATENT-3,493,027	c 31	N71-18611 *	US-PATENT-3,516,404	c 05	N71-17599 * #
US-PATENT-3,469,436	c 15	N71-23817 *	US-PATENT-3,493,153	c 05	N71-12351 * #	US-PATENT-3,516,711	c 05	N71-12341 * #
US-PATENT-3,469,437	c 14	N71-24234 *	US-PATENT-3,493,155	c 26	N71-14354 * #	US-PATENT-3,516,879	c 23	N71-16212 * #
US-PATENT-3,469,734	c 11	N71-17600 *	US-PATENT-3,493,194	c 21	N71-14132 * #	US-PATENT-3,516,964	c 06	N71-11240 * #
US-PATENT-3,470,043	c 15	N71-24047 *	US-PATENT-3,493,197					

US-PATENT-3,516,971	c 06	N71-24740 *	US-PATENT-3,535,013	c 16	N71-15551 *	US-PATENT-3,549,799	c 09	N71-25866 *
US-PATENT-3,517,109	c 07	N71-19436 *	US-PATENT-3,535,014	c 16	N71-15565 *	US-PATENT-3,549,882	c 15	N71-24896 *
US-PATENT-3,517,162	c 33	N71-16278 *	US-PATENT-3,535,024	c 14	N71-17662 *	US-PATENT-3,549,955	c 09	N71-24892 *
US-PATENT-3,517,171	c 08	N71-24633 *	US-PATENT-3,535,041	c 14	N71-17655 *	US-PATENT-3,550,023	c 09	N71-24806 *
US-PATENT-3,517,221	c 10	N71-19547 *	US-PATENT-3,535,110	c 17	N71-15468 *	US-PATENT-3,550,034	c 16	N71-24832 *
US-PATENT-3,517,268	c 10	N71-19469 *	US-PATENT-3,535,130	c 18	N71-15469 *	US-PATENT-3,550,129	c 21	N71-24948 *
US-PATENT-3,517,302	c 25	N71-16073 *	US-PATENT-3,535,165	c 33	N71-15568 *	US-PATENT-3,550,585	c 05	N71-24738 *
US-PATENT-3,517,318	c 08	N71-19432 *	US-PATENT-3,535,179	c 15	N71-17651 *	US-PATENT-3,551,266	c 33	N71-24858 *
US-PATENT-3,517,328	c 16	N71-18614 #	US-PATENT-3,535,352	c 18	N71-15688 *	US-PATENT-3,551,816	c 07	N71-24613 *
US-PATENT-3,518,232	c 06	N71-11235 #	US-PATENT-3,535,446	c 09	N71-12539 #	US-PATENT-3,551,831	c 33	N75-27251 #
US-PATENT-3,519,483	c 44	N82-24644 #	US-PATENT-3,535,451	c 07	N71-11281 #	US-PATENT-3,552,124	c 28	N71-26642 *
US-PATENT-3,519,484	c 44	N82-24643 #	US-PATENT-3,535,497	c 08	N71-24890 #	US-PATENT-3,552,125	c 28	N71-26173 *
US-PATENT-3,520,190	c 10	N71-13537 #	US-PATENT-3,535,543	c 09	N71-13486 #	US-PATENT-3,553,002	c 18	N71-26100 *
US-PATENT-3,520,238	c 14	N71-18465 *	US-PATENT-3,535,547	c 09	N71-12520 #	US-PATENT-3,553,586	c 07	N71-26292 *
US-PATENT-3,520,317	c 12	N71-17578 *	US-PATENT-3,535,554	c 09	N71-12516 #	US-PATENT-3,553,704	c 10	N71-26142 *
US-PATENT-3,520,496	c 31	N71-16345 *	US-PATENT-3,535,560	c 08	N71-12494 #	US-PATENT-3,553,904	c 15	N71-26134 *
US-PATENT-3,520,503	c 31	N71-16085 *	US-PATENT-3,535,562	c 33	N71-27862 *	US-PATENT-3,554,466	c 31	N71-26537 *
US-PATENT-3,520,617	c 23	N71-16101 *	US-PATENT-3,535,570	c 15	N71-24696 *	US-PATENT-3,554,647	c 23	N71-26206 *
US-PATENT-3,520,660	c 23	N71-16355 *	US-PATENT-3,535,586	c 25	N71-15562 *	US-PATENT-3,554,806	c 03	N71-26084 *
US-PATENT-3,521,054	c 06	N71-13461 #	US-PATENT-3,535,602	c 09	N71-13522 #	US-PATENT-3,555,192	c 07	N71-26181 *
US-PATENT-3,521,143	c 08	N71-18752 *	US-PATENT-3,535,642	c 08	N71-12503 #	US-PATENT-3,555,361	c 10	N71-26531 *
US-PATENT-3,521,290	c 31	N71-16102 *	US-PATENT-3,535,644	c 09	N71-12519 #	US-PATENT-3,555,455	c 23	N71-26722 *
US-PATENT-3,523,228	c 10	N71-24861 *	US-PATENT-3,535,657	c 07	N71-12390 #	US-PATENT-3,555,483	c 35	N77-21393 #
US-PATENT-3,526,030	c 15	N71-17686 *	US-PATENT-3,535,658	c 08	N71-12500 #	US-PATENT-3,555,867	c 15	N71-26148 *
US-PATENT-3,526,134	c 33	N71-16356 *	US-PATENT-3,535,683	c 31	N71-15566 *	US-PATENT-3,555,898	c 12	N71-26546 *
US-PATENT-3,526,139	c 31	N71-16221 *	US-PATENT-3,535,696	c 08	N71-12506 #	US-PATENT-3,556,048	c 09	N71-26701 *
US-PATENT-3,526,140	c 27	N71-16223 *	US-PATENT-3,535,702	c 09	N71-12515 #	US-PATENT-3,556,634	c 07	N71-26291 *
US-PATENT-3,526,359	c 33	N71-16357 *	US-PATENT-3,536,103	c 15	N71-19213 #	US-PATENT-3,557,027	c 06	N71-25929 *
US-PATENT-3,526,365	c 28	N71-16224 *	US-PATENT-3,537,096	c 08	N71-12507 #	US-PATENT-3,557,534	c 15	N71-26185 *
US-PATENT-3,526,372	c 31	N71-16346 *	US-PATENT-3,537,103	c 08	N71-24650 *	US-PATENT-3,559,031	c 10	N71-26085 *
US-PATENT-3,526,382	c 15	N71-17649 *	US-PATENT-3,537,107	c 05	N71-24730 *	US-PATENT-3,559,096	c 10	N71-25882 *
US-PATENT-3,526,460	c 23	N71-16365 *	US-PATENT-3,537,305	c 26	N71-25490 *	US-PATENT-3,559,460	c 14	N71-26672 *
US-PATENT-3,526,473	c 18	N71-15545 *	US-PATENT-3,537,515	c 09	N71-24807 *	US-PATENT-3,559,937	c 19	N71-26674 *
US-PATENT-3,526,580	c 18	N71-16210 *	US-PATENT-3,537,668	c 05	N71-24728 *	US-PATENT-3,560,081	c 19	N71-26674 *
US-PATENT-3,526,611	c 06	N71-11236 #	US-PATENT-3,537,672	c 15	N71-24694 *	US-PATENT-3,560,161	c 06	N71-26754 *
US-PATENT-3,526,845	c 09	N71-13531 #	US-PATENT-3,538,053	c 27	N78-17214 #	US-PATENT-3,561,828	c 15	N71-26189 *
US-PATENT-3,526,897	c 09	N71-13521 #	US-PATENT-3,539,905	c 09	N71-24800 *	US-PATENT-3,562,575	c 09	N71-26182 *
US-PATENT-3,527,724	c 27	N78-33228 #	US-PATENT-3,540,045	c 09	N71-24595 *	US-PATENT-3,562,631	c 14	N71-26137 *
US-PATENT-3,529,480	c 15	N71-17692 *	US-PATENT-3,540,048	c 31	N71-24813 *	US-PATENT-3,562,857	c 15	N71-26721 *
US-PATENT-3,529,928	c 17	N71-16393 *	US-PATENT-3,540,050	c 09	N71-24804 *	US-PATENT-3,562,881	c 09	N71-26678 *
US-PATENT-3,530,336	c 09	N71-13518 #	US-PATENT-3,540,054	c 07	N71-24625 *	US-PATENT-3,562,919	c 15	N71-26145 *
US-PATENT-3,531,964	c 15	N71-18616 *	US-PATENT-3,540,056	c 07	N71-24614 *	US-PATENT-3,563,135	c 15	N71-27147 *
US-PATENT-3,531,978	c 14	N71-18481 *	US-PATENT-3,540,250	c 15	N71-24865 *	US-PATENT-3,563,198	c 18	N71-26285 *
US-PATENT-3,531,982	c 15	N71-18132 *	US-PATENT-3,540,449	c 15	N71-24835 *	US-PATENT-3,563,232	c 05	N71-27234 *
US-PATENT-3,531,989	c 33	N71-15641 *	US-PATENT-3,540,615	c 33	N71-25351 *	US-PATENT-3,563,307	c 15	N71-26611 *
US-PATENT-3,532,118	c 12	N71-18615 *	US-PATENT-3,540,676	c 15	N71-24600 *	US-PATENT-3,563,668	c 14	N71-26788 *
US-PATENT-3,532,128	c 15	N71-18580 *	US-PATENT-3,540,790	c 16	N71-26154 *	US-PATENT-3,563,727	c 15	N71-27184 *
US-PATENT-3,532,427	c 21	N71-19212 *	US-PATENT-3,540,802	c 23	N71-24868 *	US-PATENT-3,563,918	c 06	N71-27363 *
US-PATENT-3,532,428	c 30	N71-15990 *	US-PATENT-3,540,942	c 15	N71-24875 *	US-PATENT-3,564,234	c 09	N71-26787 *
US-PATENT-3,532,538	c 18	N71-16046 *	US-PATENT-3,540,989	c 24	N71-25555 *	US-PATENT-3,564,401	c 14	N71-26135 *
US-PATENT-3,532,551	c 03	N71-11049 #	US-PATENT-3,541,250	c 07	N71-24742 *	US-PATENT-3,564,420	c 14	N71-26774 *
US-PATENT-3,532,568	c 17	N71-16044 *	US-PATENT-3,541,312	c 08	N71-24691 *	US-PATENT-3,564,564	c 15	N71-26162 *
US-PATENT-3,532,673	c 06	N71-11238 #	US-PATENT-3,541,314	c 07	N71-24741 *	US-PATENT-3,564,866	c 23	N71-26654 *
US-PATENT-3,532,807	c 07	N71-19433 *	US-PATENT-3,541,346	c 09	N71-24803 *	US-PATENT-3,564,906	c 32	N71-26681 *
US-PATENT-3,532,819	c 10	N71-19468 *	US-PATENT-3,541,361	c 09	N71-24904 *	US-PATENT-3,565,530	c 15	N71-26673 *
US-PATENT-3,532,866	c 08	N71-18602 *	US-PATENT-3,541,422	c 03	N71-24719 *	US-PATENT-3,565,584	c 15	N71-27372 *
US-PATENT-3,532,880	c 24	N71-16095 *	US-PATENT-3,541,428	c 09	N71-24893 *	US-PATENT-3,565,607	c 17	N71-26773 *
US-PATENT-3,532,894	c 23	N71-16100 *	US-PATENT-3,541,439	c 09	N71-24843 *	US-PATENT-3,565,719	c 03	N71-26726 *
US-PATENT-3,532,948	c 10	N71-18772 *	US-PATENT-3,541,450	c 07	N71-24840 *	US-PATENT-3,566,027	c 07	N71-27341 *
US-PATENT-3,532,960	c 03	N71-12255 #	US-PATENT-3,541,459	c 10	N71-24844 *	US-PATENT-3,566,045	c 08	N71-27210 *
US-PATENT-3,532,973	c 15	N71-17822 *	US-PATENT-3,541,479	c 09	N71-24841 *	US-PATENT-3,566,122	c 14	N71-27323 *
US-PATENT-3,532,975	c 10	N71-19421 *	US-PATENT-3,541,486	c 16	N71-28554 *	US-PATENT-3,566,143	c 14	N71-27407 *
US-PATENT-3,532,979	c 10	N71-12554 #	US-PATENT-3,541,679	c 03	N71-24681 *	US-PATENT-3,566,158	c 10	N71-27126 #
US-PATENT-3,532,985	c 07	N71-19773 *	US-PATENT-3,541,825	c 15	N71-24836 *	US-PATENT-3,566,268	c 10	N71-26577 *
US-PATENT-3,533,001	c 07	N71-24583 *	US-PATENT-3,541,875	c 15	N71-24984 *	US-PATENT-3,566,396	c 10	N71-26544 *
US-PATENT-3,533,006	c 10	N72-28241 #	US-PATENT-3,543,050	c 10	N71-24862 *	US-PATENT-3,566,459	c 14	N71-27334 *
US-PATENT-3,533,074	c 08	N71-12502 #	US-PATENT-3,543,159	c 09	N71-24717 *	US-PATENT-3,566,676	c 14	N71-26199 *
US-PATENT-3,533,093	c 10	N71-19417 *	US-PATENT-3,543,839	c 34	N78-17337 #	US-PATENT-3,566,993	c 15	N71-27169 *
US-PATENT-3,533,098	c 08	N71-18594 *	US-PATENT-3,545,208	c 28	N71-25213 *	US-PATENT-3,567,155	c 21	N71-27324 *
US-PATENT-3,534,365	c 07	N71-19854 *	US-PATENT-3,545,226	c 23	N71-24725 *	US-PATENT-3,567,339	c 15	N71-27084 *
US-PATENT-3,534,367	c 02	N71-19287 *	US-PATENT-3,545,252	c 11	N71-24985 *	US-PATENT-3,567,651	c 18	N71-27170 *
US-PATENT-3,534,375	c 07	N71-11285 #	US-PATENT-3,545,262	c 38	N76-28563 #	US-PATENT-3,567,677	c 18	N71-25881 *
US-PATENT-3,534,376	c 07	N71-26101 *	US-PATENT-3,545,275	c 09	N71-24597 *	US-PATENT-3,567,861	c 10	N71-25865 *
US-PATENT-3,534,406	c 05	N71-11195 #	US-PATENT-3,545,725	c 15	N71-24599 *	US-PATENT-3,567,913	c 10	N71-27137 *
US-PATENT-3,534,407	c 05	N71-11194 #	US-PATENT-3,545,792	c 15	N71-24903 *	US-PATENT-3,567,927	c 14	N71-28863 *
US-PATENT-3,534,479	c 14	N71-17657 *	US-PATENT-3,546,386	c 07	N71-24621 *	US-PATENT-3,568,010	c 09	N71-27232 *
US-PATENT-3,534,480	c 14	N71-17658 *	US-PATENT-3,546,471	c 14	N71-24864 *	US-PATENT-3,568,028	c 10	N71-27136 *
US-PATENT-3,534,485	c 11	N71-18773 *	US-PATENT-3,546,552	c 15	N71-24895 *	US-PATENT-3,568,103	c 10	N71-25900 *
US-PATENT-3,534,555	c 12	N71-17631 *	US-PATENT-3,546,553	c 09	N71-24805 *	US-PATENT-3,568,197	c 07	N71-27056 *
US-PATENT-3,534,584	c 10	N71-13545 #	US-PATENT-3,546,684	c 07	N71-24624 *	US-PATENT-3,568,447	c 15	N71-27432 *
US-PATENT-3,534,585	c 14	N71-17701 *	US-PATENT-3,546,694	c 10	N71-24798 *	US-PATENT-3,568,572	c 15	N71-27754 *
US-PATENT-3,534,592	c 14	N71-17656 *	US-PATENT-3,546,705	c 09	N71-24842 *	US-PATENT-3,568,702	c 10	N71-25899 *
US-PATENT-3,534,596	c 14	N71-17586 *	US-PATENT-3,546,917	c 15	N71-24679 *	US-PATENT-3,568,748	c 15	N71-27091 *
US-PATENT-3,534,597	c 31	N71-15643 *	US-PATENT-3,546,920	c 06	N71-24607 *	US-PATENT-3,568,795	c 15	N71-27067 *
US-PATENT-3,534,650	c 15	N71-17653 *	US-PATENT-3,546,931	c 32	N71-25360 *	US-PATENT-3,568,805	c 15	N71-27146 *
US-PATENT-3,534,686	c 31	N71-15687 *	US-PATENT-3,547,105	c 09	N71-24618 *	US-PATENT-3,568,874	c 15	N71-27068 *
US-PATENT-3,534,727	c 05	N71-11189 #	US-PATENT-3,547,376	c 31	N71-25434 *	US-PATENT-3,568,885	c 14	N71-27005 *
US-PATENT-3,534,765	c 12	N71-17661 *	US-PATENT-3,547,540	c 16	N71-24828 *	US-PATENT-3,569,710	c 14	N71-25901 *
US-PATENT-3,534,826	c 31	N71-15689 *	US-PATENT-3,547,801	c 03	N71-24718 *	US-PATENT-3,569,744	c 09	N71-27016 *
US-PATENT-3,534,836	c 15	N71-17805 *	US-PATENT-3,548,107	c 07	N71-24622 *	US-PATENT-3,569,804	c 09	

US-PATENT-3,570,143	c 10	N71-27365 *	US-PATENT-3,588,874	c 09	N71-33519 *	US-PATENT-3,613,110	c 08	N72-21199 * #
US-PATENT-3,570,364	c 28	N71-26779 *	US-PATENT-3,588,883	c 10	N71-33407 *	US-PATENT-3,613,111	c 08	N72-21200 * #
US-PATENT-3,570,513	c 12	N71-27332 *	US-PATENT-3,591,420	c 03	N71-33409 *	US-PATENT-3,613,370	c 28	N72-22770 * #
US-PATENT-3,570,785	c 28	N71-27585 *	US-PATENT-3,591,426	c 17	N71-33408 *	US-PATENT-3,613,454	c 35	N77-27368 * #
US-PATENT-3,570,789	c 02	N71-27088 *	US-PATENT-3,591,885	c 15	N72-11390 *	US-PATENT-3,613,457	c 15	N72-22482 * #
US-PATENT-3,571,555	c 15	N71-27135 *	US-PATENT-3,591,960	c 15	N72-12409 *	US-PATENT-3,613,794	c 12	N72-21310 * #
US-PATENT-3,571,656	c 09	N71-27001 *	US-PATENT-3,591,967	c 28	N71-17109 *	US-PATENT-3,614,228	c 14	N72-21409 * #
US-PATENT-3,571,662	c 10	N71-27366 *	US-PATENT-3,592,422	c 15	N72-11391 *	US-PATENT-3,614,327	c 08	N72-22162 * #
US-PATENT-3,571,693	c 09	N71-27364 *	US-PATENT-3,592,478	c 09	N72-11224 *	US-PATENT-3,614,343	c 07	N72-21119 * #
US-PATENT-3,571,699	c 09	N71-27053 *	US-PATENT-3,592,505	c 05	N72-11085 *	US-PATENT-3,614,431	c 14	N72-21408 * #
US-PATENT-3,571,700	c 14	N71-27325 *	US-PATENT-3,592,545	c 14	N72-11364 *	US-PATENT-3,614,475	c 10	N72-16172 * #
US-PATENT-3,571,707	c 10	N71-27338 *	US-PATENT-3,592,559	c 02	N72-11018 *	US-PATENT-3,614,557	c 26	N72-21701 * #
US-PATENT-3,571,800	c 10	N71-27272 *	US-PATENT-3,592,628	c 15	N72-11387 *	US-PATENT-3,614,587	c 09	N72-22196 * #
US-PATENT-3,571,801	c 08	N71-27255 *	US-PATENT-3,592,768	c 15	N72-11389 *	US-PATENT-3,614,648	c 09	N72-21247 * #
US-PATENT-3,572,089	c 14	N71-27185 *	US-PATENT-3,593,001	c 15	N72-11392 *	US-PATENT-3,614,772	c 08	N72-22163 * #
US-PATENT-3,572,104	c 28	N71-27094 *	US-PATENT-3,593,024	c 24	N72-11595 *	US-PATENT-3,614,898	c 15	N72-21462 * #
US-PATENT-3,572,112	c 15	N71-27006 *	US-PATENT-3,593,132	c 09	N72-11225 *	US-PATENT-3,614,899	c 09	N72-22195 * #
US-PATENT-3,572,610	c 28	N71-27095 *	US-PATENT-3,593,138	c 07	N72-11149 *	US-PATENT-3,615,021	c 15	N72-22483 * #
US-PATENT-3,572,935	c 14	N71-27215 *	US-PATENT-3,593,175	c 10	N72-11256 *	US-PATENT-3,615,241	c 15	N72-21465 * #
US-PATENT-3,573,078	c 27	N82-29451 * #	US-PATENT-3,593,180	c 07	N72-11150 *	US-PATENT-3,615,465	c 06	N72-21094 * #
US-PATENT-3,573,470	c 74	N78-33913 * #	US-PATENT-3,593,194	c 16	N72-12440 *	US-PATENT-3,615,853	c 03	N72-22042 * #
US-PATENT-3,573,504	c 33	N78-17294 * #	US-PATENT-3,594,790	c 07	N72-12080 *	US-PATENT-3,616,338	c 15	N72-21466 * #
US-PATENT-3,573,583	c 09	N71-28886 *	US-PATENT-3,594,803	c 09	N72-12136 *	US-PATENT-3,616,528	c 03	N72-22041 * #
US-PATENT-3,573,797	c 08	N71-27057 *	US-PATENT-3,596,465	c 28	N72-11708 *	US-PATENT-3,617,804	c 25	N72-22453 * #
US-PATENT-3,573,977	c 15	N71-28582 *	US-PATENT-3,596,510	c 14	N72-11363 *	US-PATENT-3,619,896	c 15	N72-22487 * #
US-PATENT-3,573,986	c 03	N71-28579 *	US-PATENT-3,596,554	c 15	N72-11385 *	US-PATENT-3,619,924	c 11	N72-22247 * #
US-PATENT-3,573,996	c 18	N71-29040 *	US-PATENT-3,596,863	c 15	N72-11386 *	US-PATENT-3,620,018	c 28	N72-22771 * #
US-PATENT-3,574,057	c 22	N71-28759 *	US-PATENT-3,597,281	c 03	N72-11062 *	US-PATENT-3,620,069	c 14	N72-22440 * #
US-PATENT-3,574,084	c 14	N71-28933 *	US-PATENT-3,598,921	c 08	N72-11171 *	US-PATENT-3,620,076	c 11	N72-22246 * #
US-PATENT-3,574,277	c 15	N71-28467 *	US-PATENT-3,599,216	c 07	N72-11148 *	US-PATENT-3,620,083	c 14	N72-22438 * #
US-PATENT-3,574,286	c 11	N71-27036 *	US-PATENT-3,599,335	c 08	N72-11172 *	US-PATENT-3,620,095	c 15	N72-21463 * #
US-PATENT-3,574,438	c 07	N71-29065 *	US-PATENT-3,599,443	c 05	N72-11084 *	US-PATENT-3,620,585	c 15	N72-22490 * #
US-PATENT-3,574,448	c 23	N71-29123 *	US-PATENT-3,599,489	c 14	N72-11365 *	US-PATENT-3,620,598	c 14	N72-22445 * #
US-PATENT-3,574,462	c 14	N71-29041 *	US-PATENT-3,600,046	c 15	N72-11388 *	US-PATENT-3,620,606	c 23	N72-22673 * #
US-PATENT-3,574,467	c 23	N71-29125 *	US-PATENT-3,600,599	c 33	N78-17296 * #	US-PATENT-3,620,719	c 17	N72-22535 * #
US-PATENT-3,574,470	c 14	N71-28993 *	US-PATENT-3,602,920	c 11	N72-17183 * #	US-PATENT-3,620,784	c 18	N72-23581 * #
US-PATENT-3,574,770	c 06	N71-27254 *	US-PATENT-3,602,923	c 05	N72-22093 * #	US-PATENT-3,620,791	c 18	N72-22566 * #
US-PATENT-3,575,336	c 15	N71-27214 *	US-PATENT-3,602,979	c 15	N72-22492 * #	US-PATENT-3,620,846	c 31	N72-22874 * #
US-PATENT-3,575,585	c 14	N71-27058 *	US-PATENT-3,602,984	c 26	N72-17820 * #	US-PATENT-3,621,130	c 08	N72-22164 * #
US-PATENT-3,575,597	c 14	N71-27090 *	US-PATENT-3,603,092	c 28	N72-17843 * #	US-PATENT-3,621,193	c 15	N72-23497 * #
US-PATENT-3,575,602	c 16	N71-27183 *	US-PATENT-3,603,093	c 28	N72-18766 * #	US-PATENT-3,621,194	c 15	N72-22491 * #
US-PATENT-3,575,638	c 09	N71-26133 *	US-PATENT-3,603,260	c 33	N72-17947 * #	US-PATENT-3,621,228	c 08	N72-22165 * #
US-PATENT-3,575,641	c 10	N71-26334 *	US-PATENT-3,603,285	c 25	N75-29192 * #	US-PATENT-3,621,277	c 10	N72-22236 * #
US-PATENT-3,576,107	c 28	N71-26781 *	US-PATENT-3,603,382	c 33	N72-17948 * #	US-PATENT-3,621,285	c 09	N72-22200 * #
US-PATENT-3,576,127	c 14	N71-26161 *	US-PATENT-3,603,433	c 15	N72-17450 * #	US-PATENT-3,621,287	c 09	N72-22201 * #
US-PATENT-3,576,135	c 15	N71-26635 *	US-PATENT-3,603,532	c 30	N72-17873 * #	US-PATENT-3,621,290	c 09	N72-22202 * #
US-PATENT-3,576,301	c 02	N71-26110 *	US-PATENT-3,603,683	c 14	N72-17326 * #	US-PATENT-3,621,294	c 09	N72-23171 * #
US-PATENT-3,576,656	c 18	N71-26772 *	US-PATENT-3,603,686	c 16	N72-13437 * #	US-PATENT-3,621,330	c 33	N77-21316 * #
US-PATENT-3,576,669	c 15	N71-29032 *	US-PATENT-3,603,690	c 14	N72-17323 * #	US-PATENT-3,621,362	c 09	N72-22203 * #
US-PATENT-3,576,723	c 09	N71-28691 *	US-PATENT-3,603,722	c 07	N72-17109 * #	US-PATENT-3,621,372	c 09	N72-25249 * #
US-PATENT-3,576,766	c 06	N71-28620 *	US-PATENT-3,603,772	c 08	N72-22166 * #	US-PATENT-3,621,406	c 09	N72-33204 * #
US-PATENT-3,577,014	c 10	N71-28860 *	US-PATENT-3,603,798	c 09	N72-17152 * #	US-PATENT-3,621,407	c 09	N72-21245 * #
US-PATENT-3,577,092	c 07	N71-28430 *	US-PATENT-3,603,864	c 09	N72-17154 * #	US-PATENT-3,621,565	c 09	N72-22199 * #
US-PATENT-3,577,356	c 06	N73-30102 * #	US-PATENT-3,603,892	c 09	N72-17155 * #	US-PATENT-3,623,030	c 08	N72-21198 * #
US-PATENT-3,578,755	c 14	N71-29134 *	US-PATENT-3,603,946	c 09	N72-17153 * #	US-PATENT-3,623,094	c 10	N72-22235 * #
US-PATENT-3,578,756	c 11	N71-28629 *	US-PATENT-3,603,974	c 14	N72-18411 * #	US-PATENT-3,623,107	c 07	N72-21117 * #
US-PATENT-3,578,758	c 14	N71-28992 *	US-PATENT-3,603,976	c 08	N72-18184 * #	US-PATENT-3,623,114	c 07	N72-22127 * #
US-PATENT-3,578,838	c 16	N71-29131 *	US-PATENT-3,605,032	c 10	N72-17172 * #	US-PATENT-3,623,359	c 35	N77-27367 * #
US-PATENT-3,578,867	c 14	N71-28994 *	US-PATENT-3,605,424	c 15	N72-17453 * #	US-PATENT-3,623,360	c 14	N72-21405 * #
US-PATENT-3,578,957	c 08	N71-29033 *	US-PATENT-3,605,482	c 14	N72-16282 * #	US-PATENT-3,623,361	c 14	N72-21407 * #
US-PATENT-3,578,988	c 09	N71-29139 *	US-PATENT-3,605,495	c 14	N72-17327 * #	US-PATENT-3,623,394	c 15	N72-22488 * #
US-PATENT-3,578,992	c 09	N71-28421 *	US-PATENT-3,605,519	c 14	N72-17324 * #	US-PATENT-3,623,828	c 15	N72-22489 * #
US-PATENT-3,579,041	c 09	N71-29008 *	US-PATENT-3,606,212	c 31	N72-18859 * #	US-PATENT-3,623,861	c 17	N72-22530 * #
US-PATENT-3,579,103	c 14	N71-28991 *	US-PATENT-3,606,470	c 46	N74-23068 * #	US-PATENT-3,624,496	c 15	N72-21464 * #
US-PATENT-3,579,122	c 08	N71-29034 *	US-PATENT-3,606,522	c 23	N72-23695 * #	US-PATENT-3,624,598	c 21	N72-22619 * #
US-PATENT-3,579,146	c 08	N71-29138 *	US-PATENT-3,606,979	c 15	N72-17454 * #	US-PATENT-3,624,650	c 07	N72-21118 * #
US-PATENT-3,579,147	c 07	N71-28429 *	US-PATENT-3,607,015	c 06	N72-17093 * #	US-PATENT-3,624,659	c 09	N72-21246 * #
US-PATENT-3,579,168	c 09	N71-29035 *	US-PATENT-3,607,076	c 06	N72-17094 * #	US-PATENT-3,624,839	c 05	N72-20098 * #
US-PATENT-3,579,242	c 07	N71-28980 *	US-PATENT-3,607,080	c 06	N72-17095 * #	US-PATENT-3,625,018	c 15	N72-22484 * #
US-PATENT-3,579,390	c 18	N71-28729 *	US-PATENT-3,607,338	c 18	N72-17532 * #	US-PATENT-3,625,084	c 15	N72-22485 * #
US-PATENT-3,579,412	c 17	N71-28747 *	US-PATENT-3,607,401	c 03	N72-15986 * #	US-PATENT-3,625,766	c 03	N72-20032 * #
US-PATENT-3,581,492	c 28	N71-28915 *	US-PATENT-3,607,495	c 15	N72-16330 * #	US-PATENT-3,626,114	c 35	N79-16246 * #
US-PATENT-3,582,828	c 33	N77-21314 * #	US-PATENT-3,608,046	c 15	N72-16329 * #	US-PATENT-3,626,189	c 14	N72-20381 * #
US-PATENT-3,582,960	c 09	N71-28618 *	US-PATENT-3,608,365	c 15	N72-17452 * #	US-PATENT-3,626,218	c 14	N72-22439 * #
US-PATENT-3,583,058	c 15	N71-29018 *	US-PATENT-3,608,409	c 14	N72-16283 * #	US-PATENT-3,626,298	c 07	N72-20140 * #
US-PATENT-3,583,239	c 15	N71-29132 *	US-PATENT-3,608,844	c 15	N72-18477 * #	US-PATENT-3,626,308	c 10	N72-20223 * #
US-PATENT-3,583,322	c 05	N71-28619 *	US-PATENT-3,609,230	c 09	N72-17156 * #	US-PATENT-3,626,828	c 14	N72-20380 * #
US-PATENT-3,583,419	c 12	N71-28741 *	US-PATENT-3,609,271	c 09	N72-22204 * #	US-PATENT-3,628,113	c 37	N77-27400 * #
US-PATENT-3,583,744	c 15	N71-29133 *	US-PATENT-3,609,327	c 08	N72-22167 * #	US-PATENT-3,629,068	c 22	N72-20597 * #
US-PATENT-3,583,777	c 15	N71-28465 *	US-PATENT-3,609,353	c 14	N72-17328 * #	US-PATENT-3,629,161	c 18	N72-22567 * #
US-PATENT-3,583,815	c 15	N71-28740 *	US-PATENT-3,609,364	c 10	N72-17173 * #	US-PATENT-3,630,276	c 33	N72-20915 * #
US-PATENT-3,584,311	c 09	N71-28468 *	US-PATENT-3,609,387	c 09	N72-17157 * #	US-PATENT-3,630,304	c 11	N72-20244 * #
US-PATENT-3,584,660	c 15	N72-12408 *	US-PATENT-3,609,535	c 14	N72-17325 * #	US-PATENT-3,630,627	c 03	N72-20033 * #
US-PATENT-3,585,514	c 10	N71-33129 *	US-PATENT-3,609,567	c 10	N72-17171 * #	US-PATENT-3,631,399	c 08	N72-20177 * #
US-PATENT-3,585,882	c 15	N71-33518 *	US-PATENT-3,609,740	c 05	N72-16015 * #	US-PATENT-3,631,351	c 10	N72-20224 * #
US-PATENT-3,586,261	c 31	N71-33160 *	US-PATENT-3,610,365	c 15	N72-17451 * #	US-PATENT-3,631,382	c 09	N72-20220 * #
US-PATENT-3,587,306	c 11	N71-33612 *	US-PATENT-3,611,274	c 15	N72-17455 * #	US-PATENT-3,631,737	c 15	N72-28495 * #
US-PATENT-3,587,424	c 16	N71-33410 *	US-PATENT-3,611,330	c 23	N72-17747 * #	US-PATENT-3,632,081	c 15	N72-20442 * #

US-PATENT-3,635,537	c 33	N80-14330	#	US-PATENT-3,665,307	c 15	N72-25457	#	US-PATENT-3,700,192	c 31	N73-13898	#
US-PATENT-3,635,765	c 03	N72-20034	#	US-PATENT-3,665,313	c 07	N72-25173	#	US-PATENT-3,700,193	c 30	N73-12884	#
US-PATENT-3,636,539	c 03	N72-20031	#	US-PATENT-3,665,417	c 07	N72-25172	#	US-PATENT-3,700,291	c 15	N73-12488	#
US-PATENT-3,636,564	c 05	N72-22092	#	US-PATENT-3,665,467	c 14	N72-28437	#	US-PATENT-3,700,334	c 14	N73-12446	#
US-PATENT-3,636,623	c 15	N72-20444	#	US-PATENT-3,665,481	c 07	N72-25174	#	US-PATENT-3,700,503	c 14	N73-12447	#
US-PATENT-3,636,711	c 28	N72-20758	#	US-PATENT-3,665,589	c 09	N72-25261	#	US-PATENT-3,700,538	c 18	N73-12604	#
US-PATENT-3,636,966	c 05	N72-20097	#	US-PATENT-3,665,669	c 15	N72-25454	#	US-PATENT-3,700,575	c 15	N73-12487	#
US-PATENT-3,637,051	c 15	N72-20443	#	US-PATENT-3,665,670	c 11	N72-25287	#	US-PATENT-3,700,603	c 14	N73-14428	#
US-PATENT-3,637,170	c 21	N72-21624	#	US-PATENT-3,665,750	c 33	N72-25913	#	US-PATENT-3,700,812	c 10	N73-12244	#
US-PATENT-3,637,312	c 14	N72-20379	#	US-PATENT-3,665,751	c 32	N72-25877	#	US-PATENT-3,700,868	c 09	N73-13209	#
US-PATENT-3,637,842	c 06	N72-20121	#	US-PATENT-3,665,758	c 11	N72-25288	#	US-PATENT-3,700,869	c 08	N73-12175	#
US-PATENT-3,638,002	c 08	N72-21197	#	US-PATENT-3,666,051	c 15	N72-25453	#	US-PATENT-3,700,893	c 14	N73-12444	#
US-PATENT-3,638,066	c 10	N72-20225	#	US-PATENT-3,666,120	c 03	N72-25021	#	US-PATENT-3,700,897	c 14	N73-12445	#
US-PATENT-3,638,103	c 09	N72-21243	#	US-PATENT-3,666,566	c 03	N72-26031	#	US-PATENT-3,700,961	c 23	N73-13660	#
US-PATENT-3,638,114	c 10	N72-20222	#	US-PATENT-3,666,631	c 14	N72-25413	#	US-PATENT-3,701,631	c 17	N73-12547	#
US-PATENT-3,638,224	c 09	N72-21244	#	US-PATENT-3,666,718	c 06	N72-25151	#	US-PATENT-3,701,894	c 07	N73-13149	#
US-PATENT-3,639,250	c 14	N72-22443	#	US-PATENT-3,666,741	c 06	N72-25150	#	US-PATENT-3,702,463	c 08	N73-13187	#
US-PATENT-3,639,510	c 06	N72-22107	#	US-PATENT-3,666,942	c 06	N72-25146	#	US-PATENT-3,702,520	c 32	N73-13921	#
US-PATENT-3,639,809	c 15	N72-22486	#	US-PATENT-3,667,010	c 26	N72-25679	#	US-PATENT-3,702,532	c 15	N73-13467	#
US-PATENT-3,639,835	c 14	N72-22442	#	US-PATENT-3,667,039	c 26	N72-25680	#	US-PATENT-3,702,536	c 28	N73-13773	#
US-PATENT-3,640,256	c 28	N72-22772	#	US-PATENT-3,667,044	c 07	N72-25171	#	US-PATENT-3,702,575	c 15	N73-13466	#
US-PATENT-3,641,470	c 35	N78-17359	#	US-PATENT-3,668,956	c 15	N72-27485	#	US-PATENT-3,702,688	c 31	N73-14854	#
US-PATENT-3,647,276	c 14	N72-22444	#	US-PATENT-3,669,110	c 05	N72-27103	#	US-PATENT-3,702,735	c 23	N73-13651	#
US-PATENT-3,647,529	c 27	N74-23125	#	US-PATENT-3,669,393	c 15	N72-27484	#	US-PATENT-3,702,762	c 06	N73-13129	#
US-PATENT-3,647,924	c 11	N72-23215	#	US-PATENT-3,670,097	c 23	N72-27278	#	US-PATENT-3,702,775	c 06	N73-13128	#
US-PATENT-3,648,043	c 09	N72-23173	#	US-PATENT-3,670,168	c 14	N72-27409	#	US-PATENT-3,702,791	c 15	N73-13465	#
US-PATENT-3,648,083	c 12	N72-25292	#	US-PATENT-3,670,202	c 14	N72-27411	#	US-PATENT-3,702,841	c 18	N73-13562	#
US-PATENT-3,648,152	c 03	N72-23048	#	US-PATENT-3,670,241	c 14	N72-27408	#	US-PATENT-3,702,898	c 10	N73-13235	#
US-PATENT-3,648,209	c 09	N72-27226	#	US-PATENT-3,670,290	c 09	N72-28225	#	US-PATENT-3,702,933	c 23	N73-13662	#
US-PATENT-3,648,250	c 09	N72-25248	#	US-PATENT-3,670,559	c 33	N72-27959	#	US-PATENT-3,702,951	c 09	N73-13208	#
US-PATENT-3,648,256	c 08	N72-25207	#	US-PATENT-3,670,563	c 14	N72-27412	#	US-PATENT-3,702,972	c 16	N73-13489	#
US-PATENT-3,648,275	c 08	N72-25206	#	US-PATENT-3,670,564	c 11	N72-27262	#	US-PATENT-3,702,979	c 14	N73-13420	#
US-PATENT-3,648,461	c 28	N72-23810	#	US-PATENT-3,670,890	c 05	N72-27102	#	US-PATENT-3,704,284	c 74	N81-19898	#
US-PATENT-3,648,516	c 35	N74-22095	#	US-PATENT-3,671,101	c 26	N72-27784	#	US-PATENT-3,704,659	c 14	N73-14427	#
US-PATENT-3,649,242	c 15	N72-25448	#	US-PATENT-3,671,129	c 14	N72-27410	#	US-PATENT-3,705,255	c 15	N73-14469	#
US-PATENT-3,649,353	c 26	N72-28762	#	US-PATENT-3,671,497	c 06	N72-27144	#	US-PATENT-3,705,288	c 15	N73-14468	#
US-PATENT-3,649,356	c 15	N72-25447	#	US-PATENT-3,671,798	c 10	N72-27246	#	US-PATENT-3,705,316	c 09	N73-14214	#
US-PATENT-3,649,462	c 11	N72-25284	#	US-PATENT-3,672,999	c 03	N72-27053	#	US-PATENT-3,705,406	c 07	N73-14130	#
US-PATENT-3,649,907	c 09	N72-23172	#	US-PATENT-3,673,424	c 09	N72-27227	#	US-PATENT-3,706,221	c 14	N73-14429	#
US-PATENT-3,649,921	c 05	N72-23085	#	US-PATENT-3,673,440	c 09	N72-27228	#	US-PATENT-3,706,230	c 31	N73-14855	#
US-PATENT-3,649,935	c 07	N72-25170	#	US-PATENT-3,675,332	c 14	N72-28436	#	US-PATENT-3,706,281	c 31	N73-14853	#
US-PATENT-3,650,095	c 14	N72-23457	#	US-PATENT-3,675,376	c 15	N72-28496	#	US-PATENT-3,706,583	c 18	N73-14584	#
US-PATENT-3,650,474	c 28	N72-23809	#	US-PATENT-3,675,712	c 03	N72-28025	#	US-PATENT-3,706,970	c 21	N73-14692	#
US-PATENT-3,651,008	c 27	N81-24258	#	US-PATENT-3,675,910	c 17	N72-28535	#	US-PATENT-3,708,359	c 27	N73-16764	#
US-PATENT-3,653,052	c 09	N72-25247	#	US-PATENT-3,675,935	c 15	N72-29488	#	US-PATENT-3,708,419	c 33	N73-16918	#
US-PATENT-3,653,882	c 18	N72-25539	#	US-PATENT-3,676,084	c 17	N72-28536	#	US-PATENT-3,708,671	c 14	N73-16483	#
US-PATENT-3,653,970	c 03	N72-24037	#	US-PATENT-3,676,674	c 14	N72-29464	#	US-PATENT-3,708,674	c 14	N73-16484	#
US-PATENT-3,654,036	c 03	N72-25019	#	US-PATENT-3,676,754	c 26	N72-28761	#	US-PATENT-3,709,663	c 06	N73-16106	#
US-PATENT-3,655,814	c 27	N81-15104	#	US-PATENT-3,676,772	c 10	N72-28240	#	US-PATENT-3,710,122	c 16	N73-16536	#
US-PATENT-3,656,313	c 23	N72-25619	#	US-PATENT-3,676,787	c 16	N72-28521	#	US-PATENT-3,710,257	c 07	N73-16121	#
US-PATENT-3,656,317	c 33	N72-25911	#	US-PATENT-3,676,809	c 09	N72-29172	#	US-PATENT-3,710,261	c 10	N73-16205	#
US-PATENT-3,656,352	c 14	N72-25411	#	US-PATENT-3,678,191	c 10	N72-31273	#	US-PATENT-3,710,329	c 10	N73-16206	#
US-PATENT-3,656,781	c 15	N72-25450	#	US-PATENT-3,678,654	c 06	N72-31140	#	US-PATENT-3,711,042	c 02	N73-19004	#
US-PATENT-3,657,190	c 23	N82-29358	#	US-PATENT-3,678,685	c 21	N72-31637	#	US-PATENT-3,711,701	c 74	N77-21941	#
US-PATENT-3,657,549	c 14	N72-25409	#	US-PATENT-3,678,771	c 37	N74-23070	#	US-PATENT-3,712,120	c 14	N73-19421	#
US-PATENT-3,657,644	c 14	N72-24477	#	US-PATENT-3,679,360	c 04	N72-33072	#	US-PATENT-3,712,121	c 14	N73-19420	#
US-PATENT-3,657,928	c 14	N72-25410	#	US-PATENT-3,679,899	c 06	N72-31141	#	US-PATENT-3,712,132	c 14	N73-20478	#
US-PATENT-3,658,295	c 15	N72-25451	#	US-PATENT-3,680,142	c 09	N72-31235	#	US-PATENT-3,712,195	c 14	N73-19419	#
US-PATENT-3,658,569	c 15	N72-25452	#	US-PATENT-3,680,144	c 07	N72-32169	#	US-PATENT-3,712,591	c 15	N73-19458	#
US-PATENT-3,658,608	c 27	N72-25699	#	US-PATENT-3,680,830	c 15	N72-31483	#	US-PATENT-3,713,163	c 09	N73-19234	#
US-PATENT-3,658,974	c 15	N72-24522	#	US-PATENT-3,681,581	c 08	N72-31226	#	US-PATENT-3,713,290	c 28	N73-19793	#
US-PATENT-3,659,043	c 14	N72-25412	#	US-PATENT-3,686,542	c 14	N72-31446	#	US-PATENT-3,713,480	c 05	N73-20137	#
US-PATENT-3,659,053	c 08	N72-25208	#	US-PATENT-3,690,291	c 15	N72-32487	#	US-PATENT-3,713,987	c 15	N73-20514	#
US-PATENT-3,659,148	c 09	N72-25250	#	US-PATENT-3,692,533	c 05	N72-33096	#	US-PATENT-3,714,332	c 15	N73-19457	#
US-PATENT-3,659,184	c 09	N72-25251	#	US-PATENT-3,693,002	c 25	N72-32688	#	US-PATENT-3,714,405	c 10	N73-20253	#
US-PATENT-3,659,225	c 16	N72-25485	#	US-PATENT-3,693,105	c 10	N72-33230	#	US-PATENT-3,714,432	c 14	N73-20475	#
US-PATENT-3,659,292	c 08	N72-25209	#	US-PATENT-3,693,346	c 15	N72-33477	#	US-PATENT-3,714,526	c 09	N73-19235	#
US-PATENT-3,660,240	c 06	N72-25149	#	US-PATENT-3,693,418	c 14	N72-33377	#	US-PATENT-3,714,588	c 09	N73-20231	#
US-PATENT-3,660,434	c 06	N72-25148	#	US-PATENT-3,694,041	c 15	N72-33476	#	US-PATENT-3,714,624	c 14	N73-20474	#
US-PATENT-3,660,704	c 15	N72-25456	#	US-PATENT-3,694,094	c 14	N72-32452	#	US-PATENT-3,714,645	c 08	N73-20217	#
US-PATENT-3,660,851	c 05	N72-25119	#	US-PATENT-3,694,313	c 24	N72-33681	#	US-PATENT-3,714,821	c 14	N73-20476	#
US-PATENT-3,662,337	c 08	N72-25210	#	US-PATENT-3,694,581	c 08	N72-33172	#	US-PATENT-3,714,833	c 11	N73-20267	#
US-PATENT-3,662,441	c 05	N72-25121	#	US-PATENT-3,694,655	c 25	N72-33696	#	US-PATENT-3,715,092	c 03	N73-20039	#
US-PATENT-3,662,547	c 15	N72-25455	#	US-PATENT-3,694,771	c 09	N72-33205	#	US-PATENT-3,715,152	c 23	N73-20741	#
US-PATENT-3,662,604	c 13	N72-25323	#	US-PATENT-3,694,753	c 07	N72-33146	#	US-PATENT-3,715,590	c 14	N73-20477	#
US-PATENT-3,662,661	c 31	N72-25842	#	US-PATENT-3,694,771	c 09	N73-15235	#	US-PATENT-3,715,600	c 03	N73-20040	#
US-PATENT-3,662,744	c 05	N72-25122	#	US-PATENT-3,695,101	c 11	N73-12264	#	US-PATENT-3,715,660	c 07	N73-20175	#
US-PATENT-3,662,973	c 21	N72-25595	#	US-PATENT-3,696,418	c 09	N73-12211	#	US-PATENT-3,715,663	c 07	N73-20174	#
US-PATENT-3,663,346	c 18	N72-25541	#	US-PATENT-3,696,833	c 11	N73-12265	#	US-PATENT-3,715,693	c 09	N73-20232	#
US-PATENT-3,663,347	c 18	N72-25540	#	US-PATENT-3,697,021	c 15	N73-12486					

US-PATENT-3,730,891	c 18	N73-26572 * #	US-PATENT-3,752,847	c 06	N73-30098 * #	US-PATENT-3,781,902	c 35	N74-15831 * #
US-PATENT-3,731,528	c 12	N73-25262 * #	US-PATENT-3,752,986	c 14	N73-30392 * #	US-PATENT-3,781,933	c 54	N74-14845 * #
US-PATENT-3,731,531	c 14	N73-25460 * #	US-PATENT-3,752,993	c 21	N73-30640 * #	US-PATENT-3,781,958	c 37	N74-15128 * #
US-PATENT-3,732,040	c 15	N73-24513 * #	US-PATENT-3,752,996	c 91	N74-13130 * #	US-PATENT-3,782,177	c 38	N74-15395 * #
US-PATENT-3,732,158	c 17	N73-24569 * #	US-PATENT-3,753,148	c 09	N73-32111 * #	US-PATENT-3,782,181	c 34	N74-15652 * #
US-PATENT-3,732,397	c 33	N74-14935 * #	US-PATENT-3,754,236	c 08	N73-32081 * #	US-PATENT-3,782,205	c 35	N74-15094 * #
US-PATENT-3,732,405	c 10	N73-25240 * #	US-PATENT-3,754,263	c 09	N73-32110 * #	US-PATENT-3,782,334	c 51	N74-15778 * #
US-PATENT-3,732,409	c 08	N73-26175 * #	US-PATENT-3,754,976	c 15	N73-32360 * #	US-PATENT-3,782,698	c 35	N74-15093 * #
US-PATENT-3,732,567	c 14	N73-25461 * #	US-PATENT-3,755,265	c 06	N73-33076 * #	US-PATENT-3,782,699	c 35	N74-15126 * #
US-PATENT-3,733,350	c 06	N73-26100 * #	US-PATENT-3,755,283	c 06	N73-32029 * #	US-PATENT-3,782,737	c 37	N74-15125 * #
US-PATENT-3,733,424	c 32	N73-26910 * #	US-PATENT-3,755,686	c 03	N73-31988 * #	US-PATENT-3,782,825	c 35	N74-15146 * #
US-PATENT-3,733,463	c 14	N73-26430 * #	US-PATENT-3,756,920	c 05	N73-32011 * #	US-PATENT-3,782,835	c 74	N74-15095 * #
US-PATENT-3,734,432	c 02	N73-26004 * #	US-PATENT-3,757,183	c 09	N73-32107 * #	US-PATENT-3,782,904	c 35	N74-15127 * #
US-PATENT-3,735,206	c 10	N73-25243 * #	US-PATENT-3,757,476	c 31	N73-32749 * #	US-PATENT-3,783,250	c 62	N74-14920 * #
US-PATENT-3,735,591	c 25	N73-25760 * #	US-PATENT-3,757,568	c 14	N73-32323 * #	US-PATENT-3,783,354	c 33	N74-14956 * #
US-PATENT-3,736,453	c 33	N77-22386 * #	US-PATENT-3,757,659	c 14	N73-32322 * #	US-PATENT-3,783,399	c 33	N74-14939 * #
US-PATENT-3,736,607	c 02	N73-26006 * #	US-PATENT-3,758,112	c 05	N73-32014 * #	US-PATENT-3,783,443	c 35	N74-16135 * #
US-PATENT-3,736,764	c 05	N73-26071 * #	US-PATENT-3,758,718	c 10	N73-32143 * #	US-PATENT-3,784,499	c 27	N74-17283 * #
US-PATENT-3,736,849	c 14	N73-26431 * #	US-PATENT-3,758,741	c 15	N73-32358 * #	US-PATENT-3,785,836	c 27	N82-29452 * #
US-PATENT-3,736,938	c 05	N73-27062 * #	US-PATENT-3,758,781	c 14	N73-32317 * #	US-PATENT-3,787,959	c 37	N74-18128 * #
US-PATENT-3,736,956	c 15	N73-26472 * #	US-PATENT-3,758,877	c 16	N73-32391 * #	US-PATENT-3,788,163	c 37	N74-18127 * #
US-PATENT-3,737,117	c 31	N73-26876 * #	US-PATENT-3,759,152	c 14	N73-32319 * #	US-PATENT-3,789,654	c 25	N74-18551 * #
US-PATENT-3,737,118	c 15	N73-25513 * #	US-PATENT-3,759,249	c 05	N73-32015 * #	US-PATENT-3,789,920	c 34	N74-18552 * #
US-PATENT-3,737,121	c 02	N73-26005 * #	US-PATENT-3,759,443	c 28	N73-32606 * #	US-PATENT-3,789,947	c 37	N74-18125 * #
US-PATENT-3,737,181	c 33	N73-26958 * #	US-PATENT-3,759,588	c 15	N73-32359 * #	US-PATENT-3,790,037	c 54	N74-17853 * #
US-PATENT-3,737,217	c 05	N73-26072 * #	US-PATENT-3,759,672	c 14	N73-32320 * #	US-PATENT-3,790,347	c 37	N74-18123 * #
US-PATENT-3,737,231	c 07	N73-26119 * #	US-PATENT-3,759,746	c 09	N73-32108 * #	US-PATENT-3,790,409	c 44	N74-19693 * #
US-PATENT-3,737,237	c 26	N73-26751 * #	US-PATENT-3,759,747	c 44	N74-19692 * #	US-PATENT-3,790,432	c 37	N74-18126 * #
US-PATENT-3,737,639	c 10	N73-26230 * #	US-PATENT-3,759,787	c 22	N73-32528 * #	US-PATENT-3,790,650	c 31	N74-18124 * #
US-PATENT-3,737,676	c 10	N73-26229 * #	US-PATENT-3,760,239	c 09	N73-32112 * #	US-PATENT-3,790,795	c 35	N74-18088 * #
US-PATENT-3,737,757	c 10	N73-26228 * #	US-PATENT-3,760,248	c 10	N73-32145 * #	US-PATENT-3,790,906	c 33	N74-17927 * #
US-PATENT-3,737,762	c 14	N73-28486 * #	US-PATENT-3,760,257	c 09	N73-32109 * #	US-PATENT-3,791,207	c 09	N74-17955 * #
US-PATENT-3,737,776	c 07	N73-26118 * #	US-PATENT-3,760,268	c 14	N73-32318 * #	US-PATENT-3,792,399	c 33	N74-17928 * #
US-PATENT-3,737,781	c 10	N73-25241 * #	US-PATENT-3,760,394	c 10	N73-32144 * #	US-PATENT-3,793,109	c 31	N74-18089 * #
US-PATENT-3,737,815	c 09	N73-26195 * #	US-PATENT-3,762,884	c 17	N73-32414 * #	US-PATENT-3,795,134	c 09	N74-19528 * #
US-PATENT-3,737,824	c 26	N73-26752 * #	US-PATENT-3,762,918	c 17	N73-32415 * #	US-PATENT-3,795,448	c 72	N74-19310 * #
US-PATENT-3,737,905	c 14	N73-26432 * #	US-PATENT-3,763,204	c 06	N73-32030 * #	US-PATENT-3,795,840	c 33	N74-17929 * #
US-PATENT-3,737,912	c 07	N73-26117 * #	US-PATENT-3,763,552	c 26	N73-32571 * #	US-PATENT-3,795,858	c 35	N74-18029 * #
US-PATENT-3,739,646	c 04	N76-26175 * #	US-PATENT-3,763,691	c 14	N73-32327 * #	US-PATENT-3,795,862	c 33	N74-17930 * #
US-PATENT-3,740,671	c 10	N73-27171 * #	US-PATENT-3,763,708	c 35	N74-18329 * #	US-PATENT-3,795,900	c 35	N74-17885 * #
US-PATENT-3,740,725	c 08	N73-26176 * #	US-PATENT-3,763,740	c 11	N73-32152 * #	US-PATENT-3,795,910	c 44	N74-19870 * #
US-PATENT-3,741,001	c 14	N73-27376 * #	US-PATENT-3,763,928	c 33	N73-32818 * #	US-PATENT-3,796,473	c 37	N74-20063 * #
US-PATENT-3,742,316	c 09	N73-27150 * #	US-PATENT-3,764,097	c 02	N74-10034 * #	US-PATENT-3,796,592	c 24	N74-19769 * #
US-PATENT-3,744,128	c 09	N73-28083 * #	US-PATENT-3,764,209	c 14	N73-33361 * #	US-PATENT-3,797,098	c 37	N74-21057 * #
US-PATENT-3,744,148	c 14	N73-28489 * #	US-PATENT-3,764,220	c 16	N73-33397 * #	US-PATENT-3,797,919	c 70	N74-21300 * #
US-PATENT-3,744,247	c 28	N73-27699 * #	US-PATENT-3,764,790	c 33	N74-10223 * #	US-PATENT-3,798,741	c 31	N74-21059 * #
US-PATENT-3,744,294	c 14	N73-27379 * #	US-PATENT-3,764,850	c 33	N74-10195 * #	US-PATENT-3,798,748	c 37	N74-21055 * #
US-PATENT-3,744,305	c 12	N73-28144 * #	US-PATENT-3,764,933	c 33	N74-10194 * #	US-PATENT-3,798,778	c 19	N74-21015 * #
US-PATENT-3,744,320	c 14	N73-28487 * #	US-PATENT-3,765,229	c 35	N74-10415 * #	US-PATENT-3,798,896	c 37	N74-21060 * #
US-PATENT-3,744,480	c 05	N73-27941 * #	US-PATENT-3,765,958	c 26	N74-10521 * #	US-PATENT-3,799,149	c 52	N74-20728 * #
US-PATENT-3,744,510	c 15	N73-27406 * #	US-PATENT-3,766,315	c 32	N74-10132 * #	US-PATENT-3,799,475	c 02	N74-20646 * #
US-PATENT-3,744,738	c 14	N73-27378 * #	US-PATENT-3,766,380	c 35	N74-11284 * #	US-PATENT-3,799,793	c 74	N74-20008 * #
US-PATENT-3,744,739	c 15	N77-10112 * #	US-PATENT-3,767,212	c 37	N74-10474 * #	US-PATENT-3,799,813	c 76	N74-20329 * #
US-PATENT-3,744,794	c 14	N73-27377 * #	US-PATENT-3,769,544	c 31	N78-17238 * #	US-PATENT-3,800,074	c 36	N74-20009 * #
US-PATENT-3,744,912	c 16	N73-30476 * #	US-PATENT-3,769,623	c 32	N74-11000 * #	US-PATENT-3,800,082	c 71	N74-21014 * #
US-PATENT-3,744,913	c 14	N73-28490 * #	US-PATENT-3,769,689	c 37	N74-11301 * #	US-PATENT-3,800,224	c 32	N74-19790 * #
US-PATENT-3,744,972	c 17	N73-27446 * #	US-PATENT-3,769,834	c 52	N74-10975 * #	US-PATENT-3,800,227	c 32	N74-20809 * #
US-PATENT-3,745,082	c 18	N73-30532 * #	US-PATENT-3,770,021	c 33	N74-11050 * #	US-PATENT-3,800,237	c 32	N74-19788 * #
US-PATENT-3,745,089	c 06	N73-27086 * #	US-PATENT-3,770,903	c 35	N74-11283 * #	US-PATENT-3,800,253	c 37	N74-21056 * #
US-PATENT-3,745,090	c 04	N73-27052 * #	US-PATENT-3,770,933	c 37	N74-11300 * #	US-PATENT-3,801,617	c 37	N74-21058 * #
US-PATENT-3,745,149	c 06	N73-27980 * #	US-PATENT-3,771,037	c 08	N74-10942 * #	US-PATENT-3,802,249	c 35	N74-21019 * #
US-PATENT-3,745,255	c 07	N73-28012 * #	US-PATENT-3,771,040	c 33	N74-11049 * #	US-PATENT-3,802,253	c 52	N74-20726 * #
US-PATENT-3,745,300	c 15	N73-28515 * #	US-PATENT-3,771,074	c 36	N74-11313 * #	US-PATENT-3,802,262	c 35	N74-21018 * #
US-PATENT-3,745,352	c 08	N73-30135 * #	US-PATENT-3,771,959	c 25	N74-12813 * #	US-PATENT-3,802,660	c 37	N74-21065 * #
US-PATENT-3,745,357	c 14	N73-28488 * #	US-PATENT-3,772,120	c 27	N74-13270 * #	US-PATENT-3,802,773	c 37	N74-21064 * #
US-PATENT-3,745,410	c 09	N73-30181 * #	US-PATENT-3,772,216	c 27	N74-12812 * #	US-PATENT-3,802,779	c 74	N74-21304 * #
US-PATENT-3,745,475	c 14	N73-30386 * #	US-PATENT-3,772,220	c 27	N74-12814 * #	US-PATENT-3,803,090	c 24	N74-21156 * #
US-PATENT-3,745,739	c 15	N73-27405 * #	US-PATENT-3,772,272	c 33	N74-12887 * #	US-PATENT-3,803,393	c 60	N74-20836 * #
US-PATENT-3,745,816	c 33	N73-27796 * #	US-PATENT-3,772,418	c 31	N74-13177 * #	US-PATENT-3,803,445	c 32	N74-20813 * #
US-PATENT-3,746,998	c 07	N73-30113 * #	US-PATENT-3,772,691	c 32	N74-12912 * #	US-PATENT-3,803,617	c 32	N74-20863 * #
US-PATENT-3,747,111	c 07	N73-28013 * #	US-PATENT-3,773,038	c 52	N74-12778 * #	US-PATENT-3,804,472	c 37	N74-21061 * #
US-PATENT-3,748,722	c 15	N73-33383 * #	US-PATENT-3,773,913	c 46	N74-13011 * #	US-PATENT-3,804,506	c 33	N74-20861 * #
US-PATENT-3,748,853	c 23	N73-30665 * #	US-PATENT-3,775,101	c 37	N74-13179 * #	US-PATENT-3,804,525	c 36	N74-21091 * #
US-PATENT-3,748,905	c 14	N73-30395 * #	US-PATENT-3,775,570	c 35	N78-29421 * #	US-PATENT-3,804,703	c 37	N74-21063 * #
US-PATENT-3,749,123	c 15	N73-30459 * #	US-PATENT-3,776,028	c 35	N74-13129 * #	US-PATENT-3,805,266	c 32	N74-20864 * #
US-PATENT-3,749,156	c 31	N73-30829 * #	US-PATENT-3,776,432	c 37	N74-13178 * #	US-PATENT-3,805,303	c 54	N74-20725 * #
US-PATENT-3,749,205	c 15	N73-30460 * #	US-PATENT-3,776,455	c 04	N74-13420 * #	US-PATENT-3,805,622	c 35	N74-21062 * #
US-PATENT-3,749,332	c 31	N73-32750 * #	US-PATENT-3,777,200	c 33	N74-12913 * #	US-PATENT-3,806,756	c 33	N74-21850 * #
US-PATENT-3,749,362	c 15	N73-30457 * #	US-PATENT-3,777,490	c 20	N74-13502 * #	US-PATENT-3,806,802	c 35	N74-21017 * #
US-PATENT-3,749,831	c 07	N73-30115 * #	US-PATENT-3,777,546	c 35	N74-13132 * #	US-PATENT-3,806,816	c 32	N74-20811 * #
US-PATENT-3,749,911	c 14	N73-30389 * #	US-PATENT-3,777,552	c 38	N74-15130 * #	US-PATENT-3,806,816	c 32	N74-20810 * #
US-PATENT-3,750,016	c 14	N73-30388 * #	US-PATENT-3,777,605	c 39	N74-13131 * #	US-PATENT-3,806,831	c 33	N74-20862 * #
US-PATENT-3,750,035	c 33	N77-13315 * #	US-PATENT-3,777,811	c 34	N78-17336 * #	US-PATENT-3,806,834	c 36	N76-18427 * #
US-PATENT-3,750,067	c 09	N73-30185 * #	US-PATENT-3,777,942	c 54	N74-12779 * #	US-PATENT-3,806,835	c 33	N74-20859 * #
US-PATENT-3,750,131	c 10	N73-30205 * #	US-PATENT-3,778,685	c 33	N74-12951 * #	US-PATENT-3,806,932	c 33	N74-20860 * #
US-PATENT-3,750,168	c 21	N73-30641 * #	US-PATENT-3,778,786	c 60	N74-12888 * #	US-PATENT-3,807,384	c 34	N74-23039 * #
US-PATENT-3,750,479	c 05	N73-30078 * #						

US-PATENT-3,811,094	c 33	N74-21851 * #	US-PATENT-3,849,865	c 37	N75-13261 * #	US-PATENT-3,888,410	c 34	N75-26282 * #
US-PATENT-3,811,429	c 52	N74-27566 * #	US-PATENT-3,849,875	c 35	N75-13213 * #	US-PATENT-3,888,561	c 35	N75-27328 * #
US-PATENT-3,811,901	c 27	N82-29454 * #	US-PATENT-3,849,877	c 24	N75-13032 * #	US-PATENT-3,888,705	c 25	N75-26043 * #
US-PATENT-3,812,358	c 35	N74-26949 * #	US-PATENT-3,850,169	c 54	N75-13531 * #	US-PATENT-3,889,064	c 32	N75-26195 * #
US-PATENT-3,812,783	c 28	N74-27425 * #	US-PATENT-3,850,388	c 05	N75-12930 * #	US-PATENT-3,889,122	c 37	N75-26372 * #
US-PATENT-3,812,924	c 35	N74-26945 * #	US-PATENT-3,850,567	c 31	N75-13111 * #	US-PATENT-3,889,155	c 33	N75-26244 * #
US-PATENT-3,812,936	c 37	N74-26976 * #	US-PATENT-3,850,754	c 51	N75-13502 * #	US-PATENT-3,889,182	c 33	N75-26245 * #
US-PATENT-3,813,183	c 37	N74-25968 * #	US-PATENT-3,851,162	c 60	N75-13539 * #	US-PATENT-3,889,185	c 33	N75-26246 * #
US-PATENT-3,813,875	c 15	N74-27360 * #	US-PATENT-3,851,238	c 33	N75-13139 * #	US-PATENT-3,889,264	c 32	N75-26194 * #
US-PATENT-3,813,937	c 34	N74-27859 * #	US-PATENT-3,851,250	c 15	N75-13007 * #	US-PATENT-3,891,311	c 54	N75-27759 * #
US-PATENT-3,814,083	c 52	N74-26626 * #	US-PATENT-3,853,003	c 09	N75-12969 * #	US-PATENT-3,891,452	c 27	N75-27160 * #
US-PATENT-3,814,350	c 18	N74-27397 * #	US-PATENT-3,853,075	c 09	N75-12968 * #	US-PATENT-3,891,533	c 33	N75-27252 * #
US-PATENT-3,814,645	c 24	N74-30001 * #	US-PATENT-3,854,097	c 75	N75-13625 * #	US-PATENT-3,891,848	c 45	N75-27585 * #
US-PATENT-3,814,653	c 24	N74-27035 * #	US-PATENT-3,854,113	c 37	N75-13265 * #	US-PATENT-3,891,851	c 35	N75-27331 * #
US-PATENT-3,814,678	c 25	N74-26948 * #	US-PATENT-3,855,873	c 37	N75-13266 * #	US-PATENT-3,893,449	c 54	N75-27760 * #
US-PATENT-3,814,939	c 25	N74-26947 * #	US-PATENT-3,856,042	c 37	N75-15050 * #	US-PATENT-3,893,458	c 54	N75-27761 * #
US-PATENT-3,815,048	c 33	N74-26732 * #	US-PATENT-3,856,402	c 36	N75-15028 * #	US-PATENT-3,893,573	c 18	N75-27041 * #
US-PATENT-3,815,109	c 52	N74-26625 * #	US-PATENT-3,856,471	c 25	N75-14844 * #	US-PATENT-3,894,289	c 36	N75-27364 * #
US-PATENT-3,815,205	c 33	N74-26977 * #	US-PATENT-3,856,534	c 23	N75-14834 * #	US-PATENT-3,894,677	c 24	N75-28135 * #
US-PATENT-3,815,969	c 35	N74-26946 * #	US-PATENT-3,857,031	c 35	N75-15014 * #	US-PATENT-3,894,887	c 44	N76-18641 * #
US-PATENT-3,816,657	c 32	N74-26654 * #	US-PATENT-3,857,045	c 33	N75-14957 * #	US-PATENT-3,895,521	c 35	N75-29381 * #
US-PATENT-3,816,785	c 73	N74-26767 * #	US-PATENT-3,859,119	c 36	N75-15029 * #	US-PATENT-3,895,912	c 35	N75-29380 * #
US-PATENT-3,817,082	c 34	N74-27730 * #	US-PATENT-3,859,714	c 37	N75-15992 * #	US-PATENT-3,896,758	c 35	N75-33367 * #
US-PATENT-3,817,084	c 31	N74-27900 * #	US-PATENT-3,859,714	c 24	N79-25143 * #	US-PATENT-3,896,955	c 37	N77-22480 * #
US-PATENT-3,817,622	c 75	N74-30156 * #	US-PATENT-3,859,736	c 09	N75-15662 * #	US-PATENT-3,898,578	c 33	N75-30428 * #
US-PATENT-3,817,622	c 35	N74-27860 * #	US-PATENT-3,859,840	c 35	N75-15932 * #	US-PATENT-3,898,730	c 24	N75-30260 * #
US-PATENT-3,818,325	c 44	N74-27519 * #	US-PATENT-3,859,845	c 35	N75-15931 * #	US-PATENT-3,898,882	c 35	N75-30503 * #
US-PATENT-3,818,346	c 33	N74-27705 * #	US-PATENT-3,860,342	c 35	N75-16783 * #	US-PATENT-3,899,224	c 37	N75-30562 * #
US-PATENT-3,818,767	c 35	N74-28097 * #	US-PATENT-3,860,393	c 25	N76-18245 * #	US-PATENT-3,899,252	c 35	N75-30502 * #
US-PATENT-3,818,775	c 37	N74-27901 * #	US-PATENT-3,860,858	c 33	N75-15874 * #	US-PATENT-3,899,517	c 23	N75-30256 * #
US-PATENT-3,818,814	c 31	N74-27902 * #	US-PATENT-3,860,921	c 32	N75-15854 * #	US-PATENT-3,899,680	c 73	N75-30876 * #
US-PATENT-3,819,299	c 37	N74-27904 * #	US-PATENT-3,860,946	c 33	N79-11314 * #	US-PATENT-3,899,696	c 36	N75-30524 * #
US-PATENT-3,819,419	c 34	N74-27861 * #	US-PATENT-3,863,881	c 37	N75-18573 * #	US-PATENT-3,899,745	c 33	N75-30429 * #
US-PATENT-3,819,440	c 32	N74-27612 * #	US-PATENT-3,864,060	c 35	N75-19611 * #	US-PATENT-3,900,705	c 33	N75-30431 * #
US-PATENT-3,819,550	c 27	N74-27037 * #	US-PATENT-3,864,239	c 37	N75-19684 * #	US-PATENT-3,900,741	c 35	N75-30504 * #
US-PATENT-3,820,095	c 33	N74-27862 * #	US-PATENT-3,864,542	c 37	N75-19683 * #	US-PATENT-3,900,847	c 03	N75-30132 * #
US-PATENT-3,820,266	c 37	N74-27905 * #	US-PATENT-3,864,797	c 20	N75-18310 * #	US-PATENT-3,902,143	c 33	N75-30430 * #
US-PATENT-3,820,388	c 35	N74-27865 * #	US-PATENT-3,864,953	c 35	N75-19615 * #	US-PATENT-3,903,699	c 44	N75-32581 * #
US-PATENT-3,820,529	c 52	N74-27864 * #	US-PATENT-3,864,960	c 35	N75-19612 * #	US-PATENT-3,905,356	c 33	N75-31329 * #
US-PATENT-3,820,630	c 07	N74-27490 * #	US-PATENT-3,865,442	c 37	N75-18574 * #	US-PATENT-3,905,660	c 37	N75-31446 * #
US-PATENT-3,820,741	c 37	N74-27903 * #	US-PATENT-3,865,975	c 36	N75-19652 * #	US-PATENT-3,906,231	c 33	N75-31332 * #
US-PATENT-3,820,918	c 07	N74-28226 * #	US-PATENT-3,866,022	c 33	N75-19519 * #	US-PATENT-3,906,296	c 33	N75-31331 * #
US-PATENT-3,821,102	c 34	N74-27744 * #	US-PATENT-3,866,114	c 33	N75-18477 * #	US-PATENT-3,906,374	c 33	N75-31330 * #
US-PATENT-3,821,462	c 33	N74-27683 * #	US-PATENT-3,866,128	c 33	N75-19515 * #	US-PATENT-3,906,393	c 36	N75-31427 * #
US-PATENT-3,821,546	c 33	N74-27682 * #	US-PATENT-3,866,210	c 33	N75-19517 * #	US-PATENT-3,906,397	c 36	N75-31426 * #
US-PATENT-3,821,556	c 74	N74-27866 * #	US-PATENT-3,866,233	c 33	N75-19516 * #	US-PATENT-3,906,398	c 36	N75-32441 * #
US-PATENT-3,824,707	c 09	N74-30597 * #	US-PATENT-3,866,863	c 18	N75-19329 * #	US-PATENT-3,906,769	c 24	N75-33181 * #
US-PATENT-3,825,760	c 19	N74-29410 * #	US-PATENT-3,867,677	c 33	N75-19524 * #	US-PATENT-3,906,788	c 35	N75-33369 * #
US-PATENT-3,826,448	c 08	N74-30421 * #	US-PATENT-3,868,591	c 36	N75-19655 * #	US-PATENT-3,906,913	c 37	N76-18457 * #
US-PATENT-3,826,726	c 25	N74-30502 * #	US-PATENT-3,868,830	c 77	N75-20139 * #	US-PATENT-3,906,954	c 52	N75-33640 * #
US-PATENT-3,826,729	c 20	N74-31269 * #	US-PATENT-3,868,856	c 35	N75-19614 * #	US-PATENT-3,907,312	c 37	N75-33395 * #
US-PATENT-3,826,964	c 33	N74-29556 * #	US-PATENT-3,869,151	c 37	N75-19686 * #	US-PATENT-3,907,646	c 35	N75-33368 * #
US-PATENT-3,827,288	c 71	N74-31148 * #	US-PATENT-3,869,160	c 37	N75-19685 * #	US-PATENT-3,907,686	c 34	N75-33342 * #
US-PATENT-3,827,807	c 89	N74-30886 * #	US-PATENT-3,869,210	c 36	N75-19653 * #	US-PATENT-3,908,118	c 38	N78-17395 * #
US-PATENT-3,828,137	c 32	N74-30524 * #	US-PATENT-3,869,212	c 35	N75-19613 * #	US-PATENT-3,908,620	c 38	N78-17396 * #
US-PATENT-3,828,138	c 32	N74-30523 * #	US-PATENT-3,869,597	c 77	N75-20140 * #	US-PATENT-3,910,035	c 20	N76-14190 * #
US-PATENT-3,828,524	c 34	N74-30608 * #	US-PATENT-3,869,615	c 35	N75-19616 * #	US-PATENT-3,910,039	c 20	N76-14191 * #
US-PATENT-3,829,237	c 07	N74-31270 * #	US-PATENT-3,869,624	c 33	N75-18479 * #	US-PATENT-3,910,257	c 52	N76-14757 * #
US-PATENT-3,829,839	c 60	N76-18800 * #	US-PATENT-3,869,659	c 33	N75-19522 * #	US-PATENT-3,910,307	c 37	N76-14463 * #
US-PATENT-3,830,060	c 44	N74-33379 * #	US-PATENT-3,869,667	c 33	N75-19521 * #	US-PATENT-3,910,533	c 18	N76-14186 * #
US-PATENT-3,830,094	c 35	N74-32879 * #	US-PATENT-3,869,676	c 33	N75-19520 * #	US-PATENT-3,910,814	c 24	N76-14204 * #
US-PATENT-3,830,335	c 07	N74-32418 * #	US-PATENT-3,869,680	c 36	N75-19654 * #	US-PATENT-3,911,260	c 35	N76-14431 * #
US-PATENT-3,830,431	c 07	N74-33218 * #	US-PATENT-3,869,779	c 26	N75-19408 * #	US-PATENT-3,911,330	c 33	N76-14373 * #
US-PATENT-3,830,552	c 37	N74-32921 * #	US-PATENT-3,872,395	c 33	N75-19518 * #	US-PATENT-3,912,540	c 44	N76-14600 * #
US-PATENT-3,830,609	c 31	N74-32920 * #	US-PATENT-3,874,240	c 35	N75-25122 * #	US-PATENT-3,912,541	c 44	N76-14601 * #
US-PATENT-3,830,673	c 28	N74-33209 * #	US-PATENT-3,874,635	c 37	N75-25185 * #	US-PATENT-3,912,999	c 44	N76-18643 * #
US-PATENT-3,831,098	c 33	N74-32711 * #	US-PATENT-3,874,677	c 37	N75-21631 * #	US-PATENT-3,914,950	c 31	N76-14284 * #
US-PATENT-3,831,117	c 33	N74-32712 * #	US-PATENT-3,875,332	c 32	N75-21486 * #	US-PATENT-3,914,969	c 37	N76-14461 * #
US-PATENT-3,831,142	c 32	N74-32598 * #	US-PATENT-3,875,394	c 33	N75-26243 * #	US-PATENT-3,914,991	c 35	N76-14430 * #
US-PATENT-3,832,290	c 20	N74-32919 * #	US-PATENT-3,875,404	c 35	N75-23910 * #	US-PATENT-3,914,992	c 35	N76-14429 * #
US-PATENT-3,832,735	c 54	N74-32546 * #	US-PATENT-3,875,435	c 20	N75-24837 * #	US-PATENT-3,915,017	c 54	N76-14804 * #
US-PATENT-3,832,764	c 37	N74-32918 * #	US-PATENT-3,875,500	c 35	N75-21582 * #	US-PATENT-3,915,148	c 44	N76-14602 * #
US-PATENT-3,832,781	c 35	N74-32877 * #	US-PATENT-3,875,584	c 32	N75-21485 * #	US-PATENT-3,915,416	c 15	N76-14158 * #
US-PATENT-3,832,903	c 35	N74-32878 * #	US-PATENT-3,877,833	c 37	N75-25186 * #	US-PATENT-3,915,482	c 37	N76-14460 * #
US-PATENT-3,833,322	c 31	N74-32917 * #	US-PATENT-3,878,464	c 32	N75-24981 * #	US-PATENT-3,915,572	c 36	N76-14447 * #
US-PATENT-3,833,336	c 25	N74-33378 * #	US-PATENT-3,881,132	c 33	N77-21315 * #	US-PATENT-3,916,060	c 27	N76-15310 * #
US-PATENT-3,833,857	c 33	N74-32660 * #	US-PATENT-3,882,417	c 36	N78-17366 * #	US-PATENT-3,916,084	c 33	N76-14371 * #
US-PATENT-3,835,318	c 35	N74-34857 * #	US-PATENT-3,882,530	c 76	N75-25730 * #	US-PATENT-3,916,187	c 35	N76-15431 * #
US-PATENT-3,837,285	c 85	N74-34672 * #	US-PATENT-3,882,634	c 51	N75-25503 * #	US-PATENT-3,916,316	c 32	N76-14321 * #
US-PATENT-3,837,908	c 76	N79-16678 * #	US-PATENT-3,882,719	c 14	N75-24794 * #	US-PATENT-3,916,380	c 60	N76-14818 * #
US-PATENT-3,840,829	c 33	N74-34638 * #	US-PATENT-3,882,732	c 12	N75-24774 * #	US-PATENT-3,916,761	c 75	N76-14931 * #
US-PATENT-3,841,973	c 35	N75-12272 * #	US-PATENT-3,882,846	c 05	N75-24716 * #	US-PATENT-3,919,014	c 24	N76-14203 * #
US-PATENT-3,842,485	c 37	N75-12326 * #	US-PATENT-3,883,095	c 07	N75-24736 * #	US-PATENT-3,919,710	c 33	N76-14372 * #
US-PATENT-3,842,509	c 35	N75-12273 * #	US-PATENT-3,883,215	c 35	N75-25124 * #	US-PATENT-3,920,339	c 27	N76-14264 * #
US-PATENT-3,842,656	c 76	N75-12810 * #	US-PATENT-3,883,436	c 74	N75-25706 * #	US-PATENT-3,920,413	c 44	N76-14595 * #
US-PATENT-3,845,466	c 74	N81-19896 * #	US-PATENT-3,883,689	c 35	N75-25123 * #	US-PATENT-3,920,416	c 44	N76-18642 * #
US-PATENT-3,846,243	c 25	N75-12086 * #	US-PAT					

US-PATENT-3,924,267	c 35	N76-16391	*	#	US-PATENT-3,964,928	c 44	N76-27664	*	#	US-PATENT-4,001,602	c 33	N77-17354	*	#
US-PATENT-3,924,444	c 35	N76-15432	*	#	US-PATENT-3,965,096	c 27	N76-32315	*	#	US-PATENT-4,003,004	c 33	N77-17351	*	#
US-PATENT-3,925,104	c 35	N76-15434	*	#	US-PATENT-3,965,354	c 33	N76-27473	*	#	US-PATENT-4,003,084	c 35	N77-17426	*	#
US-PATENT-3,925,312	c 23	N76-15268	*	#	US-PATENT-3,965,475	c 30	N76-27472	*	#	US-PATENT-4,003,257	c 23	N77-17161	*	#
US-PATENT-3,926,482	c 37	N76-15461	*	#	US-PATENT-3,966,499	c 44	N76-31666	*	#	US-PATENT-4,004,292	c 74	N77-18893	*	#
US-PATENT-3,926,567	c 27	N76-15311	*	#	US-PATENT-3,966,547	c 25	N76-27383	*	#	US-PATENT-4,005,574	c 07	N77-17059	*	#
US-PATENT-3,927,227	c 12	N76-15189	*	#	US-PATENT-3,967,091	c 37	N76-27568	*	#	US-PATENT-4,006,631	c 04	N77-19056	*	#
US-PATENT-3,927,324	c 35	N76-15433	*	#	US-PATENT-3,971,230	c 37	N76-29590	*	#	US-PATENT-4,006,999	c 24	N77-19170	*	#
US-PATENT-3,927,408	c 32	N76-15329	*	#	US-PATENT-3,971,256	c 91	N76-30131	*	#	US-PATENT-4,007,430	c 36	N77-19416	*	#
US-PATENT-3,928,708	c 27	N76-16230	*	#	US-PATENT-3,971,362	c 52	N76-29894	*	#	US-PATENT-4,007,434	c 32	N77-18307	*	#
US-PATENT-3,929,119	c 75	N76-17951	*	#	US-PATENT-3,971,363	c 52	N76-29895	*	#	US-PATENT-4,007,601	c 34	N77-19353	*	#
US-PATENT-3,929,305	c 34	N76-17317	*	#	US-PATENT-3,971,364	c 52	N76-29896	*	#	US-PATENT-4,007,623	c 35	N77-18417	*	#
US-PATENT-3,929,306	c 18	N76-17185	*	#	US-PATENT-3,971,535	c 05	N76-29217	*	#	US-PATENT-4,007,891	c 07	N77-18154	*	#
US-PATENT-3,929,364	c 35	N76-16392	*	#	US-PATENT-3,971,602	c 37	N76-29588	*	#	US-PATENT-4,008,348	c 34	N77-18382	*	#
US-PATENT-3,930,628	c 02	N76-16014	*	#	US-PATENT-3,971,697	c 25	N76-29379	*	#	US-PATENT-4,008,407	c 73	N77-18891	*	#
US-PATENT-3,930,735	c 66	N76-19888	*	#	US-PATENT-3,971,703	c 51	N76-29891	*	#	US-PATENT-4,010,455	c 37	N77-19458	*	#
US-PATENT-3,931,132	c 27	N76-16228	*	#	US-PATENT-3,971,847	c 44	N76-29704	*	#	US-PATENT-4,010,455	c 37	N78-31426	*	#
US-PATENT-3,931,447	c 27	N76-16229	*	#	US-PATENT-3,971,915	c 35	N76-29552	*	#	US-PATENT-4,011,719	c 20	N77-20162	*	#
US-PATENT-3,931,456	c 33	N76-16332	*	#	US-PATENT-3,971,930	c 74	N76-30053	*	#	US-PATENT-4,011,756	c 35	N77-20400	*	#
US-PATENT-3,931,462	c 45	N76-17656	*	#	US-PATENT-3,971,940	c 35	N76-29551	*	#	US-PATENT-4,011,854	c 35	N77-20401	*	#
US-PATENT-3,931,516	c 35	N76-16393	*	#	US-PATENT-3,972,008	c 36	N76-29575	*	#	US-PATENT-4,012,018	c 35	N77-20399	*	#
US-PATENT-3,931,532	c 44	N76-16612	*	#	US-PATENT-3,972,038	c 17	N76-29347	*	#	US-PATENT-4,012,123	c 74	N77-20882	*	#
US-PATENT-3,932,262	c 25	N79-10163	*	#	US-PATENT-3,972,651	c 44	N76-29701	*	#	US-PATENT-4,012,237	c 26	N77-20201	*	#
US-PATENT-3,936,927	c 37	N76-19437	*	#	US-PATENT-3,972,727	c 44	N76-29699	*	#	US-PATENT-4,012,696	c 32	N77-20289	*	#
US-PATENT-3,937,055	c 33	N76-18454	*	#	US-PATENT-3,976,997	c 62	N76-31946	*	#	US-PATENT-4,014,745	c 51	N77-22794	*	#
US-PATENT-3,937,212	c 37	N76-19338	*	#	US-PATENT-3,977,147	c 39	N76-31562	*	#	US-PATENT-4,014,798	c 25	N81-17187	*	#
US-PATENT-3,937,215	c 52	N76-19785	*	#	US-PATENT-3,977,197	c 44	N76-31667	*	#	US-PATENT-4,017,959	c 37	N77-23482	*	#
US-PATENT-3,937,387	c 37	N76-18455	*	#	US-PATENT-3,977,231	c 35	N76-31489	*	#	US-PATENT-4,018,080	c 35	N77-22450	*	#
US-PATENT-3,937,533	c 37	N76-18459	*	#	US-PATENT-3,977,771	c 74	N76-31998	*	#	US-PATENT-4,018,085	c 35	N77-22449	*	#
US-PATENT-3,937,555	c 35	N76-18402	*	#	US-PATENT-3,977,787	c 35	N76-31490	*	#	US-PATENT-4,018,092	c 37	N77-22482	*	#
US-PATENT-3,937,661	c 37	N76-18456	*	#	US-PATENT-3,977,831	c 45	N76-31714	*	#	US-PATENT-4,018,409	c 37	N77-23483	*	#
US-PATENT-3,937,945	c 74	N76-18913	*	#	US-PATENT-3,978,187	c 37	N76-31524	*	#	US-PATENT-4,018,423	c 54	N77-21844	*	#
US-PATENT-3,938,035	c 33	N76-19339	*	#	US-PATENT-3,978,287	c 32	N76-31372	*	#	US-PATENT-4,018,532	c 74	N77-22951	*	#
US-PATENT-3,938,037	c 26	N76-18257	*	#	US-PATENT-3,978,360	c 33	N76-31409	*	#	US-PATENT-4,018,533	c 74	N77-22950	*	#
US-PATENT-3,938,162	c 32	N76-18295	*	#	US-PATENT-3,978,364	c 31	N76-31365	*	#	US-PATENT-4,018,649	c 51	N77-25769	*	#
US-PATENT-3,938,182	c 33	N76-18353	*	#	US-PATENT-3,978,410	c 03	N76-32140	*	#	US-PATENT-4,018,971	c 44	N77-22606	*	#
US-PATENT-3,938,188	c 35	N76-18345	*	#	US-PATENT-3,978,417	c 36	N76-31512	*	#	US-PATENT-4,019,179	c 32	N77-21267	*	#
US-PATENT-3,938,367	c 33	N76-18401	*	#	US-PATENT-3,978,490	c 33	N76-32457	*	#	US-PATENT-4,019,868	c 44	N77-22607	*	#
US-PATENT-3,938,373	c 35	N76-18400	*	#	US-PATENT-3,982,910	c 44	N77-10636	*	#	US-PATENT-4,020,632	c 07	N77-23106	*	#
US-PATENT-3,938,742	c 07	N76-18117	*	#	US-PATENT-3,983,695	c 20	N77-10148	*	#	US-PATENT-4,023,266	c 33	N77-26385	*	#
US-PATENT-3,938,892	c 74	N76-19935	*	#	US-PATENT-3,983,714	c 31	N77-10229	*	#	US-PATENT-4,025,327	c 35	N77-24455	*	#
US-PATENT-3,938,956	c 35	N76-18403	*	#	US-PATENT-3,983,749	c 09	N77-10071	*	#	US-PATENT-4,025,783	c 74	N77-26942	*	#
US-PATENT-3,939,048	c 37	N76-18458	*	#	US-PATENT-3,983,753	c 52	N77-10780	*	#	US-PATENT-4,025,866	c 33	N77-24375	*	#
US-PATENT-3,939,439	c 36	N76-18428	*	#	US-PATENT-3,983,780	c 28	N77-10213	*	#	US-PATENT-4,025,875	c 36	N77-25499	*	#
US-PATENT-3,940,097	c 34	N76-18364	*	#	US-PATENT-3,983,933	c 34	N77-10463	*	#	US-PATENT-4,025,876	c 71	N77-26919	*	#
US-PATENT-3,940,621	c 34	N76-18374	*	#	US-PATENT-3,984,070	c 02	N77-10001	*	#	US-PATENT-4,025,891	c 35	N77-24454	*	#
US-PATENT-3,941,355	c 37	N76-19436	*	#	US-PATENT-3,984,072	c 15	N77-10113	*	#	US-PATENT-4,025,950	c 32	N77-24328	*	#
US-PATENT-3,942,398	c 37	N76-20480	*	#	US-PATENT-3,984,256	c 44	N77-10635	*	#	US-PATENT-4,025,964	c 52	N77-25772	*	#
US-PATENT-3,943,368	c 74	N76-20958	*	#	US-PATENT-3,984,634	c 32	N77-10392	*	#	US-PATENT-4,026,527	c 34	N77-24423	*	#
US-PATENT-3,943,442	c 76	N76-20994	*	#	US-PATENT-3,984,671	c 43	N77-10584	*	#	US-PATENT-4,026,655	c 36	N77-25501	*	#
US-PATENT-3,943,763	c 04	N76-20114	*	#	US-PATENT-3,984,681	c 35	N77-10492	*	#	US-PATENT-4,027,212	c 33	N77-26386	*	#
US-PATENT-3,944,485	c 25	N81-19244	*	#	US-PATENT-3,984,685	c 47	N77-10753	*	#	US-PATENT-4,027,265	c 32	N77-24331	*	#
US-PATENT-3,945,801	c 45	N76-21742	*	#	US-PATENT-3,984,686	c 35	N77-10493	*	#	US-PATENT-4,027,273	c 36	N77-25502	*	#
US-PATENT-3,945,879	c 37	N76-21554	*	#	US-PATENT-3,984,730	c 33	N77-10429	*	#	US-PATENT-4,027,494	c 35	N78-12390	*	#
US-PATENT-3,947,281	c 27	N82-29455	*	#	US-PATENT-3,984,799	c 33	N77-10428	*	#	US-PATENT-4,027,524	c 09	N77-27131	*	#
US-PATENT-3,947,933	c 20	N76-21276	*	#	US-PATENT-3,985,454	c 74	N77-10899	*	#	US-PATENT-4,028,939	c 34	N77-27345	*	#
US-PATENT-3,948,102	c 33	N76-21390	*	#	US-PATENT-3,987,630	c 37	N77-12402	*	#	US-PATENT-4,029,470	c 51	N77-27677	*	#
US-PATENT-3,948,470	c 20	N76-21275	*	#	US-PATENT-3,988,561	c 37	N77-11397	*	#	US-PATENT-4,029,500	c 24	N77-27187	*	#
US-PATENT-3,949,206	c 32	N76-21366	*	#	US-PATENT-3,988,677	c 32	N77-12240	*	#	US-PATENT-4,029,838	c 24	N77-27188	*	#
US-PATENT-3,949,400	c 17	N76-21250	*	#	US-PATENT-3,988,716	c 60	N77-12721	*	#	US-PATENT-4,030,047	c 35	N77-27366	*	#
US-PATENT-3,949,404	c 32	N76-21365	*	#	US-PATENT-3,988,729	c 32	N77-12239	*	#	US-PATENT-4,030,348	c 39	N78-10493	*	#
US-PATENT-3,950,729	c 60	N76-21914	*	#	US-PATENT-3,988,933	c 35	N77-19385	*	#	US-PATENT-4,031,389	c 36	N77-26477	*	#
US-PATENT-3,951,129	c 44	N76-22657	*	#	US-PATENT-3,989,136	c 37	N77-19457	*	#	US-PATENT-4,032,089	c 24	N77-28225	*	#
US-PATENT-3,952,083	c 27	N76-22376	*	#	US-PATENT-3,989,206	c 09	N77-19076	*	#	US-PATENT-4,032,089	c 27	N81-14077	*	#
US-PATENT-3,952,590	c 09	N76-23273	*	#	US-PATENT-3,989,541	c 44	N77-19571	*	#	US-PATENT-4,033,119	c 07	N77-28118	*	#
US-PATENT-3,952,971	c 02	N76-22154	*	#	US-PATENT-3,989,602	c 24	N77-19171	*	#	US-PATENT-4,033,133	c 28	N80-10374	*	#
US-PATENT-3,952,976	c 37	N76-22540	*	#	US-PATENT-3,990,049	c 60	N77-19760	*	#	US-PATENT-4,033,182	c 39	N77-28151	*	#
US-PATENT-3,952,980	c 19	N76-22284	*	#	US-PATENT-3,990,860	c 27	N77-13217	*	#	US-PATENT-4,033,286	c 25	N79-28253	*	#
US-PATENT-3,952,998	c 20	N76-22296	*	#	US-PATENT-3,990,987	c 37	N77-13418	*	#	US-PATENT-4,033,316	c 33	N77-28385	*	#
US-PATENT-3,953,038	c 37	N76-22541	*	#	US-PATENT-3,994,128	c 07	N77-14025	*	#	US-PATENT-4,033,334	c 52	N77-28717	*	#
US-PATENT-3,953,343	c 24	N76-22309	*	#	US-PATENT-3,995,324	c 52	N77-14735	*	#	US-PATENT-4,033,349	c 52	N77-28716	*	#
US-PATENT-3,953,646	c 27	N76-22377	*	#	US-PATENT-3,995,476	c 35	N77-14407	*	#	US-PATENT-4,033,479	c 37	N77-28487	*	#
US-PATENT-3,953,674	c 17	N76-22245	*	#	US-PATENT-3,995,522	c 37	N77-14478	*	#	US-PATENT-4,033,503	c 26	N77-29260	*	#
US-PATENT-3,953,734	c 25	N76-22323	*	#	US-PATENT-3,995,621	c 52	N77-14736	*	#	US-PATENT-4,033,504	c 26	N77-28265	*	#
US-PATENT-3,953,792	c 35	N76-22509	*	#	US-PATENT-3,995,644	c 52	N77-14738	*	#	US-PATENT-4,033,705	c 07	N77-27116	*	#
US-PATENT-3,955,034	c 27	N76-23426	*	#	US-PATENT-3,995,789	c 37	N77-14479	*	#	US-PATENT-4,033,882	c 32	N77-28346	*	#
US-PATENT-3,955,941	c 44	N76-29700	*	#	US-PATENT-3,995,877	c 37	N77-14477	*	#	US-PATENT-4,035,037	c 37	N77-28486	*	#
US-PATENT-3,956,032	c 76	N76-25049	*	#	US-PATENT-3,995,960	c 35	N77-14411	*	#	US-PATENT-4,035,062	c 74	N77-28932	*	#
US-PATENT-3,956,050	c 37	N76-24575	*	#	US-PATENT-3,996,064	c 44	N77-14581	*	#	US-PATENT-4,035,065	c 74	N77-28933	*	#
US-PATENT-3,956,233	c 27	N76-24405	*	#	US-PATENT-3,996,067	c 44	N77-14580	*	#	US-PATENT-4,038,705	c 54	N77-30749	*	#
US-PATENT-3,956,833	c 09	N76-24280	*	#	US-PATENT-3,996,070	c 35	N77-14409	*	#</					

US-PATENT-4,043,674	c 36	N77-32478 * #	US-PATENT-4,070,574	c 74	N78-18905 * #	US-PATENT-4,103,619	c 28	N79-11231 * #
US-PATENT-4,044,753	c 44	N77-32582 * #	US-PATENT-4,072,532	c 27	N78-19302 * #	US-PATENT-4,103,712	c 37	N79-11402 * #
US-PATENT-4,044,821	c 44	N77-32581 * #	US-PATENT-4,075,057	c 73	N78-19920 * #	US-PATENT-4,104,018	c 25	N79-11151 * #
US-PATENT-4,045,063	c 37	N77-32499 * #	US-PATENT-4,077,231	c 31	N78-25256 * #	US-PATENT-4,104,084	c 44	N79-11467 * #
US-PATENT-4,045,149	c 07	N77-32148 * #	US-PATENT-4,077,678	c 44	N78-24608 * #	US-PATENT-4,104,091	c 44	N79-11468 * #
US-PATENT-4,045,247	c 35	N77-32454 * #	US-PATENT-4,077,788	c 28	N78-24365 * #	US-PATENT-4,104,134	c 44	N79-11469 * #
US-PATENT-4,045,255	c 26	N77-32279 * #	US-PATENT-4,077,788	c 28	N81-14103 * #	US-PATENT-4,104,134	c 44	N80-16452 * #
US-PATENT-4,045,315	c 44	N77-32580 * #	US-PATENT-4,077,813	c 26	N78-24333 * #	US-PATENT-4,104,873	c 37	N79-11403 * #
US-PATENT-4,045,359	c 25	N77-32255 * #	US-PATENT-4,077,818	c 44	N78-24609 * #	US-PATENT-4,105,261	c 37	N79-11404 * #
US-PATENT-4,045,728	c 35	N77-32455 * #	US-PATENT-4,077,921	c 24	N78-24290 * #	US-PATENT-4,105,517	c 44	N79-11470 * #
US-PATENT-4,045,792	c 60	N77-32731 * #	US-PATENT-4,078,110	c 34	N78-25350 * #	US-PATENT-4,105,966	c 33	N79-11315 * #
US-PATENT-4,045,795	c 32	N77-32342 * #	US-PATENT-4,078,175	c 76	N78-24950 * #	US-PATENT-4,106,218	c 74	N79-13855 * #
US-PATENT-4,046,012	c 35	N77-32456 * #	US-PATENT-4,078,290	c 37	N78-24544 * #	US-PATENT-4,106,587	c 71	N79-14871 * #
US-PATENT-4,046,190	c 34	N77-32413 * #	US-PATENT-4,078,378	c 37	N78-24545 * #	US-PATENT-4,106,687	c 37	N79-13364 * #
US-PATENT-4,046,262	c 54	N77-32721 * #	US-PATENT-4,079,268	c 32	N78-24391 * #	US-PATENT-4,107,363	c 33	N79-12331 * #
US-PATENT-4,046,434	c 37	N77-32500 * #	US-PATENT-4,080,901	c 20	N78-24275 * #	US-PATENT-4,107,627	c 72	N79-13826 * #
US-PATENT-4,046,435	c 37	N77-32501 * #	US-PATENT-4,081,250	c 44	N78-31527 * #	US-PATENT-4,107,919	c 34	N79-13288 * #
US-PATENT-4,046,462	c 44	N77-32583 * #	US-PATENT-4,082,001	c 35	N78-24515 * #	US-PATENT-4,108,241	c 34	N79-13289 * #
US-PATENT-4,046,529	c 54	N77-32722 * #	US-PATENT-4,082,569	c 44	N78-25527 * #	US-PATENT-4,109,213	c 33	N79-12273 * #
US-PATENT-4,046,560	c 26	N77-32280 * #	US-PATENT-4,083,097	c 44	N78-25528 * #	US-PATENT-4,109,644	c 52	N79-18580 * #
US-PATENT-4,046,617	c 76	N77-32919 * #	US-PATENT-4,083,181	c 07	N78-25089 * #	US-PATENT-4,110,683	c 33	N79-18193 * #
US-PATENT-4,046,619	c 27	N77-32308 * #	US-PATENT-4,083,380	c 37	N78-25426 * #	US-PATENT-4,110,703	c 36	N79-18307 * #
US-PATENT-4,047,840	c 37	N78-10468 * #	US-PATENT-4,083,520	c 15	N78-25119 * #	US-PATENT-4,111,041	c 35	N79-14345 * #
US-PATENT-4,051,558	c 52	N78-10686 * #	US-PATENT-4,083,765	c 35	N78-25391 * #	US-PATENT-4,111,058	c 35	N79-14347 * #
US-PATENT-4,051,834	c 44	N78-10554 * #	US-PATENT-4,084,124	c 44	N78-25531 * #	US-PATENT-4,111,068	c 37	N79-14382 * #
US-PATENT-4,051,877	c 35	N78-10428 * #	US-PATENT-4,084,132	c 33	N78-25319 * #	US-PATENT-4,111,184	c 44	N79-14526 * #
US-PATENT-4,052,144	c 25	N78-10224 * #	US-PATENT-4,084,612	c 34	N78-25351 * #	US-PATENT-4,111,718	c 35	N79-14346 * #
US-PATENT-4,052,181	c 71	N78-10837 * #	US-PATENT-4,084,825	c 07	N78-25090 * #	US-PATENT-4,111,729	c 28	N79-14228 * #
US-PATENT-4,052,302	c 25	N78-10225 * #	US-PATENT-4,084,985	c 44	N78-25529 * #	US-PATENT-4,111,775	c 76	N79-14906 * #
US-PATENT-4,052,523	c 24	N78-10214 * #	US-PATENT-4,085,004	c 73	N78-28913 * #	US-PATENT-4,111,851	c 24	N79-14156 * #
US-PATENT-4,052,614	c 35	N78-10429 * #	US-PATENT-4,085,241	c 44	N78-25530 * #	US-PATENT-4,112,357	c 33	N79-14305 * #
US-PATENT-4,052,648	c 33	N78-10376 * #	US-PATENT-4,085,332	c 25	N78-25148 * #	US-PATENT-4,112,497	c 32	N79-14267 * #
US-PATENT-4,052,659	c 33	N78-10377 * #	US-PATENT-4,087,902	c 33	N78-27326 * #	US-PATENT-4,112,875	c 44	N78-33526 * #
US-PATENT-4,052,666	c 43	N78-10529 * #	US-PATENT-4,087,962	c 34	N78-27357 * #	US-PATENT-4,116,131	c 20	N78-32179 * #
US-PATENT-4,052,705	c 60	N78-10709 * #	US-PATENT-4,087,975	c 44	N78-32544 * #	US-PATENT-4,117,669	c 07	N79-10057 * #
US-PATENT-4,053,229	c 74	N78-13874 * #	US-PATENT-4,088,018	c 37	N78-27424 * #	US-PATENT-4,117,731	c 35	N79-10390 * #
US-PATENT-4,053,231	c 35	N78-18391 * #	US-PATENT-4,088,094	c 51	N78-27733 * #	US-PATENT-4,117,749	c 37	N79-10419 * #
US-PATENT-4,053,918	c 44	N78-13526 * #	US-PATENT-4,088,270	c 07	N78-27121 * #	US-PATENT-4,117,881	c 51	N79-10694 * #
US-PATENT-4,055,004	c 09	N78-18083 * #	US-PATENT-4,088,291	c 37	N78-27425 * #	US-PATENT-4,118,014	c 37	N79-10420 * #
US-PATENT-4,055,041	c 07	N78-18066 * #	US-PATENT-4,088,312	c 37	N78-27423 * #	US-PATENT-4,118,315	c 51	N79-10693 * #
US-PATENT-4,055,072	c 35	N78-19465 * #	US-PATENT-4,088,408	c 74	N78-27904 * #	US-PATENT-4,118,427	c 27	N80-32514 * #
US-PATENT-4,055,089	c 35	N78-18390 * #	US-PATENT-4,088,532	c 25	N78-27226 * #	US-PATENT-4,118,620	c 37	N79-10421 * #
US-PATENT-4,055,147	c 35	N78-19466 * #	US-PATENT-4,088,806	c 24	N78-27180 * #	US-PATENT-4,118,665	c 33	N79-10338 * #
US-PATENT-4,055,416	c 26	N78-18182 * #	US-PATENT-4,088,926	c 75	N78-27913 * #	US-PATENT-4,118,666	c 32	N79-10262 * #
US-PATENT-4,055,447	c 26	N78-18183 * #	US-PATENT-4,088,951	c 35	N78-28411 * #	US-PATENT-4,118,671	c 33	N79-10339 * #
US-PATENT-4,055,686	c 37	N78-13436 * #	US-PATENT-4,088,954	c 35	N78-32397 * #	US-PATENT-4,118,701	c 32	N79-10264 * #
US-PATENT-4,055,705	c 34	N78-18355 * #	US-PATENT-4,088,965	c 36	N78-27402 * #	US-PATENT-4,119,581	c 27	N81-14076 * #
US-PATENT-4,055,707	c 44	N78-19599 * #	US-PATENT-4,088,999	c 44	N78-28594 * #	US-PATENT-4,119,926	c 33	N79-11313 * #
US-PATENT-4,055,764	c 35	N78-13400 * #	US-PATENT-4,089,004	c 32	N80-29539 * #	US-PATENT-4,119,964	c 32	N79-11265 * #
US-PATENT-4,055,777	c 33	N78-18308 * #	US-PATENT-4,089,209	c 35	N78-27384 * #	US-PATENT-4,119,972	c 32	N79-11264 * #
US-PATENT-4,055,810	c 36	N78-18410 * #	US-PATENT-4,089,705	c 44	N78-27515 * #	US-PATENT-4,119,996	c 33	N79-12321 * #
US-PATENT-4,055,847	c 33	N78-13320 * #	US-PATENT-4,090,213	c 44	N80-29835 * #	US-PATENT-4,121,965	c 76	N79-11920 * #
US-PATENT-4,061,029	c 35	N78-14364 * #	US-PATENT-4,091,166	c 27	N78-31233 * #	US-PATENT-4,121,995	c 25	N79-11152 * #
US-PATENT-4,061,041	c 71	N78-14867 * #	US-PATENT-4,091,329	c 33	N78-32339 * #	US-PATENT-4,122,214	c 44	N79-11472 * #
US-PATENT-4,061,146	c 52	N78-14773 * #	US-PATENT-4,091,464	c 54	N78-31735 * #	US-PATENT-4,122,334	c 74	N79-12890 * #
US-PATENT-4,061,190	c 43	N78-14452 * #	US-PATENT-4,091,464	c 54	N79-24651 * #	US-PATENT-4,122,383	c 44	N79-12541 * #
US-PATENT-4,061,427	c 36	N78-14380 * #	US-PATENT-4,091,465	c 54	N78-31736 * #	US-PATENT-4,122,454	c 32	N79-13214 * #
US-PATENT-4,061,561	c 25	N78-14104 * #	US-PATENT-4,091,613	c 44	N78-32539 * #	US-PATENT-4,122,518	c 52	N79-12694 * #
US-PATENT-4,061,570	c 54	N78-14784 * #	US-PATENT-4,091,665	c 09	N78-31129 * #	US-PATENT-4,122,712	c 34	N79-12359 * #
US-PATENT-4,061,577	c 74	N78-14889 * #	US-PATENT-4,091,798	c 44	N78-31526 * #	US-PATENT-4,122,725	c 38	N79-14398 * #
US-PATENT-4,061,579	c 24	N78-14096 * #	US-PATENT-4,091,800	c 44	N78-31525 * #	US-PATENT-4,122,816	c 37	N79-11405 * #
US-PATENT-4,061,812	c 24	N78-15180 * #	US-PATENT-4,092,188	c 28	N78-31255 * #	US-PATENT-4,122,833	c 44	N79-13214 * #
US-PATENT-4,061,834	c 27	N78-14164 * #	US-PATENT-4,092,274	c 27	N78-31232 * #	US-PATENT-4,122,991	c 18	N79-11108 * #
US-PATENT-4,061,856	c 27	N78-15276 * #	US-PATENT-4,092,466	c 27	N78-32256 * #	US-PATENT-4,123,355	c 45	N79-12584 * #
US-PATENT-4,061,955	c 44	N78-14625 * #	US-PATENT-4,092,466	c 27	N80-10358 * #	US-PATENT-4,124,180	c 05	N79-12061 * #
US-PATENT-4,061,974	c 32	N78-15323 * #	US-PATENT-4,092,606	c 33	N78-32338 * #	US-PATENT-4,124,330	c 07	N79-14095 * #
US-PATENT-4,062,227	c 39	N78-15512 * #	US-PATENT-4,092,617	c 33	N78-32340 * #	US-PATENT-4,124,732	c 27	N79-12221 * #
US-PATENT-4,062,245	c 37	N78-16369 * #	US-PATENT-4,092,633	c 54	N78-32720 * #	US-PATENT-4,128,814	c 36	N79-14362 * #
US-PATENT-4,062,347	c 44	N78-15560 * #	US-PATENT-4,092,648	c 32	N78-31321 * #	US-PATENT-4,129,357	c 74	N79-14891 * #
US-PATENT-4,062,650	c 25	N78-15210 * #	US-PATENT-4,092,712	c 33	N78-32341 * #	US-PATENT-4,130,032	c 37	N79-14383 * #
US-PATENT-4,062,996	c 74	N78-15879 * #	US-PATENT-4,092,874	c 37	N78-31426 * #	US-PATENT-4,130,112	c 52	N79-14751 * #
US-PATENT-4,063,088	c 74	N78-15880 * #	US-PATENT-4,093,156	c 05	N78-32086 * #	US-PATENT-4,130,471	c 25	N79-14169 * #
US-PATENT-4,063,092	c 35	N78-15461 * #	US-PATENT-4,093,354	c 73	N78-32848 * #	US-PATENT-4,130,490	c 33	N79-15245 * #
US-PATENT-4,063,282	c 39	N78-16387 * #	US-PATENT-4,093,382	c 38	N78-32447 * #	US-PATENT-4,130,795	c 35	N79-14349 * #
US-PATENT-4,063,814	c 74	N78-17866 * #	US-PATENT-4,093,771	c 27	N78-32260 * #	US-PATENT-4,131,336	c 44	N79-14529 * #
US-PATENT-4,063,981	c 24	N78-17149 * #	US-PATENT-4,093,917	c 35	N78-32396 * #	US-PATENT-4,131,459	c 27	N79-14213 * #
US-PATENT-4,064,566	c 27	N78-17215 * #	US-PATENT-4,094,073	c 35	N78-32395 * #	US-PATENT-4,131,486	c 44	N79-14528 * #
US-PATENT-4,064,642	c 54	N78-17675 * #	US-PATENT-4,094,775	c 26	N78-32229 * #	US-PATENT-4,132,068	c 07	N79-14097 * #
US-PATENT-4,064,692	c 37	N78-17384 * #	US-PATENT-4,094,775	c 52	N80-14687 * #	US-PATENT-4,132,069	c 07	N79-14096 * #
US-PATENT-4,065,053	c 44	N78-17460 * #	US-PATENT-4,094,862	c 27	N78-32261 * #	US-PATENT-4,132,130	c 44	N79-14527 * #
US-PATENT-4,065,202	c 35	N78-17357 * #	US-PATENT-4,094,943	c 27	N78-32262 * #	US-PATENT-4,132,375	c 08	N79-14108 * #
US-PATENT-4,065,340	c 24	N78-17150 * #	US-PATENT-4,095,593	c 54	N78-32721 * #	US-PATENT-4,132,594	c 52	N79-14749 * #
US-PATENT-4,065,345	c 27	N78-17205 * #	US-PATENT-4,096,315	c 74	N78-32854 * #	US-PATENT-4,132,599	c 52	N79-14750 * #
US-PATENT-4,066,039	c 37	N78-17383 * #	US-PATENT-4,097,194	c 07	N78-33101 * #	US-PATENT-4,132,829	c 27	N79-14214 * #
US-PATENT-4,067,015	c 17	N78-17140 * #	US-PATENT-4,098,142	c 37	N79-10422 * #	US-PATENT-4,132,940	c 35	N79-14348 * #
US-PATENT-4,067,043	c 74	N78-17865 * #	US-PATENT-4,099,799	c 37	N79-10418 * #	US-PATENT-4,132,989	c 32	N79-14268 * #
US-PATENT-4,067,653	c 74	N78-17867 * #						

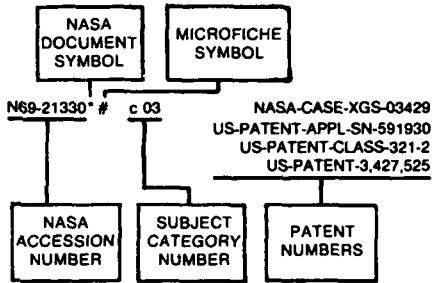
US-PATENT-4,135,290	c 44	N79-18444 *	#	US-PATENT-4,172,228	c 33	N80-14332 *	#	US-PATENT-4,211,354	c 24	N81-17170 *	#
US-PATENT-4,135,367	c 44	N79-18443 *	#	US-PATENT-4,172,786	c 45	N80-14579 *	#	US-PATENT-4,211,354	c 24	N81-26179 *	#
US-PATENT-4,135,817	c 35	N79-18296 *	#	US-PATENT-4,172,883	c 26	N80-14229 *	#	US-PATENT-4,212,199	c 02	N80-28300 *	#
US-PATENT-4,135,851	c 37	N79-18318 *	#	US-PATENT-4,173,001	c 36	N80-14384 *	#	US-PATENT-4,212,297	c 51	N81-14605 *	#
US-PATENT-4,135,851	c 37	N80-26658 *	#	US-PATENT-4,173,324	c 37	N80-14398 *	#	US-PATENT-4,212,477	c 37	N80-28711 *	#
US-PATENT-4,135,851	c 37	N82-19540 *	#	US-PATENT-4,173,397	c 44	N80-14473 *	#	US-PATENT-4,212,477	c 37	N81-26447 *	#
US-PATENT-4,136,211	c 24	N79-17916 *	#	US-PATENT-4,173,820	c 44	N80-14474 *	#	US-PATENT-4,212,690	c 26	N80-28492 *	#
US-PATENT-4,137,010	c 05	N79-17847 *	#	US-PATENT-4,175,249	c 44	N80-14472 *	#	US-PATENT-4,213,051	c 35	N80-28686 *	#
US-PATENT-4,137,365	c 27	N79-18052 *	#	US-PATENT-4,176,007	c 51	N80-16714 *	#	US-PATENT-4,213,064	c 60	N81-15706 *	#
US-PATENT-4,139,291	c 74	N79-20856 *	#	US-PATENT-4,176,360	c 18	N80-14183 *	#	US-PATENT-4,213,131	c 32	N80-28578 *	#
US-PATENT-4,139,806	c 71	N79-20827 *	#	US-PATENT-4,176,662	c 52	N80-16725 *	#	US-PATENT-4,213,684	c 74	N81-17886 *	#
US-PATENT-4,139,839	c 60	N79-20751 *	#	US-PATENT-4,176,950	c 36	N80-16321 *	#	US-PATENT-4,214,226	c 31	N80-32584 *	#
US-PATENT-4,139,862	c 32	N79-20297 *	#	US-PATENT-4,177,325	c 44	N80-16452 *	#	US-PATENT-4,214,703	c 07	N80-32392 *	#
US-PATENT-4,140,972	c 32	N79-20296 *	#	US-PATENT-4,177,333	c 25	N80-16116 *	#	US-PATENT-4,214,902	c 26	N80-32484 *	#
US-PATENT-4,141,219	c 34	N79-20335 *	#	US-PATENT-4,178,100	c 35	N80-18359 *	#	US-PATENT-4,214,905	c 24	N80-33482 *	#
US-PATENT-4,141,224	c 34	N79-20336 *	#	US-PATENT-4,180,648	c 27	N80-16158 *	#	US-PATENT-4,215,273	c 74	N80-33210 *	#
US-PATENT-4,141,259	c 37	N79-20377 *	#	US-PATENT-4,181,589	c 51	N80-16715 *	#	US-PATENT-4,215,327	c 32	N80-32605 *	#
US-PATENT-4,142,101	c 74	N79-20857 *	#	US-PATENT-4,182,158	c 35	N80-18358 *	#	US-PATENT-4,215,345	c 04	N80-32359 *	#
US-PATENT-4,142,119	c 33	N79-20314 *	#	US-PATENT-4,183,217	c 20	N80-18097 *	#	US-PATENT-4,215,548	c 37	N80-31790 *	#
US-PATENT-4,143,314	c 20	N79-20179 *	#	US-PATENT-4,184,072	c 44	N80-18552 *	#	US-PATENT-4,215,590	c 37	N80-32717 *	#
US-PATENT-4,145,058	c 37	N79-22475 *	#	US-PATENT-4,184,111	c 44	N80-18551 *	#	US-PATENT-4,215,592	c 37	N80-32716 *	#
US-PATENT-4,145,255	c 25	N79-22235 *	#	US-PATENT-4,184,149	c 06	N80-18036 *	#	US-PATENT-4,216,186	c 76	N80-32244 *	#
US-PATENT-4,145,524	c 27	N79-22300 *	#	US-PATENT-4,184,155	c 43	N80-18498 *	#	US-PATENT-4,216,542	c 33	N81-15192 *	#
US-PATENT-4,145,933	c 39	N79-22537 *	#	US-PATENT-4,184,327	c 07	N80-18039 *	#	US-PATENT-4,217,165	c 76	N80-32245 *	#
US-PATENT-4,146,180	c 37	N79-22474 *	#	US-PATENT-4,184,368	c 48	N80-18667 *	#	US-PATENT-4,217,633	c 44	N81-12542 *	#
US-PATENT-4,146,367	c 25	N81-33246 *	#	US-PATENT-4,184,472	c 76	N80-18951 *	#	US-PATENT-4,218,280	c 27	N80-32516 *	#
US-PATENT-4,146,409	c 26	N79-22271 *	#	US-PATENT-4,184,491	c 52	N80-18690 *	#	US-PATENT-4,218,633	c 72	N80-33186 *	#
US-PATENT-4,148,031	c 32	N79-24210 *	#	US-PATENT-4,184,609	c 37	N80-18393 *	#	US-PATENT-4,218,650	c 33	N80-32650 *	#
US-PATENT-4,148,295	c 44	N79-23481 *	#	US-PATENT-4,184,903	c 44	N80-18550 *	#	US-PATENT-4,218,682	c 32	N80-32604 *	#
US-PATENT-4,148,375	c 46	N79-22679 *	#	US-PATENT-4,185,164	c 33	N80-18286 *	#	US-PATENT-4,218,685	c 32	N81-14187 *	#
US-PATENT-4,148,452	c 08	N79-23097 *	#	US-PATENT-4,185,493	c 35	N80-18357 *	#	US-PATENT-4,218,892	c 35	N81-14287 *	#
US-PATENT-4,148,962	c 24	N79-24062 *	#	US-PATENT-4,186,347	c 32	N80-18253 *	#	US-PATENT-4,218,921	c 71	N81-15767 *	#
US-PATENT-4,149,034	c 71	N79-23753 *	#	US-PATENT-4,186,749	c 52	N80-18691 *	#	US-PATENT-4,218,941	c 37	N81-14319 *	#
US-PATENT-4,149,233	c 33	N79-24257 *	#	US-PATENT-4,187,394	c 32	N80-18252 *	#	US-PATENT-4,219,027	c 52	N81-14612 *	#
US-PATENT-4,149,278	c 54	N79-24652 *	#	US-PATENT-4,187,416	c 33	N80-18285 *	#	US-PATENT-4,219,084	c 31	N81-14137 *	#
US-PATENT-4,149,423	c 32	N79-24203 *	#	US-PATENT-4,187,470	c 36	N80-18372 *	#	US-PATENT-4,219,107	c 37	N81-15364 *	#
US-PATENT-4,149,521	c 44	N79-24433 *	#	US-PATENT-4,187,506	c 33	N80-18287 *	#	US-PATENT-4,219,171	c 37	N81-14320 *	#
US-PATENT-4,149,665	c 44	N79-24431 *	#	US-PATENT-4,188,368	c 31	N80-18231 *	#	US-PATENT-4,219,203	c 37	N81-15363 *	#
US-PATENT-4,149,817	c 44	N79-24432 *	#	US-PATENT-4,188,823	c 02	N80-20224 *	#	US-PATENT-4,219,926	c 44	N81-14389 *	#
US-PATENT-4,149,938	c 25	N79-24073 *	#	US-PATENT-4,189,234	c 74	N80-21138 *	#	US-PATENT-4,220,171	c 07	N81-14999 *	#
US-PATENT-4,150,425	c 33	N79-24254 *	#	US-PATENT-4,189,675	c 32	N80-20448 *	#	US-PATENT-4,221,005	c 32	N81-15179 *	#
US-PATENT-4,151,086	c 34	N79-24285 *	#	US-PATENT-4,190,614	c 07	N81-29129 *	#	US-PATENT-4,222,098	c 33	N81-14220 *	#
US-PATENT-4,151,456	c 33	N79-23345 *	#	US-PATENT-4,190,626	c 52	N81-29763 *	#	US-PATENT-4,225,102	c 02	N81-14968 *	#
US-PATENT-4,151,612	c 54	N79-24651 *	#	US-PATENT-4,191,159	c 27	N81-29163 *	#	US-PATENT-4,225,372	c 27	N81-14077 *	#
US-PATENT-4,151,800	c 24	N79-25142 *	#	US-PATENT-4,191,559	c 37	N80-29703 *	#	US-PATENT-4,226,475	c 43	N81-26509 *	#
US-PATENT-4,152,194	c 76	N79-23798 *	#	US-PATENT-4,191,505	c 44	N80-21928 *	#	US-PATENT-4,227,096	c 33	N81-17348 *	#
US-PATENT-4,153,134	c 46	N79-23555 *	#	US-PATENT-4,191,893	c 44	N80-29834 *	#	US-PATENT-4,228,422	c 33	N81-14221 *	#
US-PATENT-4,153,476	c 44	N79-25482 *	#	US-PATENT-4,192,290	c 44	N80-20810 *	#	US-PATENT-4,228,656	c 37	N81-14318 *	#
US-PATENT-4,153,818	c 32	N79-23310 *	#	US-PATENT-4,192,910	c 33	N80-20487 *	#	US-PATENT-4,229,182	c 28	N81-15119 *	#
US-PATENT-4,154,084	c 43	N79-25443 *	#	US-PATENT-4,192,910	c 44	N81-29524 *	#	US-PATENT-4,229,196	c 28	N81-14103 *	#
US-PATENT-4,154,228	c 52	N79-27836 *	#	US-PATENT-4,192,994	c 74	N80-21140 *	#	US-PATENT-4,229,473	c 24	N81-14000 *	#
US-PATENT-4,154,230	c 52	N79-26771 *	#	US-PATENT-4,193,388	c 44	N80-20808 *	#	US-PATENT-4,229,473	c 24	N81-33235 *	#
US-PATENT-4,154,256	c 05	N79-24976 *	#	US-PATENT-4,193,435	c 37	N80-23653 *	#	US-PATENT-4,230,717	c 52	N81-14613 *	#
US-PATENT-4,154,501	c 33	N81-29342 *	#	US-PATENT-4,193,570	c 35	N80-21719 *	#	US-PATENT-4,233,258	c 27	N81-14078 *	#
US-PATENT-4,154,912	c 44	N79-25481 *	#	US-PATENT-4,193,693	c 35	N80-20563 *	#	US-PATENT-4,233,606	c 32	N81-14185 *	#
US-PATENT-4,155,475	c 24	N79-25143 *	#	US-PATENT-4,193,827	c 28	N80-20402 *	#	US-PATENT-4,234,258	c 25	N81-14015 *	#
US-PATENT-4,156,309	c 44	N79-26475 *	#	US-PATENT-4,193,827	c 28	N81-14103 *	#	US-PATENT-4,234,715	c 25	N81-14016 *	#
US-PATENT-4,156,548	c 35	N79-26372 *	#	US-PATENT-4,194,115	c 25	N80-20334 *	#	US-PATENT-4,234,971	c 32	N81-14186 *	#
US-PATENT-4,156,752	c 15	N79-26100 *	#	US-PATENT-4,195,244	c 35	N80-20559 *	#	US-PATENT-4,235,060	c 37	N81-14317 *	#
US-PATENT-4,156,971	c 43	N79-26439 *	#	US-PATENT-4,195,279	c 35	N80-20560 *	#	US-PATENT-4,236,383	c 44	N81-17518 *	#
US-PATENT-4,157,655	c 43	N80-14423 *	#	US-PATENT-4,195,512	c 43	N80-23711 *	#	US-PATENT-4,236,684	c 08	N81-19130 *	#
US-PATENT-4,157,718	c 52	N80-14684 *	#	US-PATENT-4,195,666	c 37	N80-23654 *	#	US-PATENT-4,237,662	c 31	N81-27323 *	#
US-PATENT-4,158,583	c 28	N79-28342 *	#	US-PATENT-4,196,129	c 27	N80-32515 *	#	US-PATENT-4,238,911	c 31	N81-27324 *	#
US-PATENT-4,158,742	c 12	N79-26075 *	#	US-PATENT-4,196,619	c 46	N80-24906 *	#	US-PATENT-4,239,057	c 37	N81-17433 *	#
US-PATENT-4,158,775	c 72	N80-14877 *	#	US-PATENT-4,196,840	c 37	N80-23655 *	#	US-PATENT-4,240,256	c 37	N81-17432 *	#
US-PATENT-4,158,895	c 52	N79-26772 *	#	US-PATENT-4,197,530	c 33	N80-23559 *	#	US-PATENT-4,240,290	c 06	N81-17057 *	#
US-PATENT-4,159,262	c 27	N79-28307 *	#	US-PATENT-4,198,209	c 28	N80-23471 *	#	US-PATENT-4,240,601	c 43	N81-17499 *	#
US-PATENT-4,159,366	c 44	N79-26474 *	#	US-PATENT-4,198,232	c 26	N80-23419 *	#	US-PATENT-4,241,308	c 33	N81-17349 *	#
US-PATENT-4,159,634	c 37	N79-28550 *	#	US-PATENT-4,198,788	c 74	N80-24149 *	#	US-PATENT-4,241,312	c 35	N81-19427 *	#
US-PATENT-4,160,254	c 33	N79-28416 *	#	US-PATENT-4,198,792	c 52	N80-23383 *	#	US-PATENT-4,242,498	c 27	N81-17259 *	#
US-PATENT-4,160,508	c 37	N79-28551 *	#	US-PATENT-4,198,988	c 25	N80-23969 *	#	US-PATENT-4,242,553	c 33	N81-19389 *	#
US-PATENT-4,160,601	c 35	N79-28527 *	#	US-PATENT-4,199,448	c 27	N80-23452 *	#	US-PATENT-4,242,864	c 07	N81-19116 *	#
US-PATENT-4,161,661	c 33	N79-28415 *	#	US-PATENT-4,199,650	c 27	N80-24437 *	#	US-PATENT-4,243,323	c 74	N81-17888 *	#
US-PATENT-4,161,731	c 31	N79-28370 *	#	US-PATENT-4,199,764	c 32	N80-23524 *	#	US-PATENT-4,243,327	c 74	N81-17887 *	#
US-PATENT-4,161,747	c 37	N79-28549 *	#	US-PATENT-4,199,937	c 34	N80-24573 *	#	US-PATENT-4,244,215	c 04	N81-21930 *	#
US-PATENT-4,162,169	c 24	N79-31347 *	#	US-PATENT-4,200,721	c 44	N81-24519 *	#	US-PATENT-4,244,810	c 09	N82-29330 *	#
US-PATENT-4,162,701	c 34	N79-31523 *	#	US-PATENT-4,201,468	c 32	N80-24438 *	#	US-PATENT-4,244,853	c 27	N81-19296 *	#
US-PATENT-4,162,928	c 44	N79-31753 *	#	US-PATENT-4,203,723	c 27	N80-24510 *	#	US-PATENT-4,244,857	c 27	N81-17260 *	#
US-PATENT-4,163,678	c 44	N79-31752 *	#	US-PATENT-4,203,723	c 27	N80-26446 *	#	US-PATENT-4,245,085	c 27	N81-17262 *	#
US-PATENT-4,164,079	c 09	N79-31228 *	#	US-PATENT-4,204,037	c 51	N80-27067 *					

US-PATENT-4,252,440	c 39	N81-25400	#	US-PATENT-4,290,779	c 44	N82-16475	* #	US-PATENT-4,340,425	c 26	N82-31505	* #
US-PATENT-4,252,768	c 37	N81-25371	#	US-PATENT-4,291,294	c 04	N82-16059	* #	US-PATENT-4,341,012	c 35	N82-31659	* #
US-PATENT-4,253,156	c 34	N81-26402	* #	US-PATENT-4,291,887	c 37	N82-12442	* #	US-PATENT-4,341,843	c 26	N82-30371	* #
US-PATENT-4,253,769	c 25	N81-25159	* #	US-PATENT-4,292,375	c 24	N82-24296	* #	US-PATENT-4,341,918	c 44	N82-31764	* #
US-PATENT-4,254,464	c 62	N81-24779	* #	US-PATENT-4,292,634	c 32	N82-12297	* #	US-PATENT-4,341,925	c 32	N82-31583	* #
US-PATENT-4,255,048	c 36	N81-24422	* #	US-PATENT-4,293,522	c 25	N82-12166	* #	US-PATENT-4,343,287	c 37	N82-32730	* #
US-PATENT-4,255,495	c 26	N81-25188	* #	US-PATENT-4,294,261	c 52	N82-11770	* #	US-PATENT-4,343,447	c 08	N82-32373	* #
US-PATENT-4,255,929	c 37	N81-25370	* #	US-PATENT-4,294,264	c 52	N82-22875	* #	US-PATENT-4,343,506	c 85	N82-32388	* #
US-PATENT-4,256,093	c 52	N81-25660	* #	US-PATENT-4,295,111	c 33	N82-11357	* #	US-PATENT-4,343,584	c 37	N82-32731	* #
US-PATENT-4,258,366	c 32	N81-25278	* #	US-PATENT-4,295,140	c 35	N82-15381	* #	US-PATENT-4,343,772	c 44	N83-10501	* #
US-PATENT-4,259,821	c 31	N81-25258	* #	US-PATENT-4,295,786	c 37	N82-19540	* #	US-PATENT-4,344,591	c 24	N82-32417	* #
US-PATENT-4,259,825	c 31	N81-25259	* #	US-PATENT-4,298,833	c 33	N82-18493	* #	US-PATENT-4,344,787	c 31	N83-31896	* #
US-PATENT-4,260,166	c 37	N81-24442	* #	US-PATENT-4,298,926	c 33	N82-18494	* #	US-PATENT-4,344,996	c 27	N82-33521	* #
US-PATENT-4,260,187	c 37	N81-27519	* #	US-PATENT-4,298,987	c 60	N82-16747	* #	US-PATENT-4,345,153	c 35	N82-32659	* #
US-PATENT-4,261,349	c 52	N81-25662	* #	US-PATENT-4,299,492	c 36	N82-16396	* #	US-PATENT-4,346,595	c 06	N83-10040	* #
US-PATENT-4,261,537	c 08	N81-24106	* #	US-PATENT-4,300,106	c 36	N82-13415	* #	US-PATENT-4,346,595	c 06	N84-34443	* #
US-PATENT-4,262,064	c 44	N81-24521	* #	US-PATENT-4,300,159	c 43	N82-13465	* #	US-PATENT-4,346,715	c 52	N82-33996	* #
US-PATENT-4,262,067	c 27	N81-24257	* #	US-PATENT-4,300,656	c 71	N82-16800	* #	US-PATENT-4,346,754	c 34	N83-34221	* #
US-PATENT-4,262,080	c 27	N81-25209	* #	US-PATENT-4,300,723	c 34	N82-13376	* #	US-PATENT-4,346,990	c 36	N82-32712	* #
US-PATENT-4,262,195	c 44	N81-24520	* #	US-PATENT-4,301,740	c 37	N82-21587	* #	US-PATENT-4,347,613	c 36	N83-10417	* #
US-PATENT-4,262,198	c 74	N83-19597	* #	US-PATENT-4,302,223	c 25	N82-21269	* #	US-PATENT-4,349,424	c 24	N83-10117	* #
US-PATENT-4,262,206	c 74	N81-24900	* #	US-PATENT-4,302,734	c 33	N82-16340	* #	US-PATENT-4,349,424	c 70	N84-28565	* #
US-PATENT-4,262,258	c 33	N81-27396	* #	US-PATENT-4,303,961	c 28	N82-18401	* #	US-PATENT-4,349,429	c 25	N83-10126	* #
US-PATENT-4,262,259	c 33	N81-24338	* #	US-PATENT-4,304,219	c 44	N82-18686	* #	US-PATENT-4,349,954	c 26	N83-10170	* #
US-PATENT-4,263,112	c 28	N81-24280	* #	US-PATENT-4,304,320	c 37	N82-18601	* #	US-PATENT-4,350,410	c 74	N83-10900	* #
US-PATENT-4,264,310	c 54	N81-27806	* #	US-PATENT-4,305,205	c 37	N82-26672	* #	US-PATENT-4,350,574	c 44	N83-10494	* #
US-PATENT-4,264,728	c 51	N81-28698	* #	US-PATENT-4,307,024	c 25	N82-24312	* #	US-PATENT-4,351,022	c 33	N83-10345	* #
US-PATENT-4,264,802	c 35	N81-26431	* #	US-PATENT-4,307,510	c 60	N82-24839	* #	US-PATENT-4,355,311	c 32	N83-31916	* #
US-PATENT-4,264,908	c 33	N81-26358	* #	US-PATENT-4,307,575	c 44	N82-26776	* #	US-PATENT-4,355,870	c 74	N83-13978	* #
US-PATENT-4,264,940	c 33	N81-27397	* #	US-PATENT-4,307,856	c 05	N82-26277	* #	US-PATENT-4,355,896	c 47	N83-32232	* #
US-PATENT-4,264,984	c 60	N81-27814	* #	US-PATENT-4,308,309	c 27	N82-24339	* #	US-PATENT-4,357,402	c 25	N83-13188	* #
US-PATENT-4,265,414	c 14	N81-26161	* #	US-PATENT-4,308,868	c 52	N82-29863	* #	US-PATENT-4,358,358	c 25	N83-13187	* #
US-PATENT-4,266,177	c 33	N81-27395	* #	US-PATENT-4,309,039	c 37	N82-24490	* #	US-PATENT-4,358,480	c 24	N83-13172	* #
US-PATENT-4,266,743	c 08	N81-26152	* #	US-PATENT-4,309,146	c 44	N82-24639	* #	US-PATENT-4,358,486	c 24	N83-13171	* #
US-PATENT-4,266,788	c 37	N81-26447	* #	US-PATENT-4,309,372	c 25	N82-21268	* #	US-PATENT-4,358,732	c 33	N83-18996	* #
US-PATENT-4,267,594	c 33	N81-26359	* #	US-PATENT-4,310,049	c 25	N82-23282	* #	US-PATENT-4,358,846	c 32	N83-13323	* #
US-PATENT-4,267,953	c 24	N81-26179	* #	US-PATENT-4,310,132	c 24	N82-26384	* #	US-PATENT-4,360,325	c 44	N83-14693	* #
US-PATENT-4,267,992	c 37	N81-24443	* #	US-PATENT-4,310,574	c 27	N82-28441	* #	US-PATENT-4,360,701	c 44	N83-14692	* #
US-PATENT-4,269,640	c 37	N82-24491	* #	US-PATENT-4,310,906	c 33	N82-26572	* #	US-PATENT-4,362,361	c 74	N83-17305	* #
US-PATENT-4,269,787	c 27	N81-24256	* #	US-PATENT-4,311,055	c 54	N82-26987	* #	US-PATENT-4,362,769	c 27	N83-34039	* #
US-PATENT-4,270,539	c 52	N81-28740	* #	US-PATENT-4,311,057	c 37	N82-24493	* #	US-PATENT-4,363,188	c 51	N83-17045	* #
US-PATENT-4,270,984	c 44	N81-29524	* #	US-PATENT-4,311,378	c 35	N82-26628	* #	US-PATENT-4,363,237	c 71	N83-17235	* #
US-PATENT-4,271,761	c 15	N82-24272	* #	US-PATENT-4,311,615	c 25	N82-26396	* #	US-PATENT-4,363,242	c 33	N83-16626	* #
US-PATENT-4,272,046	c 08	N82-24205	* #	US-PATENT-4,311,870	c 44	N82-26777	* #	US-PATENT-4,366,680	c 31	N83-31897	* #
US-PATENT-4,272,302	c 33	N81-26360	* #	US-PATENT-4,312,292	c 37	N82-24492	* #	US-PATENT-4,370,750	c 34	N83-19015	* #
US-PATENT-4,272,470	c 23	N81-29160	* #	US-PATENT-4,313,077	c 33	N82-26569	* #	US-PATENT-4,371,301	c 37	N83-19091	* #
US-PATENT-4,272,720	c 47	N82-24779	* #	US-PATENT-4,313,103	c 33	N82-26570	* #	US-PATENT-4,371,596	c 44	N83-32176	* #
US-PATENT-4,273,304	c 05	N81-26114	* #	US-PATENT-4,313,291	c 09	N82-29330	* #	US-PATENT-4,371,873	c 32	N83-19968	* #
US-PATENT-4,273,505	c 54	N81-26718	* #	US-PATENT-4,313,726	c 09	N82-24212	* #	US-PATENT-4,371,946	c 32	N83-18975	* #
US-PATENT-4,273,918	c 27	N82-24338	* #	US-PATENT-4,313,745	c 27	N82-28442	* #	US-PATENT-4,372,110	c 07	N83-33884	* #
US-PATENT-4,274,038	c 37	N81-33483	* #	US-PATENT-4,313,777	c 33	N82-26571	* #	US-PATENT-4,372,158	c 44	N83-21503	* #
US-PATENT-4,274,285	c 35	N81-29407	* #	US-PATENT-4,314,984	c 25	N82-28368	* #	US-PATENT-4,372,559	c 44	N83-21504	* #
US-PATENT-4,274,901	c 24	N81-33235	* #	US-PATENT-4,315,194	c 33	N82-26568	* #	US-PATENT-4,372,377	c 74	N83-19596	* #
US-PATENT-4,275,317	c 33	N82-24418	* #	US-PATENT-4,315,197	c 33	N82-24421	* #	US-PATENT-4,372,680	c 35	N83-21311	* #
US-PATENT-4,275,453	c 33	N82-24417	* #	US-PATENT-4,315,266	c 32	N82-27558	* #	US-PATENT-4,373,003	c 27	N83-18908	* #
US-PATENT-4,276,344	c 27	N81-27272	* #	US-PATENT-4,316,035	c 23	N82-28353	* #	US-PATENT-4,373,039	c 27	N83-19900	* #
US-PATENT-4,276,344	c 27	N85-21347	* #	US-PATENT-4,317,102	c 35	N82-24470	* #	US-PATENT-4,373,142	c 44	N83-32175	* #
US-PATENT-4,276,403	c 27	N81-27271	* #	US-PATENT-4,319,133	c 33	N82-28545	* #	US-PATENT-4,373,989	c 76	N83-20789	* #
US-PATENT-4,276,553	c 32	N81-27341	* #	US-PATENT-4,320,290	c 74	N82-24072	* #	US-PATENT-4,374,183	c 25	N83-31795	* #
US-PATENT-4,276,588	c 33	N81-33404	* #	US-PATENT-4,320,397	c 32	N82-23376	* #	US-PATENT-4,374,378	c 35	N83-34272	* #
US-PATENT-4,277,402	c 23	N82-16174	* #	US-PATENT-4,320,911	c 37	N82-24494	* #	US-PATENT-4,375,281	c 05	N83-19737	* #
US-PATENT-4,277,721	c 33	N82-24415	* #	US-PATENT-4,321,099	c 44	N82-28780	* #	US-PATENT-4,375,396	c 31	N83-19947	* #
US-PATENT-4,278,220	c 07	N82-26293	* #	US-PATENT-4,321,572	c 33	N82-24422	* #	US-PATENT-4,375,536	c 27	N83-34040	* #
US-PATENT-4,278,351	c 74	N81-29963	* #	US-PATENT-4,325,001	c 35	N82-24471	* #	US-PATENT-4,375,674	c 39	N83-20280	* #
US-PATENT-4,278,830	c 44	N81-29525	* #	US-PATENT-4,325,707	c 25	N82-29371	* #	US-PATENT-4,376,637	c 35	N84-17555	* #
US-PATENT-4,278,830	c 44	N82-28780	* #	US-PATENT-4,326,381	c 44	N82-24540	* #	US-PATENT-4,376,872	c 44	N83-32177	* #
US-PATENT-4,278,978	c 32	N81-29308	* #	US-PATENT-4,326,685	c 04	N82-23231	* #	US-PATENT-4,377,089	c 35	N83-21312	* #
US-PATENT-4,279-018	c 33	N81-33405	* #	US-PATENT-4,327,150	c 27	N82-24340	* #	US-PATENT-4,377,169	c 52	N83-21785	* #
US-PATENT-4,279,001	c 33	N82-24416	* #	US-PATENT-4,327,437	c 60	N82-29013	* #	US-PATENT-4,377,266	c 07	N83-20944	* #
US-PATENT-4,279,632	c 31	N81-33319	* #	US-PATENT-4,327,581	c 09	N82-23254	* #	US-PATENT-4,377,343	c 74	N83-21949	* #
US-PATENT-4,279,906	c 52	N81-29764	* #	US-PATENT-4,328,464	c 36	N82-28616	* #	US-PATENT-4,377,371	c 18	N83-20996	* #
US-PATENT-4,280,141	c 33	N81-33403	* #	US-PATENT-4,329,114	c 07	N82-32366	* #	US-PATENT-4,377,371	c 37	N84-22957	* #
US-PATENT-4,280,689	c 37	N81-33482	* #	US-PATENT-4,329,385	c 27	N82-28440	* #	US-PATENT-4,377,949	c 45	N83-25217	* #
US-PATENT-4,280,766	c 35	N81-33448	* #	US-PATENT-4,330,100	c 05	N82-28279	* #	US-PATENT-4,378,209	c 35	N83-24828	* #
US-PATENT-4,281,102	c 18	N81-29229	* #	US-PATENT-4,330,359	c 76	N82-30105	* #	US-PATENT-4,378,813	c 52	N83-25346	* #
US-PATENT-4,281,384	c 27	N81-29152	* #	US-PATENT-4,330,572	c 27	N82-33520	* #	US-PATENT-4,379,970	c 33	N83-24763	* #
US-PATENT-4,281,708	c 33	N82-24419	* #	US-PATENT-4,331,422	c 52	N82-29862	* #	US-PATENT-4,380,046	c 60	N83-25378	* #
US-PATENT-4,282,479	c 33	N82-24420	* #	US-PATENT-4,331,742	c 44	N82-29710	* #	US-PATENT-4,381,174	c 37	N83-26078	* #
US-PATENT-4,											

US-PATENT-4,387,935	c 37	N83-32067 * #	US-PATENT-4,420,352	c 27	N84-22748 * #	US-PATENT-4,459,528	c 33	N84-27975 * #
US-PATENT-4,388,171	c 23	N84-16255 * #	US-PATENT-4,420,518	c 27	N84-14323 * #	US-PATENT-4,459,562	c 33	N84-27974 * #
US-PATENT-4,388,346	c 33	N84-16456 * #	US-PATENT-4,420,836	c 36	N84-14509 * #	US-PATENT-4,462,871	c 76	N84-35112 * #
US-PATENT-4,388,502	c 05	N83-27975 * #	US-PATENT-4,420,977	c 71	N84-23233 * #	US-PATENT-4,463,357	c 46	N85-21846 * #
US-PATENT-4,388,542	c 44	N83-28573 * #	US-PATENT-4,421,109	c 54	N84-16803 * #	US-PATENT-4,463,465	c 03	N84-33394 * #
US-PATENT-4,388,585	c 33	N83-28319 * #	US-PATENT-4,421,371	c 33	N84-14423 * #	US-PATENT-4,463,606	c 71	N85-22105 * #
US-PATENT-4,388,585	c 33	N84-33660 * #	US-PATENT-4,421,700	c 24	N84-16262 * #	US-PATENT-4,464,710	c 33	N84-33663 * #
US-PATENT-4,388,965	c 34	N83-28356 * #	US-PATENT-4,421,820	c 27	N84-14322 * #	US-PATENT-4,466,242	c 20	N85-21256 * #
US-PATENT-4,389,504	c 27	N83-28240 * #	US-PATENT-4,422,012	c 33	N84-16452 * #	US-PATENT-4,466,667	c 35	N84-33768 * #
US-PATENT-4,389,504	c 27	N85-21349 * #	US-PATENT-4,422,609	c 37	N84-16560 * #	US-PATENT-4,469,552	c 76	N84-35113 * #
US-PATENT-4,389,849	c 44	N83-28574 * #	US-PATENT-4,423,605	c 34	N84-22903 * #	US-PATENT-4,469,942	c 35	N84-33767 * #
US-PATENT-4,389,904	c 35	N83-29650 * #	US-PATENT-4,424,592	c 36	N84-16542 * #	US-PATENT-4,469,998	c 33	N84-33661 * #
US-PATENT-4,391,129	c 34	N83-31993 * #	US-PATENT-4,425,376	c 71	N84-16940 * #	US-PATENT-4,470,293	c 37	N84-33807 * #
US-PATENT-4,391,423	c 18	N83-29303 * #	US-PATENT-4,425,543	c 33	N84-16454 * #	US-PATENT-4,470,403	c 44	N84-34792 * #
US-PATENT-4,391,514	c 36	N83-34304 * #	US-PATENT-4,425,785	c 15	N84-16231 * #	US-PATENT-4,471,357	c 32	N84-34651 * #
US-PATENT-4,391,518	c 36	N83-29680 * #	US-PATENT-4,425,808	c 35	N84-28015 * #	US-PATENT-4,472,473	c 18	N84-33450 * #
US-PATENT-4,391,609	c 25	N83-31743 * #	US-PATENT-4,425,808	c 35	N85-21598 * #	US-PATENT-4,472,716	c 35	N84-33769 * #
US-PATENT-4,392,356	c 34	N83-29625 * #	US-PATENT-4,425,854	c 25	N84-16276 * #	US-PATENT-4,472,728	c 35	N84-33765 * #
US-PATENT-4,392,749	c 35	N83-29651 * #	US-PATENT-4,426,614	c 33	N84-16455 * #	US-PATENT-4,473,259	c 37	N85-20337 * #
US-PATENT-4,392,874	c 35	N83-29652 * #	US-PATENT-4,426,678	c 33	N84-16453 * #	US-PATENT-4,473,674	c 24	N84-34571 * #
US-PATENT-4,392,920	c 27	N83-29388 * #	US-PATENT-4,426,874	c 35	N84-28019 * #	US-PATENT-4,473,792	c 33	N84-33660 * #
US-PATENT-4,393,039	c 25	N83-29324 * #	US-PATENT-4,426,122	c 35	N84-16523 * #	US-PATENT-4,474,062	c 06	N84-34443 * #
US-PATENT-4,393,706	c 71	N83-32516 * #	US-PATENT-4,428,226	c 07	N84-22559 * #	US-PATENT-4,474,180	c 52	N84-34913 * #
US-PATENT-4,393,708	c 71	N83-32515 * #	US-PATENT-4,428,675	c 35	N84-22929 * #	US-PATENT-4,474,471	c 35	N84-34705 * #
US-PATENT-4,393,716	c 39	N83-32081 * #	US-PATENT-4,429,537	c 37	N84-16561 * #	US-PATENT-4,474,975	c 25	N85-21280 * #
US-PATENT-4,393,777	c 37	N84-12491 * #	US-PATENT-4,429,537	c 37	N84-22958 * #	US-PATENT-4,475,063	c 33	N85-21491 * #
US-PATENT-4,394,610	c 33	N83-31953 * #	US-PATENT-4,430,360	c 37	N84-22957 * #	US-PATENT-4,475,385	c 09	N84-34448 * #
US-PATENT-4,394,726	c 60	N83-32342 * #	US-PATENT-4,430,673	c 74	N84-23247 * #	US-PATENT-4,475,527	c 37	N85-21650 * #
US-PATENT-4,394,819	c 35	N83-32026 * #	US-PATENT-4,431,306	c 35	N84-22931 * #	US-PATENT-4,475,921	c 71	N85-22104 * #
US-PATENT-4,395,123	c 74	N83-32577 * #	US-PATENT-4,431,333	c 18	N84-22605 * #	US-PATENT-4,478,879	c 44	N85-20530 * #
US-PATENT-4,395,503	c 27	N83-34043 * #	US-PATENT-4,431,761	c 27	N84-22747 * #	US-PATENT-4,479,053	c 74	N85-22139 * #
US-PATENT-4,395,511	c 27	N84-14324 * #	US-PATENT-4,431,792	c 27	N84-22746 * #	US-PATENT-4,479,386	c 27	N85-20126 * #
US-PATENT-4,395,540	c 27	N84-22746 * #	US-PATENT-4,432,853	c 52	N84-23095 * #	US-PATENT-4,479,560	c 35	N85-20294 * #
US-PATENT-4,395,540	c 27	N85-20123 * #	US-PATENT-4,433,115	c 27	N84-22745 * #	US-PATENT-4,481,570	c 60	N85-21992 * #
US-PATENT-4,395,557	c 27	N83-31854 * #	US-PATENT-4,433,276	c 33	N84-22885 * #	US-PATENT-4,482,778	c 44	N85-21768 * #
US-PATENT-4,395,557	c 27	N84-22745 * #	US-PATENT-4,433,434	c 54	N84-23113 * #	US-PATENT-4,482,779	c 33	N85-21492 * #
US-PATENT-4,395,557	c 27	N85-21347 * #	US-PATENT-4,433,544	c 44	N84-23018 * #	US-PATENT-4,483,512	c 37	N85-20338 * #
US-PATENT-4,395,656	c 33	N83-31952 * #	US-PATENT-4,433,672	c 44	N84-28203 * #	US-PATENT-4,483,639	c 37	N85-21649 * #
US-PATENT-4,396,918	c 04	N84-27713 * #	US-PATENT-4,434,106	c 27	N84-22744 * #	US-PATENT-4,483,817	c 25	N85-21279 * #
US-PATENT-4,397,716	c 44	N83-34449 * #	US-PATENT-4,434,189	c 36	N84-22944 * #	US-PATENT-4,485,151	c 24	N85-21266 * #
US-PATENT-4,398,021	c 27	N83-34041 * #	US-PATENT-4,434,490	c 36	N84-22943 * #	US-PATENT-4,485,151	c 24	N85-35233 * #
US-PATENT-4,398,021	c 27	N85-20124 * #	US-PATENT-4,434,659	c 35	N84-22928 * #	US-PATENT-4,485,670	c 34	N85-21568 * #
US-PATENT-4,398,129	c 33	N83-34189 * #	US-PATENT-4,435,642	c 35	N84-28016 * #	US-PATENT-4,485,671	c 35	N85-20295 * #
US-PATENT-4,398,412	c 35	N84-28018 * #	US-PATENT-4,435,781	c 60	N84-28491 * #	US-PATENT-4,485,992	c 08	N85-19985 * #
US-PATENT-4,398,667	c 71	N84-14873 * #	US-PATENT-4,437,069	c 33	N84-22887 * #	US-PATENT-4,488,155	c 33	N85-21493 * #
US-PATENT-4,398,925	c 71	N83-35781 * #	US-PATENT-4,437,923	c 35	N84-22930 * #	US-PATENT-4,488,335	c 27	N85-20125 * #
US-PATENT-4,399,415	c 36	N83-35350 * #	US-PATENT-4,437,961	c 33	N84-22884 * #	US-PATENT-4,488,663	c 35	N85-21595 * #
US-PATENT-4,399,515	c 35	N84-14491 * #	US-PATENT-4,437,962	c 24	N84-22695 * #	US-PATENT-4,489,027	c 27	N85-20124 * #
US-PATENT-4,400,191	c 31	N83-35176 * #	US-PATENT-4,437,962	c 24	N85-21267 * #	US-PATENT-4,489,239	c 36	N85-21631 * #
US-PATENT-4,400,642	c 76	N83-34796 * #	US-PATENT-4,439,301	c 44	N84-23019 * #	US-PATENT-4,489,243	c 44	N85-21769 * #
US-PATENT-4,400,657	c 33	N83-34190 * #	US-PATENT-4,439,465	c 26	N84-22734 * #	US-PATENT-4,489,264	c 33	N85-22877 * #
US-PATENT-4,401,505	c 76	N83-35888 * #	US-PATENT-4,439,718	c 33	N84-22886 * #	US-PATENT-4,490,117	c 09	N85-19990 * #
US-PATENT-4,401,934	c 33	N83-35227 * #	US-PATENT-4,439,766	c 32	N84-22820 * #	US-PATENT-4,490,229	c 31	N85-20153 * #
US-PATENT-4,401,953	c 33	N83-34191 * #	US-PATENT-4,439,968	c 16	N84-22601 * #	US-PATENT-4,491,427	c 37	N85-21651 * #
US-PATENT-4,402,221	c 71	N83-36846 * #	US-PATENT-4,442,716	c 35	N84-22934 * #	US-PATENT-4,493,021	c 32	N85-21428 * #
US-PATENT-4,402,358	c 34	N83-35307 * #	US-PATENT-4,443,321	c 25	N84-22709 * #	US-PATENT-4,493,211	c 09	N85-21178 * #
US-PATENT-4,402,447	c 35	N83-35338 * #	US-PATENT-4,443,701	c 74	N84-28590 * #	US-PATENT-4,493,553	c 36	N85-21639 * #
US-PATENT-4,402,992	c 31	N83-35177 * #	US-PATENT-4,443,724	c 35	N84-28017 * #	US-PATENT-4,495,044	c 24	N85-21267 * #
US-PATENT-4,404,469	c 74	N84-11920 * #	US-PATENT-4,444,368	c 05	N84-22551 * #	US-PATENT-4,495,339	c 25	N85-30039 * #
US-PATENT-4,404,793	c 07	N83-36029 * #	US-PATENT-4,444,464	c 74	N84-23248 * #	US-PATENT-4,495,520	c 32	N85-21427 * #
US-PATENT-4,405,184	c 37	N84-12492 * #	US-PATENT-4,444,972	c 27	N84-22750 * #	US-PATENT-4,496,122	c 05	N85-21147 * #
US-PATENT-4,405,197	c 74	N84-11921 * #	US-PATENT-4,444,979	c 27	N84-22749 * #	US-PATENT-4,496,701	c 27	N85-21347 * #
US-PATENT-4,406,256	c 37	N83-36483 * #	US-PATENT-4,445,118	c 04	N84-22546 * #	US-PATENT-4,497,540	c 74	N85-23396 * #
US-PATENT-4,406,797	c 25	N83-36118 * #	US-PATENT-4,445,378	c 35	N84-22933 * #	US-PATENT-4,497,935	c 27	N85-21349 * #
US-PATENT-4,406,989	c 33	N83-36356 * #	US-PATENT-4,446,199	c 26	N84-33555 * #	US-PATENT-4,497,939	c 27	N85-21351 * #
US-PATENT-4,407,001	c 33	N83-36355 * #	US-PATENT-4,446,396	c 35	N84-22932 * #	US-PATENT-4,497,940	c 27	N85-21352 * #
US-PATENT-4,407,165	c 37	N83-36482 * #	US-PATENT-4,446,459	c 60	N84-28492 * #	US-PATENT-4,497,948	c 27	N85-21350 * #
US-PATENT-4,407,468	c 01	N83-35992 * #	US-PATENT-4,446,556	c 36	N84-28065 * #	US-PATENT-4,498,231	c 35	N85-21598 * #
US-PATENT-4,407,563	c 74	N83-36898 * #	US-PATENT-4,446,757	c 37	N84-28084 * #	US-PATENT-4,498,333	c 35	N85-21597 * #
US-PATENT-4,407,589	c 33	N83-36357 * #	US-PATENT-4,447,251	c 71	N84-28568 * #	US-PATENT-4,499,260	c 27	N85-21348 * #
US-PATENT-4,407,686	c 35	N84-12443 * #	US-PATENT-4,447,943	c 52	N84-28389 * #	US-PATENT-4,499,424	c 35	N85-21596 * #
US-PATENT-4,408,597	c 52	N84-11744 * #	US-PATENT-4,448,408	c 37	N84-28083 * #	US-PATENT-4,499,470	c 43	N85-21723 * #
US-PATENT-4,408,658	c 27	N83-36220 * #	US-PATENT-4,449,370	c 37	N84-33808 * #	US-PATENT-4,500,265	c 31	N85-21404 * #
US-PATENT-4,410,189	c 37	N84-11497 * #	US-PATENT-4,449,400	c 47	N84-28292 * #	US-PATENT-4,500,492	c 37	N85-21652 * #
US-PATENT-4,410,682	c 24	N84-11213 * #	US-PATENT-4,449,514	c 44	N84-28204 * #	US-PATENT-4,503,436	c 32	N85-29118 * #
US-PATENT-4,411,380	c 24	N84-11214 * #	US-PATENT-4,449,894	c 37	N84-28081 * #	US-PATENT-4,505,998	c 33	N85-29144 * #
US-PATENT-4,411,597	c 07	N84-22560 * #	US-PATENT-4,450,268	c 27	N84-27884 * #	US-PATENT-4,506,183	c 34	N85-29179 * #
US-PATENT-4,411,660	c 54	N84-11758 * #	US-PATENT-4,450,447	c 32	N84-27951 * #	US-PATENT-4,507,928	c 31	N85-29082 * #
US-PATENT-4,412,664	c 02	N84-11136 * #	US-PATENT-4,451,017	c 18	N84-27787 * #	US-PATENT-4,508,296	c 18	N85-29991 * #
US-PATENT-4,413,522	c 35	N84-12445 * #	US-PATENT-4,451,496	c 26	N84-27855 * #	US-PATENT-4,509,048	c 32	N85-34327 * #
US-PATENT-4,413,784	c 34	N84-12406 * #	US-PATENT-4,452,088	c 24	N84-27829 * #	US-PATENT-4,509,130	c 36	N85-29264 * #
US-PATENT-4,414,080	c 25	N84-12262 * #	US-PATENT-4,452,412	c 16	N84-27784 * #	US-PATENT-4,509,132	c 33	N85-34333 * #
US-PATENT-4,414,509	c 35	N84-12444 * #	US-PATENT-4,453,163	c 06	N84-27733 * #	US-PATENT-4,509,548	c 37	N85-34403 * #
US-PATENT-4,414,816	c 07	N84-24577 * #	US-PATENT-4,454,611	c 54	N84-28484 * #	US-PATENT-4,510,277	c 27	N85-34282 * #
US-PATENT-4,415,133	c 05	N84-12154 * #	US-PATENT-4,454,649	c 44	N84-28205 * #	US-PATENT-4,510,296	c 23	N85-28973 * #
US-PATENT-4,415,311	c 37	N84-12493 * #	US-PATENT-4,454,753	c 09	N84-27749 * #	US-PATENT-4,510,476	c 33	N85-29146 * #
US-PATENT-4,415,450	c 45	N84-12654 * #						

US-PATENT-4,513,810	c 35	N85-29214 * #
US-PATENT-4,514,137	c 37	N85-29282 * #
US-PATENT-4,514,143	c 05	N85-29947 * #
US-PATENT-4,514,178	c 35	N85-29212 * #
US-PATENT-4,514,557	c 25	N85-28982 * #
US-PATENT-4,515,207	c 34	N85-29180 * #
US-PATENT-4,515,751	c 35	N85-29213 * #
US-PATENT-4,516,071	c 33	N85-30187 * #
US-PATENT-4,516,435	c 37	N85-29286 * #
US-PATENT-4,517,472	c 33	N85-29147 * #
US-PATENT-4,517,505	c 37	N85-30333 * #
US-PATENT-4,517,530	c 33	N85-29143 * #
US-PATENT-4,518,277	c 37	N85-30336 * #
US-PATENT-4,518,625	c 24	N85-30027 * #
US-PATENT-4,518,722	c 27	N85-29044 * #
US-PATENT-4,519,545	c 37	N85-29283 * #
US-PATENT-4,520,601	c 37	N85-30335 * #
US-PATENT-4,520,656	c 71	N85-29693 * #
US-PATENT-4,521,077	c 74	N85-29750 * #
US-PATENT-4,521,659	c 31	N85-29083 * #
US-PATENT-4,521,688	c 35	N85-30281 * #
US-PATENT-4,521,702	c 33	N85-29145 * #
US-PATENT-4,521,854	c 33	N85-29142 * #
US-PATENT-4,522,469	c 76	N85-33826 * #
US-PATENT-4,522,661	c 76	N85-30922 * #
US-PATENT-4,522,844	c 26	N85-29005 * #
US-PATENT-4,523,008	c 27	N85-29043 * #
US-PATENT-4,523,682	c 71	N85-30765 * #
US-PATENT-4,523,741	c 37	N85-29284 * #
US-PATENT-4,523,810	c 74	N85-29749 * #
US-PATENT-4,524,237	c 44	N85-30475 * #
US-PATENT-4,527,092	c 37	N85-33489 * #
US-PATENT-4,527,910	c 37	N85-33490 * #
US-PATENT-4,528,386	c 23	N85-33187 * #
US-PATENT-4,528,417	c 44	N85-34441 * #
US-PATENT-4,528,639	c 60	N85-33701 * #
US-PATENT-4,529,358	c 34	N85-33433 * #
US-PATENT-4,532,797	c 35	N85-34373 * #
US-PATENT-4,533,101	c 07	N85-35194 * #
US-PATENT-4,533,242	c 74	N85-34629 * #
US-PATENT-4,534,166	c 07	N85-35195 * #
US-PATENT-4,535,033	c 24	N85-35233 * #
US-PATENT-4,535,035	c 26	N85-35267 * #
US-PATENT-4,535,636	c 35	N85-34375 * #
US-PATENT-4,536,114	c 37	N85-34401 * #
US-PATENT-4,536,565	c 27	N85-34280 * #
US-PATENT-4,537,554	c 85	N85-34722 * #
US-PATENT-4,537,834	c 27	N85-34281 * #
US-PATENT-4,538,066	c 35	N85-34374 * #
US-PATENT-4,538,778	c 08	N85-35200 * #
US-PATENT-4,539,293	c 23	N85-35227 * #
US-PATENT-4,540,336	c 37	N85-34402 * #

Typical Accession Number Index Listing



Listings in this index are arranged numerically by NASA accession number. The category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

<p>N69-21330* # c 03</p> <p>N69-21330* # c 03</p> <p>N69-21337* # c 03</p> <p>N69-21362* # c 15</p> <p>N69-21363* # c 14</p> <p>N69-21380* # c 05</p> <p>N69-21460* # c 15</p> <p>N69-21465* # c 15</p> <p>N69-21466* # c 12</p> <p>N69-21467* # c 09</p> <p>N69-21468* # c 09</p> <p>N69-21469* # c 03</p> <p>N69-21470* # c 09</p> <p>N69-21471* # c 15</p>	<p>N69-21472* # c 15</p> <p>N69-21473* # c 05</p> <p>N69-21539* # c 03</p> <p>N69-21540* # c 11</p> <p>N69-21541* # c 14</p> <p>N69-21542* # c 09</p> <p>N69-21543* # c 09</p> <p>N69-21922* # c 15</p> <p>N69-21923* # c 14</p> <p>N69-21924* # c 15</p> <p>N69-21925* # c 05</p> <p>N69-21926* # c 09</p> <p>N69-21927* # c 09</p> <p>N69-21928* # c 08</p> <p>N69-21929* # c 25</p> <p>N69-23185* # c 15</p> <p>N69-23190* # c 15</p> <p>N69-23191* # c 14</p> <p>N69-23192* # c 05</p> <p>N69-24257* # c 14</p> <p>N69-24266* # c 15</p>	<p>US-PATENT-3,420,978 NASA-CASE-XGS-02437 US-PATENT-APPL-SN-487344 US-PATENT-CLASS-317-157 5</p> <p>US-PATENT-3,421,053 NASA-CASE-XAR-01547 US-PATENT-APPL-SN-391343 US-PATENT-CLASS-128-2 08</p> <p>US-PATENT-3,420,225 NASA-CASE-XGS-01395 US-PATENT-APPL-SN-545535 US-PATENT-CLASS-174-72</p> <p>US-PATENT-3,422,213 NASA-CASE-XLA-02704 US-PATENT-APPL-SN-469011 US-PATENT-CLASS-73-67 2</p> <p>US-PATENT-3,421,363 NASA-CASE-XNP-09752 US-PATENT-APPL-SN-640460 US-PATENT-CLASS-317-246</p> <p>US-PATENT-3,422,324 NASA-CASE-XLE-03778 US-PATENT-APPL-SN-628247 US-PATENT-CLASS-174-18</p> <p>US-PATENT-3,420,945 NASA-CASE-XGS-04994 US-PATENT-APPL-SN-619907 US-PATENT-CLASS-331-4</p> <p>US-PATENT-3,421,105 NASA-CASE-XHQ-03903 US-PATENT-APPL-SN-560967 US-PATENT-CLASS-23-208</p> <p>US-PATENT-3,423,179 NASA-CASE-XNP-07478 US-PATENT-APPL-SN-605097 US-PATENT-CLASS-175-323</p> <p>US-PATENT-3,421,591 NASA-CASE-XMS-05894-1 US-PATENT-APPL-SN-685766 US-PATENT-CLASS-137-491</p> <p>US-PATENT-3,421,541 NASA-CASE-XMS-02872 US-PATENT-APPL-SN-422864 US-PATENT-CLASS-128-2 06</p> <p>US-PATENT-3,420,223 NASA-CASE-XNP-06032 US-PATENT-APPL-SN-590146 US-PATENT-CLASS-324-158</p> <p>US-PATENT-3,422,354 NASA-CASE-XMS-07846-1 US-PATENT-APPL-SN-694247 US-PATENT-CLASS-339-91</p> <p>US-PATENT-3,422,390 NASA-CASE-XNP-09785 US-PATENT-APPL-SN-599975 US-PATENT-CLASS-340-172 5</p> <p>US-PATENT-3,422,403 NASA-CASE-XNP-07481 US-PATENT-APPL-SN-563650 US-PATENT-CLASS-310-11</p> <p>US-PATENT-3,422,291 NASA-CASE-XNP-05975 US-PATENT-APPL-SN-570097 US-PATENT-CLASS-239-416</p> <p>US-PATENT-3,421,700 NASA-CASE-NPO-10309 US-PATENT-APPL-SN-574282 US-PATENT-APPL-SN-700985</p> <p>US-PATENT-CLASS-62-6 US-PATENT-3,421,331 NASA-CASE-XLE-10529 US-PATENT-APPL-SN-603396</p> <p>US-PATENT-CLASS-317-234 US-PATENT-3,421,056 NASA-CASE-XMS-06761 US-PATENT-APPL-SN-575475</p> <p>US-PATENT-CLASS-128-283 US-PATENT-3,421,506 NASA-CASE-XMS-04917 US-PATENT-APPL-SN-574283</p> <p>US-PATENT-CLASS-73-198 US-PATENT-3,425,276 NASA-CASE-XMS-03700</p>	<p>N69-24267* # c 03</p> <p>N69-24317* # c 09</p> <p>N69-24318* # c 09</p> <p>N69-24319* # c 15</p> <p>N69-24320* # c 15</p> <p>N69-24321* # c 11</p> <p>N69-24322* # c 15</p> <p>N69-24323* # c 07</p> <p>N69-24324* # c 09</p> <p>N69-24329* # c 09</p> <p>N69-24330* # c 09</p> <p>N69-24331* # c 14</p> <p>N69-24332* # c 23</p> <p>N69-24333* # c 09</p> <p>N69-24334* # c 07</p> <p>N69-25146* # c 03</p> <p>N69-25147* # c 17</p> <p>N69-27422* # c 09</p> <p>N69-27423* # c 14</p> <p>N69-27431* # c 14</p>	<p>US-PATENT-APPL-SN-617783 US-PATENT-CLASS-314-129 US-PATENT-3,428,847 NASA-CASE-XGS-04531</p> <p>US-PATENT-APPL-SN-590141 US-PATENT-CLASS-136-89 US-PATENT-3,437,527 NASA-CASE-XGS-04999</p> <p>US-PATENT-APPL-SN-519395 US-PATENT-CLASS-307-268 US-PATENT-3,426,219 NASA-CASE-XGS-05003</p> <p>US-PATENT-APPL-SN-576797 US-PATENT-CLASS-317-235 US-PATENT-3,430,115 NASA-CASE-XNP-09227</p> <p>US-PATENT-APPL-SN-632164 US-PATENT-CLASS-313-44 US-PATENT-3,426,230 NASA-CASE-XGS-03864</p> <p>US-PATENT-APPL-SN-577114 US-PATENT-CLASS-136-133 US-PATENT-3,427,205 NASA-CASE-XLA-03271</p> <p>US-PATENT-APPL-SN-482313 US-PATENT-CLASS-350-310 US-PATENT-3,427,097 NASA-CASE-XMS-01108</p> <p>US-PATENT-APPL-SN-432032 US-PATENT-CLASS-156-242 US-PATENT-3,425,885 NASA-CASE-XGS-02816</p> <p>US-PATENT-APPL-SN-521998 US-PATENT-CLASS-333-73 US-PATENT-3,437,959 NASA-CASE-XGS-02171</p> <p>US-PATENT-APPL-SN-590159 US-PATENT-CLASS-325-446 US-PATENT-3,437,935 NASA-CASE-XNP-04183</p> <p>US-PATENT-APPL-SN-546142 US-PATENT-CLASS-179-100 2 US-PATENT-3,428,761 NASA-CASE-XMS-05307</p> <p>US-PATENT-APPL-SN-516154 US-PATENT-CLASS-330-29 US-PATENT-3,428,910 NASA-CASE-XNP-03930</p> <p>US-PATENT-APPL-SN-526665 US-PATENT-CLASS-250-237 US-PATENT-3,435,246 NASA-CASE-XNP-02340</p> <p>US-PATENT-APPL-SN-439490 US-PATENT-CLASS-350-1 US-PATENT-3,427,089 NASA-CASE-XNP-09225</p> <p>US-PATENT-APPL-SN-640785 US-PATENT-CLASS-340-172 5 US-PATENT-3,431,559 NASA-CASE-XGS-01110</p> <p>US-PATENT-APPL-SN-526664 US-PATENT-CLASS-333-8 US-PATENT-3,428,919 NASA-CASE-XGS-04808</p> <p>US-PATENT-APPL-SN-640781 US-PATENT-CLASS-321-2 US-PATENT-3,437,903 NASA-CASE-XLE-10466</p> <p>US-PATENT-APPL-SN-644448 US-PATENT-CLASS-219-411 US-PATENT-3,427,435 NASA-CASE-XLA-04980</p> <p>US-PATENT-APPL-SN-577548 US-PATENT-CLASS-317-234 US-PATENT-3,432,730 NASA-CASE-XAC-02407</p> <p>US-PATENT-APPL-SN-469013 US-PATENT-CLASS-324-43 US-PATENT-3,437,919 NASA-CASE-XMF-01483</p> <p>US-PATENT-APPL-SN-635325 US-PATENT-CLASS-339-17 US-PATENT-3,430,182</p>
---	--	--	---	---

ACCESSION

N69-27432* #	c 14	NASA-CASE-XGS-08266 US-PATENT-APPL-SN-628248 US-PATENT-CLASS-250-203 US-PATENT-CLASS-3,433,961	N69-39735* #	c 15	US-PATENT-CLASS-339-95 US-PATENT-3,458,851 NASA-CASE-XGS-00963 US-PATENT-APPL-SN-494282 US-PATENT-CLASS-161-182 US-PATENT-3,453,172	N69-39983* #	c 03	US-PATENT-CLASS-250-49 5 US-PATENT-3,446,960 NASA-CASE-XLE-02083 US-PATENT-APPL-SN-568362 US-PATENT-CLASS-310-11 US-PATENT-3,453,462
N69-27459* #	c 14	NASA-CASE-XMS-05909-1 US-PATENT-APPL-SN-685764 US-PATENT-CLASS-136-213 US-PATENT-3,431,149	N69-39736* #	c 07	NASA-CASE-XNP-04180 US-PATENT-APPL-SN-545228 US-PATENT-CLASS-250-203 US-PATENT-3,448,273	N69-39984* #	c 09	NASA-CASE-XLA-08507 US-PATENT-APPL-SN-632154 US-PATENT-CLASS-321-11 US-PATENT-3,434,033
N69-27460* #	c 07	NASA-CASE-XGS-05582 US-PATENT-APPL-SN-646424 US-PATENT-CLASS-343-854 US-PATENT-3,438,044	N69-39785* #	c 14	NASA-CASE-XKS-03495 US-PATENT-APPL-SN-559395 US-PATENT-CLASS-324-61 US-PATENT-3,426,272	N69-39986* #	c 09	NASA-CASE-XMS-05562-1 US-PATENT-APPL-SN-529609 US-PATENT-CLASS-330-2 US-PATENT-3,434,064
N69-27461* #	c 14	NASA-CASE-XLA-03724 US-PATENT-APPL-SN-568071 US-PATENT-CLASS-350-6 US-PATENT-3,437,394	N69-39786* #	c 15	NASA-CASE-XGS-04554 US-PATENT-APPL-SN-584072 US-PATENT-CLASS-29-472 9 US-PATENT-3,447,233	N69-39987* #	c 09	NASA-CASE-XMS-04215-1 US-PATENT-APPL-SN-651072 US-PATENT-CLASS-307-265 US-PATENT-3,446,992
N69-27462* #	c 07	NASA-CASE-XMS-05303 US-PATENT-APPL-SN-617022 US-PATENT-CLASS-333-97 US-PATENT-3,428,923	N69-39884* #	c 25	NASA-CASE-XLE-00690 US-PATENT-APPL-SN-489442 US-PATENT-CLASS-324-33 US-PATENT-3,447,071	N69-39988* #	c 12	NASA-CASE-XLE-02624 US-PATENT-APPL-SN-635327 US-PATENT-CLASS-35-49 US-PATENT-3,429,058
N69-27463* #	c 09	NASA-CASE-XGS-03095 US-PATENT-APPL-SN-552344 US-PATENT-CLASS-307-222 US-PATENT-3,437,832	N69-39885* #	c 09	NASA-CASE-XMS-04061-1 US-PATENT-APPL-SN-511564 US-PATENT-CLASS-328-116 US-PATENT-3,456,201	N70-10867* #	c 15	NASA-CASE-ERC-10208 US-PATENT-APPL-SN-847596 NASA-CASE-ERC-10072
N69-27466* #	c 11	NASA-CASE-XNP-04969 US-PATENT-APPL-SN-593604 US-PATENT-CLASS-248-317 US-PATENT-3,430,909	N69-39888* #	c 10	NASA-CASE-XNP-02713 US-PATENT-APPL-SN-528031 US-PATENT-CLASS-307-252 US-PATENT-3,458,726	N70-11148* #	c 09	NASA-CASE-ERC-10072 US-PATENT-APPL-SN-845972 NASA-CASE-NPO-10863
N69-27483* #	c 15	NASA-CASE-XLA-03105 US-PATENT-APPL-SN-529594 US-PATENT-CLASS-263-48 US-PATENT-3,430,937	N69-39889* #	c 06	NASA-CASE-XLE-07087 US-PATENT-APPL-SN-619521 US-PATENT-CLASS-313-231 US-PATENT-3,447,015	N70-11251* #	c 06	NASA-CASE-NPO-10863 US-PATENT-APPL-SN-848325 NASA-CASE-NPO-10447
N69-27484* #	c 14	NASA-CASE-XLA-04556 US-PATENT-APPL-SN-607608 US-PATENT-CLASS-250-83 US-PATENT-3,433,953	N69-39890* #	c 03	NASA-CASE-XLE-02824 US-PATENT-APPL-SN-487343 US-PATENT-CLASS-310-10 US-PATENT-3,443,128	N70-11252* #	c 06	US-PATENT-APPL-SN-848351 NASA-CASE-MSC-12259-1 US-PATENT-APPL-SN-853763
N69-27485* #	c 14	NASA-CASE-XGS-02401 US-PATENT-APPL-SN-502740 US-PATENT-CLASS-250-203 US-PATENT-3,428,812	N69-39895* #	c 18	NASA-CASE-XNP-06508 US-PATENT-APPL-SN-617776 US-PATENT-CLASS-117-21 US-PATENT-3,446,642	N70-12616* #	c 07	US-PATENT-APPL-SN-853763 NASA-CASE-MFS-14741 US-PATENT-APPL-SN-880247
N69-27486* #	c 14	NASA-CASE-XAC-11225 US-PATENT-APPL-SN-638707 US-PATENT-CLASS-248-18 US-PATENT-3,430,902	N69-39896* #	c 14	NASA-CASE-XAC-02970 US-PATENT-APPL-SN-447930 US-PATENT-CLASS-250-217 US-PATENT-3,452,872	N70-20737* #	c 09	US-PATENT-APPL-SN-21732 NASA-CASE-MFS-14741 US-PATENT-APPL-SN-880247
N69-27487* #	c 04	NASA-CASE-XGS-05533 US-PATENT-APPL-SN-568346 US-PATENT-CLASS-195-68 US-PATENT-3,437,560	N69-39897* #	c 09	NASA-CASE-XAC-08981 US-PATENT-APPL-SN-634060 US-PATENT-CLASS-317-16 US-PATENT-3,450,946	N70-22192* #	c 15	NASA-CASE-XMS-04890-1 US-PATENT-APPL-SN-797057 US-PATENT-CLASS-60-258 US-PATENT-3,490,238
N69-27490* #	c 15	NASA-CASE-XLA-02854 US-PATENT-APPL-SN-598118 US-PATENT-CLASS-285-3 US-PATENT-3,427,047	N69-39898* #	c 03	NASA-CASE-XLE-01015 US-PATENT-APPL-SN-502740 US-PATENT-CLASS-310-4 US-PATENT-3,446,997	N70-26819* #	c 15	NASA-CASE-LAR-10590-1 US-PATENT-APPL-SN-21732 NASA-CASE-XMF-00447
N69-27491* #	c 16	NASA-CASE-XGS-04480 US-PATENT-APPL-SN-591007 US-PATENT-CLASS-250-199 US-PATENT-3,433,960	N69-39899* #	c 09	NASA-CASE-XNP-09776 US-PATENT-APPL-SN-617779 US-PATENT-CLASS-310-4 US-PATENT-3,446,998	N70-33179* #	c 14	US-PATENT-APPL-SN-134479 US-PATENT-CLASS-340-198 US-PATENT-3,041,587
N69-27499* #	c 31	NASA-CASE-XMS-12158-1 US-PATENT-APPL-SN-762936 US-PATENT-CLASS-244-1 US-PATENT-3,439,886	N69-39935* #	c 15	NASA-CASE-XNP-08882 US-PATENT-APPL-SN-640784 US-PATENT-CLASS-220-14 US-PATENT-3,446,387	N70-33180* #	c 15	US-PATENT-CLASS-340-198 US-PATENT-3,041,587 NASA-CASE-XLA-00137
N69-27500* #	c 09	NASA-CASE-XNP-09228 US-PATENT-APPL-SN-584070 US-PATENT-CLASS-307-136 US-PATENT-3,430,063	N69-39936* #	c 06	NASA-CASE-XNP-04816 US-PATENT-APPL-SN-578926 US-PATENT-CLASS-73-23 1 US-PATENT-3,443,416	N70-33181* #	c 21	US-PATENT-APPL-SN-8203 US-PATENT-CLASS-93-1 US-PATENT-3,010,372
N69-27502* #	c 15	NASA-CASE-XMF-04132 US-PATENT-APPL-SN-640788 US-PATENT-CLASS-220-55 US-PATENT-3,429,477	N69-39937* #	c 14	NASA-CASE-XNP-09776 US-PATENT-APPL-SN-617779 US-PATENT-CLASS-310-4 US-PATENT-3,446,997	N70-33182* #	c 09	NASA-CASE-XLA-00120 US-PATENT-APPL-SN-853984 US-PATENT-CLASS-250-83 3 US-PATENT-3,038,077
N69-27503* #	c 14	NASA-CASE-XFR-09479 US-PATENT-APPL-SN-653278 US-PATENT-CLASS-73-49 8 US-PATENT-3,433,079	N69-39929* #	c 09	NASA-CASE-XNP-09776 US-PATENT-APPL-SN-617779 US-PATENT-CLASS-310-4 US-PATENT-3,446,997	N70-33182* #	c 09	NASA-CASE-XAC-00086 US-PATENT-APPL-SN-824755 US-PATENT-CLASS-340-147 US-PATENT-3,059,220
N69-27504* #	c 15	NASA-CASE-XNP-09452 US-PATENT-APPL-SN-640789 US-PATENT-CLASS-267-1 US-PATENT-3,430,942	N69-39938* #	c 15	NASA-CASE-XNP-08882 US-PATENT-APPL-SN-640784 US-PATENT-CLASS-220-14 US-PATENT-3,446,387	N70-33226* #	c 15	NASA-CASE-XLE-00020 US-PATENT-APPL-SN-387332 US-PATENT-CLASS-253-39 15 US-PATENT-3,011,760
N69-27505* #	c 15	NASA-CASE-XLA-09122 US-PATENT-APPL-SN-619903 US-PATENT-CLASS-64-28 US-PATENT-3,430,460	N69-39939* #	c 06	NASA-CASE-XNP-04816 US-PATENT-APPL-SN-578926 US-PATENT-CLASS-73-23 1 US-PATENT-3,443,416	N70-33241* #	c 28	NASA-CASE-XLE-00103 US-PATENT-APPL-SN-517100 US-PATENT-CLASS-60-39 74 US-PATENT-2,940,259
N69-27871* #	c 15	NASA-CASE-XMS-04318 US-PATENT-APPL-SN-521996 US-PATENT-CLASS-219-347 US-PATENT-3,431,397	N69-39974* #	c 07	NASA-CASE-XGS-05918 US-PATENT-APPL-SN-685497 US-PATENT-CLASS-343-7 5 US-PATENT-3,430,237	N70-33242* #	c 31	NASA-CASE-XLA-00165 US-PATENT-APPL-SN-47120 US-PATENT-CLASS-244-117 US-PATENT-3,028,128
N69-31244* #	c 06	NASA-CASE-NPO-10714 US-PATENT-APPL-SN-817569 NASA-CASE-ERC-10187 US-PATENT-APPL-SN-825253	N69-39975* #	c 14	NASA-CASE-XLA-01781 US-PATENT-APPL-SN-441936 US-PATENT-CLASS-73-86 US-PATENT-3,425,268	N70-33254* #	c 14	US-PATENT-APPL-SN-853983 US-PATENT-CLASS-88-16 US-PATENT-3,041,924
N69-33482* #	c 26	NASA-CASE-ERC-10120 US-PATENT-APPL-SN-827597 NASA-CASE-XMF-03873 US-PATENT-APPL-SN-543774	N69-39976* #	c 07	NASA-CASE-XGS-02749 US-PATENT-APPL-SN-502753 US-PATENT-CLASS-179-15 US-PATENT-3,450,842	N70-33255* #	c 02	US-PATENT-CLASS-307-136 US-PATENT-3,430,063 NASA-CASE-XLA-00230 US-PATENT-APPL-SN-41455
N69-39733* #	c 06	US-PATENT-CLASS-73-24 US-PATENT-3,429,177 NASA-CASE-XMF-04238 US-PATENT-APPL-SN-562443	N69-39977* #	c 07	NASA-CASE-XGS-02749 US-PATENT-APPL-SN-502753 US-PATENT-CLASS-179-15 US-PATENT-3,450,842	N70-33264* #	c 15	US-PATENT-CLASS-244-43 US-PATENT-3,053,484 NASA-CASE-XLE-00092 US-PATENT-APPL-SN-835146
N69-39734* #	c 09	US-PATENT-CLASS-73-24 US-PATENT-3,429,177 NASA-CASE-XMF-04238 US-PATENT-APPL-SN-562443	N69-39978* #	c 07	NASA-CASE-XGS-02749 US-PATENT-APPL-SN-502753 US-PATENT-CLASS-179-15 US-PATENT-3,450,842	N70-33265* #	c 28	US-PATENT-CLASS-253-39 15 US-PATENT-3,057,597 NASA-CASE-XLE-00817 US-PATENT-APPL-SN-264735
			N69-39979* #	c 18	NASA-CASE-XGS-04119 US-PATENT-APPL-SN-452945 US-PATENT-CLASS-106-74 US-PATENT-3,454,410	N70-33266* #	c 02	US-PATENT-CLASS-60-35 3 US-PATENT-3,173,246 NASA-CASE-XLA-00221 US-PATENT-APPL-SN-51473
			N69-39980* #	c 07	NASA-CASE-XGS-05211 US-PATENT-APPL-SN-590145 US-PATENT-CLASS-250-209 US-PATENT-3,444,380	N70-33276* #	c 11	US-PATENT-CLASS-244-46 US-PATENT-3,064,928 NASA-CASE-XLA-00675 US-PATENT-APPL-SN-178213
			N69-39981* #	c 01	NASA-CASE-XLA-06095 US-PATENT-APPL-SN-683612 US-PATENT-CLASS-244-138 US-PATENT-3,443,779			US-PATENT-CLASS-315-111 US-PATENT-3,171,060 NASA-CASE-XLE-00168 US-PATENT-APPL-SN-842170
			N69-39982* #	c 14	NASA-CASE-XGS-01725 US-PATENT-APPL-SN-483891			US-PATENT-CLASS-73-116 US-PATENT-3,063,291

ACCESSION NUMBER INDEX

N70-34820

N70-33279*	c 21	NASA-CASE-XFR-00181 US-PATENT-APPL-SN-28175 US-PATENT-CLASS-244-83 US-PATENT-3,028,126	N70-33386*	c 14	NASA-CASE-XLA-00113 US-PATENT-APPL-SN-2792 US-PATENT-CLASS-73-147 US-PATENT-3,001,395	N70-34559* #	c 09	NASA-CASE-LAR-10218-1 US-PATENT-APPL-SN-47441
N70-33283*	c 17	NASA-CASE-XLE-00151 US-PATENT-APPL-SN-848481 US-PATENT-CLASS-75-171 US-PATENT-2,971,837	N70-34134* #	c 03	NASA-CASE-XLE-00212 US-PATENT-APPL-SN-151598 US-PATENT-CLASS-310-4 US-PATENT-3,202,844	N70-34596* #	c 09	NASA-CASE-XMF-00324 US-PATENT-APPL-SN-109789 US-PATENT-CLASS-339-176 US-PATENT-3,189,864
N70-33284*	c 28	NASA-CASE-XLE-00078 US-PATENT-APPL-SN-18776 US-PATENT-CLASS-60-35 6 US-PATENT-3,049,876	N70-34135* #	c 31	NASA-CASE-XLA-00686 US-PATENT-APPL-SN-195347 US-PATENT-CLASS-343-833 US-PATENT-3,202,998	N70-34646* #	c 03	NASA-CASE-NPO-11138 US-PATENT-APPL-SN-9251 NASA-CASE-XLA-00147 US-PATENT-APPL-SN-178215 US-PATENT-CLASS-313-156 US-PATENT-3,201,635
N70-33285*	c 05	NASA-CASE-XLA-00118 US-PATENT-APPL-SN-840983 US-PATENT-CLASS-5-345 US-PATENT-3,038,175	N70-34156* #	c 14	NASA-CASE-XLE-00266 US-PATENT-APPL-SN-202024 US-PATENT-CLASS-73-15 US-PATENT-3,204,447	N70-34664* #	c 15	NASA-CASE-XMF-00515 US-PATENT-APPL-SN-278790 US-PATENT-CLASS-308-9 US-PATENT-3,199,931
N70-33286*	c 02	NASA-CASE-XLA-00142 US-PATENT-APPL-SN-26375 US-PATENT-CLASS-244-46 US-PATENT-3,028,122	N70-34157* #	c 03	NASA-CASE-XMF-00517 US-PATENT-APPL-SN-21671 1 US-PATENT-CLASS-244-1 US-PATENT-3,204,889	N70-34667* #	c 03	US-PATENT-APPL-SN-318443 US-PATENT-CLASS-89-1 US-PATENT-3,200,706
N70-33287*	c 11	NASA-CASE-XLA-00112 US-PATENT-APPL-SN-843022 US-PATENT-CLASS-73-147 US-PATENT-3,005,339	N70-34158* #	c 14	NASA-CASE-XGS-00359 US-PATENT-APPL-SN-94952 US-PATENT-CLASS-250-203 US-PATENT-3,205,361	N70-34675* #	c 08	NASA-CASE-XNP-04162-1 US-PATENT-APPL-SN-872664 NASA-CASE-NPO-11106 US-PATENT-APPL-SN-15020 NASA-CASE-NPO-10682 US-PATENT-APPL-SN-15023 NASA-CASE-XMF-00456 US-PATENT-APPL-SN-298800 US-PATENT-CLASS-73-88 5 US-PATENT-3,212,325
N70-33288*	c 17	NASA-CASE-XLE-02428 US-PATENT-APPL-SN-339821 US-PATENT-CLASS-29-198 US-PATENT-3,170,773	N70-34159* #	c 31	NASA-CASE-XMF-03856 US-PATENT-APPL-SN-416941 US-PATENT-CLASS-248-188 9 US-PATENT-3,208,707	N70-34697* #	c 14	US-PATENT-APPL-SN-15020 NASA-CASE-NPO-10682 US-PATENT-APPL-SN-15023 NASA-CASE-XMF-00456 US-PATENT-APPL-SN-298800 US-PATENT-CLASS-73-88 5 US-PATENT-3,212,325
N70-33305*	c 12	NASA-CASE-XLA-00229 US-PATENT-APPL-SN-18780 US-PATENT-CLASS-114-66 5 US-PATENT-3,016,863	N70-34160* #	c 02	NASA-CASE-XLA-01804 US-PATENT-APPL-SN-353637 US-PATENT-CLASS-244-50 US-PATENT-3,208,694	N70-34743* #	c 08	NASA-CASE-XGS-00174 US-PATENT-APPL-SN-120803 US-PATENT-CLASS-307-88 US-PATENT-3,198,955
N70-33311*	c 15	NASA-CASE-XLE-00046 US-PATENT-APPL-SN-866796 US-PATENT-CLASS-29-488 US-PATENT-3,008,229	N70-34161* #	c 14	NASA-CASE-XLA-00203 US-PATENT-APPL-SN-227682 US-PATENT-CLASS-73-105 US-PATENT-3,208,272	N70-34778* #	c 08	NASA-CASE-XLA-00471 US-PATENT-APPL-SN-197553 US-PATENT-CLASS-235-154 US-PATENT-3,194,951
N70-33312*	c 09	NASA-CASE-XLA-00141 US-PATENT-APPL-SN-19971 US-PATENT-CLASS-219-34 US-PATENT-3,005,081	N70-34162* #	c 28	NASA-CASE-XMF-01544 US-PATENT-APPL-SN-394638 US-PATENT-CLASS-60-35 55 US-PATENT-3,208,215	N70-34783* #	c 27	NASA-CASE-XLA-00304 US-PATENT-APPL-SN-54552 US-PATENT-CLASS-18-39 US-PATENT-3,193,883
N70-33322*	c 14	NASA-CASE-XLA-00135 US-PATENT-APPL-SN-861152 US-PATENT-CLASS-244-14 US-PATENT-3,004,735	N70-34175* #	c 28	NASA-CASE-XLE-01783 US-PATENT-APPL-SN-313132 US-PATENT-CLASS-60-35 5 US-PATENT-3,210,927	N70-34786* #	c 11	NASA-CASE-XLA-00493 US-PATENT-APPL-SN-202029 US-PATENT-CLASS-73-432 US-PATENT-3,196,690
N70-33323*	c 15	NASA-CASE-XMF-00341 US-PATENT-APPL-SN-77256 US-PATENT-CLASS-62-45 US-PATENT-3,012,407	N70-34176* #	c 31	NASA-CASE-XMF-00389 US-PATENT-APPL-SN-151114 US-PATENT-CLASS-244-1 US-PATENT-3,202,381	N70-34787* #	c 08	NASA-CASE-XGS-00689 US-PATENT-APPL-SN-250451 US-PATENT-CLASS-235-176 US-PATENT-3,196,261
N70-33329*	c 11	NASA-CASE-XLA-00119 US-PATENT-APPL-SN-842171 US-PATENT-CLASS-240-1 2 US-PATENT-2,984,735	N70-34178* #	c 02	NASA-CASE-XLA-00166 US-PATENT-APPL-SN-84961 US-PATENT-CLASS-244-46 US-PATENT-3,087,892	N70-34788* #	c 28	NASA-CASE-XLE-00388 US-PATENT-APPL-SN-234568 US-PATENT-CLASS-55-306 US-PATENT-3,196,598
N70-33330*	c 15	NASA-CASE-XLE-00023 US-PATENT-APPL-SN-512352 US-PATENT-CLASS-78-1 US-PATENT-2,991,671	N70-34247* #	c 15	NASA-CASE-XLE-00288 US-PATENT-APPL-SN-118200 US-PATENT-CLASS-62-50 US-PATENT-3,068,658	N70-34794* #	c 14	NASA-CASE-XMF-00479 US-PATENT-APPL-SN-169977 US-PATENT-CLASS-73-71 2 US-PATENT-3,194,060
N70-33331*	c 28	NASA-CASE-XLA-00105 US-PATENT-APPL-SN-719173 US-PATENT-CLASS-60-35 6 US-PATENT-3,001,363	N70-34249* #	c 15	NASA-CASE-XMF-00375 US-PATENT-APPL-SN-166969 US-PATENT-CLASS-72-56 US-PATENT-3,188,844	N70-34799* #	c 14	NASA-CASE-XLA-00492 US-PATENT-APPL-SN-284265 US-PATENT-CLASS-73-88 5 US-PATENT-3,199,340
N70-33332*	c 02	NASA-CASE-XLA-00087 US-PATENT-APPL-SN-811509 US-PATENT-CLASS-244-12 US-PATENT-2,991,961	N70-34294* #	c 28	NASA-CASE-XLE-00208 US-PATENT-APPL-SN-106135 US-PATENT-CLASS-60-35 54 US-PATENT-3,132,476	N70-34812* #	c 33	NASA-CASE-XLE-00387 US-PATENT-APPL-SN-203411 US-PATENT-CLASS-219-19 US-PATENT-3,108,171
N70-33343*	c 03	NASA-CASE-XLA-00115 US-PATENT-APPL-SN-847027 US-PATENT-CLASS-244-1 US-PATENT-3,001,739	N70-34295* #	c 21	NASA-CASE-XLA-01989 US-PATENT-APPL-SN-305020 US-PATENT-CLASS-244-1 US-PATENT-3,189,299	N70-34813* #	c 14	NASA-CASE-XAC-00073 US-PATENT-APPL-SN-47122 US-PATENT-CLASS-73-147 US-PATENT-3,100,990
N70-33344*	c 33	NASA-CASE-XMS-00486 US-PATENT-APPL-SN-300113 US-PATENT-CLASS-244-1 US-PATENT-3,130,940	N70-34296* #	c 31	NASA-CASE-XLA-00678 US-PATENT-APPL-SN-197551 US-PATENT-CLASS-244-1 US-PATENT-3,169,725	N70-34814* #	c 15	NASA-CASE-XMF-00392 US-PATENT-APPL-SN-151112 US-PATENT-CLASS-219-137 US-PATENT-3,102,948
N70-33356*	c 28	NASA-CASE-XLE-00267 US-PATENT-APPL-SN-58147 US-PATENT-CLASS-60-35 5 US-PATENT-3,016,693	N70-34297* #	c 21	NASA-CASE-XGS-00466 US-PATENT-APPL-SN-123597 US-PATENT-CLASS-250-83 3 US-PATENT-3,188,472	N70-34815* #	c 11	NASA-CASE-XAC-00399 US-PATENT-APPL-SN-134481 US-PATENT-CLASS-35-12 US-PATENT-3,196,557
N70-33372*	c 28	NASA-CASE-XLE-00037 US-PATENT-APPL-SN-639589 US-PATENT-CLASS-253-39 15 US-PATENT-2,974,925	N70-34298* #	c 14	NASA-CASE-XMF-00462 US-PATENT-APPL-SN-148001 US-PATENT-CLASS-88-14 US-PATENT-3,185,023	N70-34816* #	c 14	NASA-CASE-XAC-00042 US-PATENT-APPL-SN-734805 US-PATENT-CLASS-73-398 US-PATENT-3,022,672
N70-33374*	c 28	NASA-CASE-XLA-00154 US-PATENT-APPL-SN-31242 US-PATENT-CLASS-60-35 6 US-PATENT-3,012,400	N70-34502* #	c 09	NASA-CASE-XMF-00421 US-PATENT-APPL-SN-197548 US-PATENT-CLASS-317-140 US-PATENT-3,189,794	N70-34817* #	c 15	NASA-CASE-XAC-00074 US-PATENT-APPL-SN-47123 US-PATENT-CLASS-137-340 US-PATENT-3,158,172
N70-33375*	c 28	NASA-CASE-XLE-00207 US-PATENT-APPL-SN-180370 US-PATENT-CLASS-60-35 6 US-PATENT-3,173,251	N70-34539* #	c 21	NASA-CASE-XMF-00185 US-PATENT-APPL-SN-97112 US-PATENT-CLASS-244-76 US-PATENT-3,070,330	N70-34818* #	c 14	NASA-CASE-XLE-00503 US-PATENT-APPL-SN-261912 US-PATENT-CLASS-73-136 US-PATENT-3,196,675
N70-33376*	c 15	NASA-CASE-XLE-00101 US-PATENT-APPL-SN-551961 US-PATENT-CLASS-251-173 US-PATENT-2,945,667	N70-34540* #	c 33	NASA-CASE-XLA-00330 US-PATENT-APPL-SN-264729 US-PATENT-CLASS-219-121 US-PATENT-3,201,560	N70-34819* #	c 09	NASA-CASE-XGS-00381 US-PATENT-APPL-SN-104188 US-PATENT-CLASS-307-88 5 US-PATENT-3,085,165
N70-33382*	c 15	NASA-CASE-XLE-00010 US-PATENT-APPL-SN-554899 US-PATENT-CLASS-266-19 US-PATENT-2,934,331	N70-34545* #	c 33	NASA-CASE-XLE-00490 US-PATENT-APPL-SN-252259 US-PATENT-CLASS-219-347 US-PATENT-3,189,726	N70-34820* #	c 14	NASA-CASE-XAC-00030 US-PATENT-APPL-SN-760819

		US-PATENT-CLASS-73-401			US-PATENT-APPL-SN-178721			US-PATENT-3,150,387
		US-PATENT-3,024,659			US-PATENT-CLASS-310-5			NASA-CASE-XMF-00923
N70-34844* #	c 11	NASA-CASE-XLE-00252			US-PATENT-3,205,381	N70-36802* #	c 28	US-PATENT-APPL-SN-264736
		US-PATENT-APPL-SN-144803	N70-35409* #	c 15	NASA-CASE-XHO-01208			US-PATENT-CLASS-60-35 5
		US-PATENT-CLASS-73-116			US-PATENT-APPL-SN-42022			US-PATENT-3,159,967
N70-34850* #	c 15	US-PATENT-3,199,343			US-PATENT-CLASS-121-38	N70-36803* #	c 03	NASA-CASE-XNP-00644
		NASA-CASE-XLA-00754			US-PATENT-3,088 441			US-PATENT-APPL-SN-212496
		US-PATENT-APPL-SN-209479	N70-35422* #	c 28	NASA-CASE-LEW-10814-1			US-PATENT-CLASS-310-11
		US-PATENT-CLASS-244-100			US-PATENT-APPL-SN-38262			US-PATENT-3,158,764
		US-PATENT-3,143,321	N70-35423* #	c 08	NASA-CASE-XNP-00432	N70-36804* #	c 02	NASA-CASE-XLA-00098
N70-34856* #	c 02	NASA-CASE-XAC-00139			US-PATENT-APPL-SN-127234			US-PATENT-APPL-SN-227683
		US-PATENT-APPL-SN-168560			US-PATENT-CLASS-340-347			US-PATENT-CLASS-244-152
		US-PATENT-CLASS-244-51			US-PATENT-3,172,097			US-PATENT-3,170,660
		US-PATENT-3,144,999	N70-35425* #	c 09	NASA-CASE-XNP-00683	N70-36805* #	c 26	NASA-CASE-XLA-00158
N70-34857* #	c 05	NASA-CASE-XMS-00863			US-PATENT-APPL-SN-251451			US-PATENT-APPL-SN-221637
		US-PATENT-APPL-SN-221634			US-PATENT-CLASS-343-781			US-PATENT-CLASS-23-208
		US-PATENT-CLASS-9-11			US-PATENT-3,209,361			US-PATENT-3,174,827
N70-34858* #	c 02	US-PATENT-3,155,992	N70-35427* #	c 21	NASA-CASE-XGS-00809	N70-36806* #	c 28	NASA-CASE-XLE-00145
		NASA-CASE-XLA-00806			US-PATENT-APPL-SN-85585			US-PATENT-APPL-SN-173081
		US-PATENT-APPL-SN-181828			US-PATENT-CLASS-88-1			US-PATENT-CLASS-60-35 6
		US-PATENT-APPL-SN-26375			US-PATENT-3,083,611			US-PATENT-3,174,279
		US-PATENT-CLASS-244-46	N70-35440* #	c 09	NASA-CASE-XAC-00435	N70-36807* #	c 14	NASA-CASE-XLA-00100
N70-34859* #	c 15	US-PATENT-3,170,657			US-PATENT-APPL-SN-164428			US-PATENT-APPL-SN-534901
		NASA-CASE-XLE-00715			US-PATENT-CLASS-330-14			US-PATENT-CLASS-73-178
		US-PATENT-APPL-SN-212174			US-PATENT-3,196,362			US-PATENT-3,168,827
		US-PATENT-CLASS-251-333	N70-35534* #	c 27	NASA-CASE-XGS-03556	N70-36824* #	c 14	NASA-CASE-XLA-00481
		US-PATENT-3,191,907			US-PATENT-APPL-SN-94259			US-PATENT-APPL-SN-120797
N70-34860* #	c 28	NASA-CASE-XLE-00144			US-PATENT-CLASS-60-35 6			US-PATENT-CLASS-73-212
		US-PATENT-APPL-SN-177684			US-PATENT-3,191,379			US-PATENT-3,170,324
		US-PATENT-CLASS-60-35 6	N70-35587* #	c 14	NASA-CASE-FRC-10053	N70-36825* #	c 02	NASA-CASE-XLA-01583
		US-PATENT-3,120,101			US-PATENT-APPL-SN-33398			US-PATENT-APPL-SN-327565
N70-34861* #	c 15	NASA-CASE-XLE-00810	N70-35666* #	c 14	NASA-CASE-XNP-00646			US-PATENT-CLASS-244-103
		US-PATENT-APPL-SN-249540			US-PATENT-APPL-SN-173981			US-PATENT-3,169,001
		US-PATENT-CLASS-188-1			US-PATENT-CLASS-324-33	N70-36845* #	c 31	NASA-CASE-XMF-02108
		US-PATENT-3,164,222			US-PATENT-3,171,081			US-PATENT-APPL-SN-372727
N70-34946* #	c 06	NASA-CASE-XNP-00733	N70-35679* #	c 15	NASA-CASE-MSC-12279-1			US-PATENT-CLASS-244-100
		US-PATENT-APPL-SN-256484			US-PATENT-APPL-SN-24154			US-PATENT-3,181,821
		US-PATENT-CLASS-62-15	N70-36400* #	c 18	NASA-CASE-XMS-00259	N70-36846* #	c 33	NASA-CASE-XLA-00189
		US-PATENT-3,192,730			US-PATENT-APPL-SN-145007			US-PATENT-APPL-SN-223003
N70-34966* #	c 31	NASA-CASE-XFR-00929			US-PATENT-CLASS-117-69			US-PATENT-CLASS-102-49
		US-PATENT-APPL-SN-290868			US-PATENT-3,157,529			US-PATENT-3,180,264
		US-PATENT-CLASS-35-12	N70-36409* #	c 15	NASA-CASE-XLA-00482	N70-36847* #	c 33	NASA-CASE-XNP-00463
		US-PATENT-3,191,316			US-PATENT-APPL-SN-166970			US-PATENT-APPL-SN-259487
N70-34967* #	c 15	NASA-CASE-XNP-00595			US-PATENT-CLASS-29-423			US-PATENT-CLASS-165-96
		US-PATENT-APPL-SN-188594			US-PATENT-3,160,950			US-PATENT-3,177,933
		US-PATENT-CLASS-204-298	N70-36410* #	c 31	NASA-CASE-XMF-00641	N70-36901* #	c 15	NASA-CASE-XFR-00811
		US-PATENT-3,189,535			US-PATENT-APPL-SN-221945			US-PATENT-APPL-SN-257346
N70-35087* #	c 15	NASA-CASE-XGS-00587			US-PATENT-CLASS-244-1			US-PATENT-CLASS-29-234
		US-PATENT-APPL-SN-313135			US-PATENT-3,158,336			US-PATENT-3,166,834
		US-PATENT-CLASS-137-340	N70-36411* #	c 15	NASA-CASE-XLE-00164	N70-36907* #	c 14	NASA-CASE-XNP-00614
		US-PATENT-3,211,169			US-PATENT-APPL-SN-107870			US-PATENT-APPL-SN-247419
N70-35089* #	c 21	NASA-CASE-XNP-00438			US-PATENT-CLASS-60-39 66			US-PATENT-CLASS-33-1
		US-PATENT-APPL-SN-180381			US-PATENT-3,162,012			US-PATENT-3,163,935
		US-PATENT-CLASS-250-203	N70-36412* #	c 15	NASA-CASE-XLE-00170	N70-36908* #	c 15	NASA-CASE-XNP-00214
		US-PATENT-3,205,362			US-PATENT-APPL-SN-232914			US-PATENT-APPL-SN-180377
N70-35152* #	c 05	NASA-CASE-XMS-01240			US-PATENT-CLASS-253-66			US-PATENT-CLASS-137-625 69
		US-PATENT-APPL-SN-331324			US-PATENT-3,140,329			US-PATENT-3,140,728
		US-PATENT-CLASS-297-216	N70-36492* #	c 15	NASA-CASE-XLE-00397	N70-36910* #	c 28	NASA-CASE-XNP-00610
		US-PATENT-3,165,356			US-PATENT-APPL-SN-195346			US-PATENT-APPL-SN-211464
N70-35219* #	c 09	NASA-CASE-XNP-00611			US-PATENT-CLASS-137-614			US-PATENT-CLASS-60-35 6
		US-PATENT-APPL-SN-140443			US-PATENT-3,170,486			US-PATENT-3,170,290
		US-PATENT-CLASS-343-781	N70-36493* #	c 05	NASA-CASE-XMS-00864	N70-36911* #	c 07	NASA-CASE-XNP-00748
		US-PATENT-3,209,360			US-PATENT-APPL-SN-258932			US-PATENT-APPL-SN-184649
N70-35220* #	c 14	NASA-CASE-XNP-00449			US-PATENT-CLASS-9-316			US-PATENT-CLASS-343-17 2
		US-PATENT-APPL-SN-118169			US-PATENT-3,152,344			US-PATENT-3,183,506
		US-PATENT-CLASS-330-49	N70-36494* #	c 09	NASA-CASE-XMF-00369	N70-36913* #	c 11	NASA-CASE-XMF-00411
		US-PATENT-3,160,825			US-PATENT-APPL-SN-134782			US-PATENT-APPL-SN-158914
N70-35368* #	c 14	NASA-CASE-XLE-00335			US-PATENT-CLASS-339-177			US-PATENT-CLASS-73-147
		US-PATENT-APPL-SN-197554			US-PATENT-3,149,897			US-PATENT-3,182,496
		US-PATENT-CLASS-73-15 6	N70-36535* #	c 15	NASA-CASE-XLE-00303	N70-36938* #	c 21	NASA-CASE-XNP-00294
		US-PATENT-3,176,499			US-PATENT-APPL-SN-182692			US-PATENT-APPL-SN-182696
N70-35381* #	c 28	NASA-CASE-XHQ-01897			US-PATENT-CLASS-60-35 6			US-PATENT-CLASS-60-35 5
		US-PATENT-APPL-SN-129579			US-PATENT-3,170,286			US-PATENT-3,178,883
		US-PATENT-CLASS-60-35 6	N70-36536* #	c 32	NASA-CASE-XLA-00204	N70-36943* #	c 21	NASA-CASE-XLA-00281
		US-PATENT-3,121,309			US-PATENT-APPL-SN-189648			US-PATENT-APPL-SN-84962
N70-35382* #	c 09	NASA-CASE-XNP-00540			US-PATENT-CLASS-135-1			US-PATENT-CLASS-244-1
		US-PATENT-APPL-SN-140509			US-PATENT-3,170,471			US-PATENT-3,180,587
		US-PATENT-CLASS-343-781	N70-36616* #	c 17	NASA-CASE-XLE-00283	N70-36946* #	c 25	NASA-CASE-XLA-01354
		US-PATENT-3,212,096			US-PATENT-APPL-SN-107866			US-PATENT-APPL-SN-253774
N70-35383* #	c 11	NASA-CASE-XMF-00580			US-PATENT-CLASS-75-171			US-PATENT-CLASS-60-35 5
		US-PATENT-APPL-SN-343425			US-PATENT-3,167,426			US-PATENT-3,174,278
		US-PATENT-CLASS-248-119	N70-36617* #	c 33	NASA-CASE-XLA-01291	N70-36947* #	c 15	NASA-CASE-XNP-00416
		US-PATENT-3,194,525			US-PATENT-APPL-SN-277961			US-PATENT-APPL-SN-180395
N70-35394* #	c 14	NASA-CASE-XNP-00708			US-PATENT-CLASS-244-1			US-PATENT-CLASS-189-36
		US-PATENT-APPL-SN-281069			US-PATENT-3,176,933			US-PATENT-3,169,613
		US-PATENT-CLASS-35-45	N70-36618* #	c 14	NASA-CASE-XLE-00143	N70-37245* #	c 28	NASA-CASE-XLE-00376
		US-PATENT-3,196,558			US-PATENT-APPL-SN-104187			US-PATENT-APPL-SN-139007
N70-35395* #	c 21	NASA-CASE-XNP-00465			US-PATENT-CLASS-324-61			US-PATENT-CLASS-60-35 5
		US-PATENT-APPL-SN-180379			US-PATENT-3,176,222			US-PATENT-3,156,090
		US-PATENT-CLASS-244-1	N70-36654* #	c 31	NASA-CASE-XMF-02853	N70-37924* #	c 31	NASA-CASE-XGS-00260
		US-PATENT-3,206,141			US-PATENT-APPL-SN-360182			US-PATENT-APPL-SN-187446
N70-35407* #	c 15	NASA-CASE-XLE-00815			US-PATENT-CLASS-244-100			US-PATENT-CLASS-244-1
		US-PATENT-APPL-SN-300712			US-PATENT-3,175,789			US-PATENT-3,090,580
		US-PATENT-CLASS-251-11	N70-36778* #	c 03	NASA-CASE-XLA-00838	N70-37925* #	c 15	NASA-CASE-XLA-00128
		US-PATENT-3,211,414			US-PATENT-APPL-SN-192016			US-PATENT-APPL-SN-32496
N70-35408* #	c 03	NASA-CASE-XGS-01593			US-PATENT-CLASS-9-8			US-PATENT-CLASS-73-384

N70-37938* #	c 31	US-PATENT-3,093,000 NASA-CASE-XLA-00149 US-PATENT-APPL-SN-847023 US-PATENT-CLASS-244-1 US-PATENT-3,093,346	N70-38601* #	c 15	US-PATENT-3,135,090 NASA-CASE-XLA-00679 US-PATENT-APPL-SN-213836 US-PATENT-CLASS-188-1 US-PATENT-3,128,845	N70-39925* #	c 28	US-PATENT-3,229,884 NASA-CASE-XLE-00060 US-PATENT-APPL-SN-231604 US-PATENT-CLASS-313-11 5 US-PATENT-3,229,139
N70-37939* #	c 02	NASA-CASE-XLE-00222 US-PATENT-APPL-SN-77252 US-PATENT-CLASS-244-113 US-PATENT-3,098,630	N70-38602* #	c 14	NASA-CASE-XLE-00243 US-PATENT-APPL-SN-118203 US-PATENT-CLASS-324-106 US-PATENT-3,202,915	N70-39930* #	c 03	NASA-CASE-XLA-00791 US-PATENT-APPL-SN-347960 US-PATENT-CLASS-102-49 US-PATENT-3,229,636
N70-37979* #	c 33	NASA-CASE-XLA-00349 US-PATENT-APPL-SN-141220 US-PATENT-CLASS-62-467 US-PATENT-3,090,212	N70-38603* #	c 15	NASA-CASE-XNP-00450 US-PATENT-APPL-SN-180394 US-PATENT-CLASS-137-495 US-PATENT-3,105,515	N70-39931* #	c 28	NASA-CASE-XNP-01104 US-PATENT-APPL-SN-290867 US-PATENT-CLASS-60-39 48 US-PATENT-3,229,463
N70-37980* #	c 28	NASA-CASE-XLE-00342 US-PATENT-APPL-SN-60531 US-PATENT-CLASS-60-35 5 US-PATENT-3,119,232	N70-38604* #	c 09	NASA-CASE-XGS-00458 US-PATENT-APPL-SN-139006 US-PATENT-CLASS-307-88 US-PATENT-3,128,389	N70-40003* #	c 14	NASA-CASE-XGS-01036 US-PATENT-APPL-SN-227692 US-PATENT-CLASS-88-14 US-PATENT-3,229,568
N70-37981* #	c 31	NASA-CASE-XLA-00138 US-PATENT-APPL-SN-8204 US-PATENT-CLASS-343-18 US-PATENT-3,115,630	N70-38620* #	c 15	NASA-CASE-XNP-00476 US-PATENT-APPL-SN-182698 US-PATENT-CLASS-308-9 US-PATENT-3,132,903	N70-40015* #	c 26	NASA-CASE-XLA-02057 US-PATENT-APPL-SN-320595 US-PATENT-CLASS-23-277 US-PATENT-3,230,053
N70-37986* #	c 31	NASA-CASE-XLA-00241 US-PATENT-APPL-SN-61329 US-PATENT-CLASS-244-1 US-PATENT-3,104,079	N70-38645* #	c 28	NASA-CASE-XNP-00234 US-PATENT-APPL-SN-180382 US-PATENT-CLASS-60-35 54 US-PATENT-3,139,725	N70-40016* #	c 30	NASA-CASE-XGS-00619 US-PATENT-APPL-SN-264728 US-PATENT-CLASS-244-1 US-PATENT-3,229,930
N70-38009* #	c 02	NASA-CASE-XLA-00195 US-PATENT-APPL-SN-60536 US-PATENT-CLASS-244-140 US-PATENT-3,079,113	N70-38675* #	c 11	NASA-CASE-XNP-00459 US-PATENT-APPL-SN-180384 US-PATENT-CLASS-73-432 US-PATENT-3,187,583	N70-40062* #	c 15	NASA-CASE-XMS-01624 US-PATENT-APPL-SN-422867 US-PATENT-CLASS-55-408 US-PATENT-3,224,173
N70-38010* #	c 31	NASA-CASE-XLA-00805 US-PATENT-APPL-SN-181829 US-PATENT-CLASS-244-46 US-PATENT-3,120,361	N70-38676* #	c 31	NASA-CASE-XLA-00258 US-PATENT-APPL-SN-101029 US-PATENT-CLASS-244-1 US-PATENT-3,144,219	N70-40063* #	c 07	NASA-CASE-XMS-00893 US-PATENT-APPL-SN-251449 US-PATENT-CLASS-343-18 US-PATENT-3,224,001
N70-38011* #	c 02	NASA-CASE-XLA-00350 US-PATENT-APPL-SN-153266 US-PATENT-CLASS-244-46 US-PATENT-3,104,082	N70-38710* #	c 28	NASA-CASE-XMF-00148 US-PATENT-APPL-SN-118202 US-PATENT-CLASS-60-35 6 US-PATENT-3,122,885	N70-40123* #	c 09	NASA-CASE-XGS-01881 US-PATENT-APPL-SN-155584 US-PATENT-CLASS-324-43 US-PATENT-3,218,547
N70-38020* #	c 15	NASA-CASE-XLE-00345 US-PATENT-APPL-SN-183978 US-PATENT-CLASS-62-55 US-PATENT-3,122,000	N70-38711* #	c 28	NASA-CASE-XLE-00057 US-PATENT-APPL-SN-0914 US-PATENT-CLASS-60-35 55 US-PATENT-3,080,711	N70-40124* #	c 12	NASA-CASE-XLE-01512 US-PATENT-APPL-SN-315096 US-PATENT-CLASS-149-2 US-PATENT-3,215,572
N70-38181* #	c 28	NASA-CASE-XNP-00217 US-PATENT-APPL-SN-180374 US-PATENT-CLASS-102-49 US-PATENT-3,122,098	N70-38712* #	c 09	NASA-CASE-XMF-01129 US-PATENT-APPL-SN-273534 US-PATENT-CLASS-318-260 US-PATENT-3,147,422	N70-40125* #	c 08	NASA-CASE-XAC-00404 US-PATENT-APPL-SN-209801 US-PATENT-CLASS-340-347 US-PATENT-3,216,007
N70-38182* #	c 11	NASA-CASE-XNP-00612 US-PATENT-APPL-SN-228507 US-PATENT-CLASS-220-63 US-PATENT-3,123,248	N70-38713* #	c 03	NASA-CASE-XGS-00473 US-PATENT-APPL-SN-139012 US-PATENT-CLASS-200-39 US-PATENT-3,141,932	N70-40156* #	c 15	NASA-CASE-XLA-01019 US-PATENT-APPL-SN-282817 US-PATENT-CLASS-248-358 US-PATENT-3,223,374
N70-38196* #	c 11	NASA-CASE-XMF-00424 US-PATENT-APPL-SN-159804 US-PATENT-CLASS-73-517 US-PATENT-3,141,340	N70-38995* #	c 09	NASA-CASE-XGS-00131 US-PATENT-APPL-SN-14488 US-PATENT-CLASS-331-113 US-PATENT-3,150,329	N70-40157* #	c 14	NASA-CASE-XLA-00487 US-PATENT-APPL-SN-236748 US-PATENT-CLASS-73-178 US-PATENT-3,221,549
N70-38197* #	c 28	NASA-CASE-XLE-00455 US-PATENT-APPL-SN-203409 US-PATENT-CLASS-75-222 US-PATENT-3,141,769	N70-38996* #	c 15	NASA-CASE-XNP-00676 US-PATENT-APPL-SN-290870 US-PATENT-CLASS-222-389 US-PATENT-3,170,605	N70-40180* #	c 15	NASA-CASE-XAC-00472 US-PATENT-APPL-SN-236749 US-PATENT-CLASS-73-142 US-PATENT-3,224,263
N70-38198* #	c 17	NASA-CASE-XLE-00231 US-PATENT-APPL-SN-64226 US-PATENT-CLASS-22-203 US-PATENT-3,138,837	N70-38997* #	c 12	NASA-CASE-XMF-00658 US-PATENT-APPL-SN-216710 US-PATENT-CLASS-137-1 US-PATENT-3,110,318	N70-40201* #	c 14	NASA-CASE-XLE-00720 US-PATENT-APPL-SN-302749 US-PATENT-CLASS-73-134 US-PATENT-3,221,547
N70-38199* #	c 28	NASA-CASE-XLE-00111 US-PATENT-APPL-SN-835152 US-PATENT-CLASS-60-39 48 US-PATENT-3,136,123	N70-38998* #	c 09	NASA-CASE-XNP-00431 US-PATENT-APPL-SN-180380 US-PATENT-CLASS-340-147 US-PATENT-3,100,294	N70-40202* #	c 07	NASA-CASE-XMF-00437 US-PATENT-APPL-SN-120795 US-PATENT-CLASS-343-705 US-PATENT-3,077,599
N70-38200* #	c 07	NASA-CASE-XLA-00414 US-PATENT-APPL-SN-209478 US-PATENT-CLASS-343-705 US-PATENT-3,132,342	N70-39895* #	c 28	NASA-CASE-XLE-00085 US-PATENT-APPL-SN-25175 US-PATENT-CLASS-253-66 US-PATENT-3,070,349	N70-40203* #	c 14	NASA-CASE-XLE-00702 US-PATENT-APPL-SN-258931 US-PATENT-CLASS-73-116 US-PATENT-3,201,980
N70-38201* #	c 09	NASA-CASE-XNP-00738 US-PATENT-APPL-SN-204015 US-PATENT-CLASS-174-115 US-PATENT-3,106,603	N70-39896* #	c 15	NASA-CASE-XMF-00339 US-PATENT-APPL-SN-110591 US-PATENT-CLASS-308-9 US-PATENT-3,070,407	N70-40204* #	c 15	NASA-CASE-XMF-00722 US-PATENT-APPL-SN-347626 US-PATENT-CLASS-228-50 US-PATENT-3,219,250
N70-38202* #	c 11	NASA-CASE-XNP-00425 US-PATENT-APPL-SN-180396 US-PATENT-CLASS-89-1 7 US-PATENT-3,112,672	N70-39897* #	c 18	NASA-CASE-XLE-00353 US-PATENT-APPL-SN-65548 US-PATENT-CLASS-252-58 US-PATENT-3,072,574	N70-40233* #	c 14	NASA-CASE-XMS-01546 US-PATENT-APPL-SN-386467 US-PATENT-CLASS-222-45 US-PATENT-3,228,558
N70-38225* #	c 15	NASA-CASE-XNP-00840 US-PATENT-APPL-SN-269222 US-PATENT-CLASS-267-1 US-PATENT-3,127,157	N70-39898* #	c 14	NASA-CASE-XMF-00480 US-PATENT-APPL-SN-144804 US-PATENT-CLASS-248-346 US-PATENT-3,069,123	N70-40234* #	c 09	NASA-CASE-XLE-01716 US-PATENT-APPL-SN-349778 US-PATENT-CLASS-126-270 US-PATENT-3,229,682
N70-38249* #	c 28	NASA-CASE-XNP-00249 US-PATENT-APPL-SN-180391 US-PATENT-CLASS-60-35 6 US-PATENT-3,120,738	N70-39899* #	c 28	NASA-CASE-XLE-00005 US-PATENT-APPL-SN-718095 US-PATENT-CLASS-60-35 6 US-PATENT-3,067,573	N70-40238* #	c 14	NASA-CASE-XMF-00908 US-PATENT-APPL-SN-241085 US-PATENT-CLASS-250-201 US-PATENT-3,229,099
N70-38490* #	c 17	NASA-CASE-XLE-00228 US-PATENT-APPL-SN-64224 US-PATENT-CLASS-29-183 5 US-PATENT-3,084,421	N70-39915* #	c 09	NASA-CASE-XAC-00060 US-PATENT-APPL-SN-47121 US-PATENT-CLASS-200-19 US-PATENT-3,076,065	N70-40239* #	c 14	NASA-CASE-XLA-00183 US-PATENT-APPL-SN-199202 US-PATENT-CLASS-250-203 US-PATENT-3,229,102
N70-38504* #	c 28	NASA-CASE-XMS-00583 US-PATENT-APPL-SN-182699 US-PATENT-CLASS-60-35 6 US-PATENT-3,135,089	N70-39922* #	c 05	NASA-CASE-XMS-01115 US-PATENT-APPL-SN-277404 US-PATENT-CLASS-128-29 US-PATENT-3,229,689	N70-40240* #	c 14	NASA-CASE-XHO-04106 US-PATENT-APPL-SN-91180 US-PATENT-CLASS-250-105 US-PATENT-3,143,651
N70-38505* #	c 28	NASA-CASE-XLE-00323 US-PATENT-APPL-SN-183977 US-PATENT-CLASS-60-35 6	N70-39924* #	c 15	NASA-CASE-XMF-00640 US-PATENT-APPL-SN-341467 US-PATENT-CLASS-228-50	N70-40272* #	c 09	NASA-CASE-XMF-00701 US-PATENT-APPL-SN-261917 US-PATENT-CLASS-307-88 5

N70-40273* #	c 14	US-PATENT-3,218,479 NASA-CASE-XNP-00637 US-PATENT-APPL-SN-280776 US-PATENT-CLASS-95-58 US-PATENT-3,217,624	N70-41580* #	c 03	US-PATENT-3,295,556 NASA-CASE-XLA-04622 US-PATENT-APPL-SN-277833 US-PATENT-CLASS-126-270 US-PATENT-3,295,512	N70-41811* #	c 15	US-PATENT-3,287,031 NASA-CASE-XNP-01152 US-PATENT-APPL-SN-369337 US-PATENT-CLASS-137-539 US-PATENT-3,302,662
N70-40309* #	c 30	NASA-CASE-XLA-00210 US-PATENT-APPL-SN-82658 US-PATENT-CLASS-343-18 US-PATENT-3,220,004 NASA-CASE-XMF-03198	N70-41581* #	c 05	NASA-CASE-XAC-01404 US-PATENT-APPL-SN-363348 US-PATENT-CLASS-74-471 US-PATENT-3,295,386	N70-41812* #	c 14	NASA-CASE-XMS-03792 US-PATENT-APPL-SN-516159 US-PATENT-CLASS-200-61 45 US-PATENT-3,303,304
N70-40353* #	c 30	US-PATENT-APPL-SN-370134 US-PATENT-CLASS-89-1 7 US-PATENT-3,224,336 NASA-CASE-XMF-01045 US-PATENT-APPL-SN-355130 US-PATENT-CLASS-188-1 US-PATENT-3,228,492	N70-41582* #	c 28	NASA-CASE-XMF-01813 US-PATENT-APPL-SN-375674 US-PATENT-CLASS-181-52 US-PATENT-3,270,835	N70-41818* #	c 28	NASA-CASE-XLE-00150 US-PATENT-APPL-SN-843032 US-PATENT-CLASS-29-157 3 US-PATENT-3,035,333
N70-40354* #	c 15	US-PATENT-3,224,336 NASA-CASE-XMF-01045 US-PATENT-APPL-SN-355130 US-PATENT-CLASS-188-1 US-PATENT-3,228,492	N70-41583* #	c 18	NASA-CASE-XMF-01030 US-PATENT-APPL-SN-317389 US-PATENT-CLASS-161-115 US-PATENT-3,296,060	N70-41819* #	c 05	NASA-CASE-XAC-00405 US-PATENT-APPL-SN-158916 US-PATENT-CLASS-128-1 US-PATENT-3,302,633
N70-40367* #	c 28	NASA-CASE-XLE-00177 US-PATENT-APPL-SN-10812 US-PATENT-CLASS-60-35 3 US-PATENT-3,045,424 NASA-CASE-XAC-00648	N70-41588* #	c 31	NASA-CASE-XMF-01973 US-PATENT-APPL-SN-375682 US-PATENT-CLASS-244-1 US-PATENT-3,295,790	N70-41829* #	c 15	NASA-CASE-XMF-01371 US-PATENT-APPL-SN-353634 US-PATENT-CLASS-287-119 US-PATENT-3,302,960
N70-40400* #	c 14	US-PATENT-APPL-SN-216939 US-PATENT-CLASS-73-147 US-PATENT-3,218,850 NASA-CASE-XNP-01390	N70-41589* #	c 02	NASA-CASE-XMF-01174 US-PATENT-APPL-SN-410331 US-PATENT-CLASS-244-100 US-PATENT-3,295,798	N70-41855* #	c 31	NASA-CASE-XNP-02982 US-PATENT-APPL-SN-388966 US-PATENT-CLASS-244-1 US-PATENT-3,304,028
N70-41275* #	c 28	US-PATENT-APPL-SN-424157 US-PATENT-CLASS-60-259 US-PATENT-3,300,981 NASA-CASE-XMS-01492	N70-41628* #	c 25	NASA-CASE-XAC-00319 US-PATENT-APPL-SN-77251 US-PATENT-CLASS-315-111 US-PATENT-3,229,155	N70-41856* #	c 21	NASA-CASE-XNP-01307 US-PATENT-APPL-SN-390250 US-PATENT-CLASS-244-1 US-PATENT-3,286,953
N70-41297* #	c 05	US-PATENT-APPL-SN-398131 US-PATENT-CLASS-55-35 US-PATENT-3,300,949 NASA-CASE-XNP-01567	N70-41629* #	c 15	NASA-CASE-XGS-02441 US-PATENT-APPL-SN-411944 US-PATENT-CLASS-285-331 US-PATENT-3,301,578	N70-41863* #	c 02	NASA-CASE-XLA-01220 US-PATENT-APPL-SN-379417 US-PATENT-CLASS-244-16 US-PATENT-3,286,957
N70-41310* #	c 15	US-PATENT-APPL-SN-448898 US-PATENT-CLASS-248-178 US-PATENT-3,295,808 NASA-CASE-XNP-00876	N70-41630* #	c 02	NASA-CASE-XMS-00907 US-PATENT-APPL-SN-428890 US-PATENT-CLASS-244-138 US-PATENT-3,301,511	N70-41864* #	c 03	NASA-CASE-XGS-01419 US-PATENT-APPL-SN-323182 US-PATENT-CLASS-136-179 US-PATENT-3,287,174
N70-41311* #	c 28	US-PATENT-APPL-SN-377784 US-PATENT-CLASS-60-251 US-PATENT-3,298,182 NASA-CASE-XMS-01615	N70-41631* #	c 31	NASA-CASE-XMS-04142 US-PATENT-APPL-SN-422865 US-PATENT-CLASS-244-1 US-PATENT-3,301,507	N70-41871* #	c 31	NASA-CASE-XMS-04390 US-PATENT-APPL-SN-502729 US-PATENT-CLASS-62-45 US-PATENT-3,304,729
N70-41329* #	c 05	US-PATENT-APPL-SN-329595 US-PATENT-CLASS-128-2 05 US-PATENT-3,298,362 NASA-CASE-XLE-00688	N70-41646* #	c 15	NASA-CASE-XLE-01449 US-PATENT-APPL-SN-330209 US-PATENT-CLASS-137-197 US-PATENT-3,295,545	N70-41897* #	c 27	NASA-CASE-XNP-01749 US-PATENT-APPL-SN-440033 US-PATENT-CLASS-149-109 US-PATENT-3,305,415
N70-41330* #	c 14	US-PATENT-APPL-SN-334672 US-PATENT-CLASS-73-32 US-PATENT-3,298,221 NASA-CASE-XLA-01400	N70-41647* #	c 14	NASA-CASE-XGS-00769 US-PATENT-APPL-SN-319893 US-PATENT-CLASS-242-55 19 US-PATENT-3,295,782	N70-41922* #	c 28	NASA-CASE-XNP-02839 US-PATENT-APPL-SN-477333 US-PATENT-CLASS-60-202 US-PATENT-3,304,718
N70-41331* #	c 07	US-PATENT-APPL-SN-363653 US-PATENT-CLASS-325-65 US-PATENT-3,296,531 NASA-CASE-XLA-00495	N70-41655* #	c 09	NASA-CASE-XMF-00906 US-PATENT-APPL-SN-264731 US-PATENT-CLASS-324-113 US-PATENT-3,287,640	N70-41929* #	c 09	NASA-CASE-XNP-01951 US-PATENT-APPL-SN-413662 US-PATENT-CLASS-335-300 US-PATENT-3,305,810
N70-41332* #	c 14	US-PATENT-APPL-SN-269215 US-PATENT-CLASS-324-70 US-PATENT-3,296,526 NASA-CASE-XLA-01353	N70-41675* #	c 09	NASA-CASE-XMS-01315 US-PATENT-APPL-SN-347101 US-PATENT-CLASS-307-88 5 US-PATENT-3,302,040	N70-41930* #	c 21	NASA-CASE-XNP-01501 US-PATENT-APPL-SN-432027 US-PATENT-CLASS-343-12 US-PATENT-3,305,861
N70-41366* #	c 14	US-PATENT-APPL-SN-403960 US-PATENT-CLASS-73-147 US-PATENT-3,301,046 NASA-CASE-XGS-00938	N70-41676* #	c 14	NASA-CASE-XGS-01231 US-PATENT-APPL-SN-346356 US-PATENT-CLASS-250-71 US-PATENT-3,302,023	N70-41946* #	c 14	NASA-CASE-XLE-00011 US-PATENT-APPL-SN-735911 US-PATENT-CLASS-88-14 US-PATENT-2,960,002
N70-41367* #	c 32	US-PATENT-APPL-SN-392970 US-PATENT-CLASS-214-1 US-PATENT-3,295,699 NASA-CASE-XNP-01962	N70-41677* #	c 11	NASA-CASE-XMF-01772 US-PATENT-APPL-SN-370135 US-PATENT-CLASS-73-116 US-PATENT-3,295,366	N70-41948* #	c 31	NASA-CASE-XMF-01899 US-PATENT-APPL-SN-428882 US-PATENT-CLASS-60-257 US-PATENT-3,304,724
N70-41370* #	c 32	US-PATENT-APPL-SN-369640 US-PATENT-CLASS-92-94 US-PATENT-3,298,285 NASA-CASE-XMF-01452	N70-41678* #	c 07	NASA-CASE-XGS-02608 US-PATENT-APPL-SN-456578 US-PATENT-CLASS-343-18 US-PATENT-3,289,205	N70-41954* #	c 03	NASA-CASE-XAC-00392 US-PATENT-APPL-SN-430776 US-PATENT-CLASS-74-519 US-PATENT-3,304,799
N70-41371* #	c 15	US-PATENT-APPL-SN-356692 US-PATENT-CLASS-29-271 US-PATENT-3,300,847 NASA-CASE-XLA-01127	N70-41679* #	c 15	NASA-CASE-XLA-01441 US-PATENT-APPL-SN-516151 US-PATENT-CLASS-102-49 US-PATENT-3,302,569	N70-41955* #	c 14	NASA-CASE-XNP-02029 US-PATENT-APPL-SN-221276 US-PATENT-CLASS-88-14 US-PATENT-3,323,408
N70-41372* #	c 07	US-PATENT-APPL-SN-363654 US-PATENT-CLASS-325-65 US-PATENT-3,300,731 NASA-CASE-XMS-01906	N70-41680* #	c 07	NASA-CASE-XNP-02723 US-PATENT-APPL-SN-371857 US-PATENT-CLASS-343-14 US-PATENT-3,287,725	N70-41957* #	c 14	NASA-CASE-XAC-01101 US-PATENT-APPL-SN-355129 US-PATENT-CLASS-73-141 US-PATENT-3,304,773
N70-41373* #	c 31	US-PATENT-APPL-SN-339040 US-PATENT-CLASS-244-1 US-PATENT-3,300,162 NASA-CASE-XNP-00732	N70-41681* #	c 14	NASA-CASE-XAC-02877 US-PATENT-APPL-SN-449902 US-PATENT-CLASS-73-30 US-PATENT-3,295,360	N70-41960* #	c 15	NASA-CASE-XNP-05082 US-PATENT-APPL-SN-521753 US-PATENT-CLASS-174-68 5 US-PATENT-3,321,570
N70-41447* #	c 28	US-PATENT-APPL-SN-261918 US-PATENT-CLASS-210-314 US-PATENT-3,295,684 NASA-CASE-XLE-00519	N70-41682* #	c 14	NASA-CASE-XMS-05936 US-PATENT-APPL-SN-557868 US-PATENT-CLASS-73-517 US-PATENT-3,295,377	N70-41961* #	c 08	NASA-CASE-XNP-00911 US-PATENT-APPL-SN-280777 US-PATENT-CLASS-178-67 US-PATENT-3,305,636
N70-41576* #	c 28	US-PATENT-APPL-SN-249542 US-PATENT-CLASS-313-63 US-PATENT-3,287,582 NASA-CASE-XGS-01504	N70-41717* #	c 09	NASA-CASE-XMS-02087 US-PATENT-APPL-SN-439489 US-PATENT-CLASS-165-1 US-PATENT-3,301,315	N70-41964* #	c 10	NASA-CASE-XGS-01983 US-PATENT-APPL-SN-388023 US-PATENT-CLASS-333-79 US-PATENT-3,305,801
N70-41578* #	c 16	US-PATENT-APPL-SN-340113 US-PATENT-CLASS-331-94 US-PATENT-3,287,660 NASA-CASE-XLE-00620	N70-41807* #	c 14	NASA-CASE-XNP-01472 US-PATENT-APPL-SN-321656 US-PATENT-CLASS-178-7 2 US-PATENT-3,287,496	N70-41967* #	c 28	NASA-CASE-XLA-02651 US-PATENT-APPL-SN-449901 US-PATENT-CLASS-102-49 US-PATENT-3,304,865
N70-41579* #	c 32	US-PATENT-APPL-SN-304698 US-PATENT-CLASS-138-119	N70-41808* #	c 15	NASA-CASE-XMS-02532 US-PATENT-APPL-SN-398132 US-PATENT-CLASS-285-27	N70-41991* #	c 10	NASA-CASE-XNP-03128 US-PATENT-APPL-SN-397665 US-PATENT-CLASS-250-83 6

N70-41992* #	c 28	US-PATENT-3,321,628 NASA-CASE-XLE-00685 US-PATENT-APPL-SN-407595 US-PATENT-CLASS-60-260 US-PATENT-3,321,922 NASA-CASE-XLE-01300	N71-10616* #	c 14	US-PATENT-3,311,315 NASA-CASE-XMF-02433 US-PATENT-APPL-SN-405630 US-PATENT-CLASS-73-70 2 US-PATENT-3,310,978	N71-10781* #	c 14	US-PATENT-3,316,716 NASA-CASE-XLE-01481 US-PATENT-APPL-SN-319905 US-PATENT-CLASS-73-99 US-PATENT-3,282,091
N70-41993* #	c 15	US-PATENT-APPL-SN-380960 US-PATENT-CLASS-73-100 US-PATENT-3,323,356 NASA-CASE-XMF-02822	N71-10617* #	c 15	NASA-CASE-XMF-01887 US-PATENT-APPL-SN-422868 US-PATENT-CLASS-308-5 US-PATENT-3,325,229	N71-10782* #	c 15	NASA-CASE-XKS-01985 US-PATENT-APPL-SN-357337 US-PATENT-CLASS-285-24 US-PATENT-3,319,979 NASA-CASE-XLE-01246
N70-41994* #	c 14	US-PATENT-APPL-SN-403959 US-PATENT-CLASS-73-194 US-PATENT-3,323,362 NASA-CASE-XMS-03371	N71-10618* #	c 09	NASA-CASE-XNP-03332 US-PATENT-APPL-SN-368123 US-PATENT-CLASS-313-63 US-PATENT-3,311,772	N71-10797* #	c 14	US-PATENT-APPL-SN-249537 US-PATENT-CLASS-324-61 US-PATENT-3,324,388 NASA-CASE-XMS-00945
N70-42000* #	c 05	US-PATENT-APPL-SN-418931 US-PATENT-CLASS-73-432 US-PATENT-3,323,370 NASA-CASE-XLA-021131	N71-10658* #	c 15	NASA-CASE-XMS-03252 US-PATENT-APPL-SN-425362 US-PATENT-CLASS-60-54 5 US-PATENT-3,318,093	N71-10798* #	c 09	US-PATENT-CLASS-324-63 US-PATENT-3,324,388 NASA-CASE-XMS-00945 US-PATENT-APPL-SN-385530 US-PATENT-CLASS-330-22 US-PATENT-3,319,175
N70-42003* #	c 32	US-PATENT-APPL-SN-077777 US-PATENT-CLASS-73-90 US-PATENT-3,304,768 NASA-CASE-XLA-01967	N71-10659* #	c 09	NASA-CASE-XNP-01383 US-PATENT-APPL-SN-369336 US-PATENT-CLASS-324-77 US-PATENT-3,317,832	N71-10799* #	c 15	NASA-CASE-XLA-01807 US-PATENT-APPL-SN-442558 US-PATENT-CLASS-287-189 36 US-PATENT-3,318,622 NASA-CASE-XMF-02107
N70-42015* #	c 31	US-PATENT-APPL-SN-457875 US-PATENT-CLASS-244-135 US-PATENT-3,321,159 NASA-CASE-XLA-01290	N71-10672* #	c 15	NASA-CASE-XLA-01091 US-PATENT-APPL-SN-351259 US-PATENT-CLASS-264-102 US-PATENT-3,317,641	N71-10809* #	c 15	US-PATENT-APPL-SN-384811 US-PATENT-CLASS-140-124 US-PATENT-3,318,343 NASA-CASE-XLA-06824-2 US-PATENT-APPL-SN-775966 US-PATENT-CLASS-244-31 US-PATENT-3,508,724
N70-42016* #	c 02	US-PATENT-APPL-SN-393451 US-PATENT-CLASS-244-42 US-PATENT-3,321,157 NASA-CASE-XMS-04072	N71-10673* #	c 09	NASA-CASE-XGS-01473 US-PATENT-APPL-SN-364867 US-PATENT-CLASS-307-88 5 US-PATENT-3,317,751	N71-11037* #	c 02	US-PATENT-CLASS-140-124 US-PATENT-3,318,343 NASA-CASE-XLA-06824-2 US-PATENT-APPL-SN-775966 US-PATENT-CLASS-244-31 US-PATENT-3,508,724
N70-42017* #	c 15	US-PATENT-APPL-SN-485960 US-PATENT-CLASS-30-228 US-PATENT-3,320,669 NASA-CASE-XNP-02654	N71-10676* #	c 07	NASA-CASE-XNP-03134 US-PATENT-APPL-SN-422095 US-PATENT-CLASS-333-21 US-PATENT-3,324,423	N71-11038* #	c 02	NASA-CASE-XLA-06958 US-PATENT-APPL-SN-551815 US-PATENT-CLASS-244-44 US-PATENT-3,310,261 NASA-CASE-MSC-12111-1
N70-42032* #	c 10	US-PATENT-APPL-SN-435387 US-PATENT-CLASS-307-88 5 US-PATENT-3,321,645 NASA-CASE-XNP-02092	N71-10677* #	c 09	NASA-CASE-XGS-01451 US-PATENT-APPL-SN-405629 US-PATENT-CLASS-318-138 US-PATENT-3,324,370	N71-11039* #	c 02	US-PATENT-APPL-SN-775877 US-PATENT-CLASS-244-23 US-PATENT-3,490,721 NASA-CASE-XLA-03659 US-PATENT-APPL-SN-444087 US-PATENT-CLASS-244-46 US-PATENT-3,270,989
N70-42033* #	c 15	US-PATENT-APPL-SN-371856 US-PATENT-CLASS-156-345 US-PATENT-3,323,967 NASA-CASE-XNP-01412	N71-10678* #	c 21	NASA-CASE-XGS-01159 US-PATENT-APPL-SN-332313 US-PATENT-CLASS-250-203 US-PATENT-3,311,748	N71-11041* #	c 02	US-PATENT-CLASS-244-23 US-PATENT-3,490,721 NASA-CASE-XLA-03659 US-PATENT-APPL-SN-444087 US-PATENT-CLASS-244-46 US-PATENT-3,270,989
N70-42034* #	c 15	US-PATENT-APPL-SN-426702 US-PATENT-CLASS-175-310 US-PATENT-3,321,034 NASA-CASE-XFR-04104	N71-10728* #	c 03	NASA-CASE-XNP-01464 US-PATENT-APPL-SN-430778 US-PATENT-CLASS-136-182 US-PATENT-3,317,352	N71-11043* #	c 02	NASA-CASE-XLA-08801-1 US-PATENT-APPL-SN-710533 US-PATENT-CLASS-244-43 US-PATENT-3,493,197 NASA-CASE-NPO-10109
N70-42073* #	c 03	US-PATENT-APPL-SN-476759 US-PATENT-CLASS-74-471 US-PATENT-3,323,386 NASA-CASE-XLE-02998	N71-10746* #	c 11	NASA-CASE-XMS-02977 US-PATENT-APPL-SN-416938 US-PATENT-CLASS-35-12 US-PATENT-3,281,963	N71-11049* #	c 03	US-PATENT-APPL-SN-701654 US-PATENT-CLASS-136-89 US-PATENT-3,532,551 NASA-CASE-XNP-06506 US-PATENT-APPL-SN-577778 US-PATENT-CLASS-136-89 US-PATENT-3,446,676
N70-42074* #	c 14	US-PATENT-APPL-SN-516794 US-PATENT-CLASS-116-117 US-PATENT-3,323,484 NASA-CASE-XMS-02677	N71-10747* #	c 31	NASA-CASE-XMF-00442 US-PATENT-APPL-SN-202030 US-PATENT-CLASS-343-705 US-PATENT-3,277,486	N71-11050* #	c 03	US-PATENT-CLASS-136-89 US-PATENT-3,532,551 NASA-CASE-XNP-06506 US-PATENT-APPL-SN-577778 US-PATENT-CLASS-136-89 US-PATENT-3,446,676
N70-42075* #	c 31	US-PATENT-APPL-SN-472066 US-PATENT-CLASS-244-1 US-PATENT-3,321,154 NASA-CASE-XLE-01609	N71-10748* #	c 11	NASA-CASE-XFR-04147 US-PATENT-APPL-SN-476761 US-PATENT-CLASS-35-12 US-PATENT-3,281,965	N71-11051* #	c 03	US-PATENT-APPL-SN-701654 US-PATENT-CLASS-136-89 US-PATENT-3,532,551 NASA-CASE-XNP-06506 US-PATENT-APPL-SN-577778 US-PATENT-CLASS-136-89 US-PATENT-3,446,676
N71-10500* #	c 14	US-PATENT-APPL-SN-438797 US-PATENT-CLASS-73-290 US-PATENT-3,326,043 NASA-CASE-XLE-00808	N71-10771* #	c 21	NASA-CASE-XNP-03914 US-PATENT-APPL-SN-468647 US-PATENT-CLASS-250-203 US-PATENT-3,317,731	N71-11052* #	c 03	US-PATENT-APPL-SN-640457 US-PATENT-CLASS-136-86 US-PATENT-3,507,704 NASA-CASE-XGS-00886 US-PATENT-APPL-SN-319894 US-PATENT-CLASS-136-132 US-PATENT-3,282,739
N71-10560* #	c 24	US-PATENT-APPL-SN-307269 US-PATENT-CLASS-148-188 US-PATENT-3,310,443 NASA-CASE-XLE-01902	N71-10772* #	c 18	NASA-CASE-XLE-01765 US-PATENT-APPL-SN-316477 US-PATENT-CLASS-117-65 2 US-PATENT-3,317,341	N71-11053* #	c 03	US-PATENT-CLASS-136-86 US-PATENT-3,507,704 NASA-CASE-XGS-00886 US-PATENT-APPL-SN-319894 US-PATENT-CLASS-136-132 US-PATENT-3,282,739
N71-10574* #	c 28	US-PATENT-APPL-SN-485656 US-PATENT-CLASS-60-202 US-PATENT-3,324,659 NASA-CASE-XLE-04677	N71-10773* #	c 14	NASA-CASE-XLA-02605 US-PATENT-APPL-SN-459138 US-PATENT-CLASS-177-210 US-PATENT-3,316,991	N71-11055* #	c 03	NASA-CASE-XMF-05843 US-PATENT-APPL-SN-666553 US-PATENT-CLASS-310-4 US-PATENT-3,509,386 NASA-CASE-XNP-05821
N71-10577* #	c 15	US-PATENT-APPL-SN-447928 US-PATENT-CLASS-220-67 US-PATENT-3,326,407 NASA-CASE-XMS-01554	N71-10774* #	c 14	NASA-CASE-XLA-01131 US-PATENT-APPL-SN-322545 US-PATENT-CLASS-73-23 US-PATENT-3,312,101	N71-11056* #	c 03	US-PATENT-APPL-SN-05821 US-PATENT-APPL-SN-545223 US-PATENT-CLASS-136-89 US-PATENT-3,493,437 NASA-CASE-MSC-13112
N71-10578* #	c 10	US-PATENT-APPL-SN-414482 US-PATENT-CLASS-323-8 US-PATENT-3,325,723 NASA-CASE-XLA-02132	N71-10775* #	c 07	NASA-CASE-XLA-00901 US-PATENT-APPL-SN-269212 US-PATENT-CLASS-325-305 US-PATENT-3,311,832	N71-11057* #	c 03	US-PATENT-CLASS-136-89 US-PATENT-3,493,437 NASA-CASE-MSC-13112 US-PATENT-APPL-SN-765738 US-PATENT-CLASS-290-40 US-PATENT-3,508,070
N71-10582* #	c 31	US-PATENT-APPL-SN-453227 US-PATENT-CLASS-102-49 US-PATENT-3,286,630 NASA-CASE-XMF-03248	N71-10776* #	c 11	NASA-CASE-XLA-03127 US-PATENT-APPL-SN-447927 US-PATENT-CLASS-35-12 US-PATENT-3,281,964	N71-11058* #	c 03	NASA-CASE-XGS-01475 US-PATENT-APPL-SN-344793 US-PATENT-CLASS-244-1 US-PATENT-3,459,391 NASA-CASE-XFR-10856
N71-10604* #	c 11	US-PATENT-APPL-SN-377780 US-PATENT-CLASS-73-116 US-PATENT-3,310,980 NASA-CASE-XLE-02792	N71-10777* #	c 11	NASA-CASE-XLE-01533 US-PATENT-APPL-SN-334678 US-PATENT-CLASS-55-400 US-PATENT-3,282,035	N71-11189* #	c 05	US-PATENT-APPL-SN-10856 US-PATENT-APPL-SN-626376 US-PATENT-3,534,727 NASA-CASE-XMS-04935
N71-10607* #	c 26	US-PATENT-APPL-SN-352400 US-PATENT-CLASS-148-1 5 US-PATENT-3,311,510 NASA-CASE-XGS-03505	N71-10778* #	c 15	NASA-CASE-XNP-00710 US-PATENT-APPL-SN-271821 US-PATENT-CLASS-251-61 US-PATENT-3,317,180	N71-11190* #	c 05	US-PATENT-APPL-SN-518487 US-PATENT-CLASS-128-142 5 US-PATENT-3,502,074 NASA-CASE-ARC-10043-1
N71-10608* #	c 03	US-PATENT-APPL-SN-498167 US-PATENT-CLASS-136-28 US-PATENT-3,311,502 NASA-CASE-XGS-01223	N71-10779* #	c 14	NASA-CASE-XMF-02307 US-PATENT-APPL-SN-422869 US-PATENT-CLASS-73-40 5 US-PATENT-3,316,752	N71-11193* #	c 05	US-PATENT-APPL-SN-676012 US-PATENT-CLASS-128-2 1 US-PATENT-3,508,541 NASA-CASE-XLA-05332
N71-10609* #	c 07	US-PATENT-APPL-SN-319892 US-PATENT-CLASS-242-55 19	N71-10780* #	c 28	NASA-CASE-XLA-01043 US-PATENT-APPL-SN-379768 US-PATENT-CLASS-60-225	N71-11194* #	c 05	US-PATENT-APPL-SN-757861 US-PATENT-CLASS-2-2 1 US-PATENT-3,534,407

N71-11195* #	c 05	NASA-CASE-LAR-10007-1 US-PATENT-APPL-SN-770203 US-PATENT-CLASS-2-2 1	N71-12258* #	c 03	US-PATENT-CLASS-321-2 US-PATENT-3,532,960 NASA-CASE-XLA-00711	N71-12506* #	c 08	US-PATENT-CLASS-340-146 2 US-PATENT-3,493,929 NASA-CASE-XNP-08832
N71-11199* #	c 05	US-PATENT-3,534,406 NASA-CASE-XKS-02342 US-PATENT-APPL-SN-407603	N71-12259* #	c 03	US-PATENT-APPL-SN-357334 US-PATENT-CLASS-89-1 7 US-PATENT-3,249,012	N71-12507* #	c 08	US-PATENT-APPL-SN-681692 US-PATENT-CLASS-340-172 5 US-PATENT-3,535,695
N71-11202* #	c 05	US-PATENT-CLASS-182-191 US-PATENT-3,262,518 NASA-CASE-XFR-08403	N71-12260* #	c 03	US-PATENT-CLASS-89-1 7 US-PATENT-3,249,013 NASA-CASE-XNP-01020	N71-12513* #	c 09	NASA-CASE-XLA-01952 US-PATENT-APPL-SN-676386 US-PATENT-CLASS-340-324
N71-11203* #	c 05	US-PATENT-APPL-SN-704420 US-PATENT-CLASS-73-23 US-PATENT-3,507,146	N71-12335* #	c 05	US-PATENT-APPL-SN-430780 US-PATENT-CLASS-60-97 US-PATENT-3,238,730	N71-12514* #	c 09	US-PATENT-CLASS-340-324 US-PATENT-3,537,096 NASA-CASE-XGS-07801
N71-11207* #	c 05	NASA-CASE-XMS-09632-1 US-PATENT-APPL-SN-791693 US-PATENT-CLASS-128-142 5	N71-12336* #	c 05	US-PATENT-CLASS-2-2 1 US-PATENT-3,286,274 NASA-CASE-XMS-05304	N71-12515* #	c 09	US-PATENT-CLASS-148-188 US-PATENT-3,490,965 NASA-CASE-XLA-07497
N71-11235* #	c 06	US-PATENT-3,500,827 NASA-CASE-XLA-03213 US-PATENT-APPL-SN-621715	N71-12341* #	c 05	US-PATENT-CLASS-244-4 US-PATENT-3,270,986 NASA-CASE-MFS-14671	N71-12516* #	c 09	US-PATENT-APPL-SN-631848 US-PATENT-CLASS-307-252 US-PATENT-3,491,255
N71-11236* #	c 06	US-PATENT-CLASS-202-182 US-PATENT-3,444,051 NASA-CASE-XLA-03104	N71-12342* #	c 05	US-PATENT-APPL-SN-510155 US-PATENT-CLASS-260-78 US-PATENT-3,518,232	N71-12343* #	c 05	NASA-CASE-XNP-08836 US-PATENT-APPL-SN-668968 US-PATENT-CLASS-340-174
N71-11237* #	c 06	US-PATENT-3,444,127 NASA-CASE-XLA-08802	N71-12344* #	c 05	US-PATENT-CLASS-260-72 5 US-PATENT-3,526,611 NASA-CASE-XMF-10753	N71-12345* #	c 05	US-PATENT-CLASS-340-174 US-PATENT-3,535,702 NASA-CASE-XNP-09768
N71-11238* #	c 06	US-PATENT-APPL-SN-640454 US-PATENT-CLASS-260-78 US-PATENT-3,532,673	N71-12346* #	c 05	US-PATENT-APPL-SN-723476 US-PATENT-CLASS-297-385 US-PATENT-3,516,711	N71-12347* #	c 05	US-PATENT-APPL-SN-698629 US-PATENT-CLASS-307-243 US-PATENT-3,535,554
N71-11239* #	c 06	US-PATENT-3,444,127 NASA-CASE-XLA-08802	N71-12348* #	c 05	NASA-CASE-XAC-05706 US-PATENT-APPL-SN-592694 US-PATENT-CLASS-325-143	N71-12349* #	c 05	NASA-CASE-XAC-10608-1 US-PATENT-APPL-SN-710561 US-PATENT-CLASS-333-80
N71-11240* #	c 06	US-PATENT-CLASS-260-46 5 US-PATENT-3,516,964 NASA-CASE-XMF-08656	N71-12349* #	c 05	US-PATENT-3,453,546 NASA-CASE-MSC-11253 US-PATENT-APPL-SN-695973	N71-12350* #	c 09	US-PATENT-CLASS-349,901 NASA-CASE-XNP-09808 US-PATENT-APPL-SN-692471
N71-11242* #	c 06	US-PATENT-APPL-SN-593605 US-PATENT-CLASS-260-2 5 US-PATENT-3,493,524	N71-12351* #	c 05	US-PATENT-CLASS-297-68 US-PATENT-3,466,085 NASA-CASE-XMS-09636	N71-12352* #	c 09	US-PATENT-CLASS-200-61 42 US-PATENT-3,488,461 NASA-CASE-XMF-06519
N71-11243* #	c 06	US-PATENT-3,493,524 NASA-CASE-XMF-08652 US-PATENT-APPL-SN-593606	N71-12353* #	c 05	US-PATENT-APPL-SN-586330 US-PATENT-CLASS-2-2 1 US-PATENT-3,492,672	N71-12354* #	c 09	US-PATENT-APPL-SN-656952 US-PATENT-CLASS-328-110 US-PATENT-3,535,644
N71-11244* #	c 06	US-PATENT-CLASS-260-2 US-PATENT-3,493,522 NASA-CASE-XLA-03076	N71-12355* #	c 05	NASA-CASE-MSC-12086-1 US-PATENT-APPL-SN-812999 US-PATENT-CLASS-29-400	N71-12356* #	c 09	NASA-CASE-NPO-10230 US-PATENT-APPL-SN-691735 US-PATENT-CLASS-307-229
N71-11245* #	c 06	US-PATENT-APPL-SN-591004 US-PATENT-CLASS-325-102 US-PATENT-3,508,152	N71-12357* #	c 05	US-PATENT-3,490,130 NASA-CASE-XMS-04212-1 US-PATENT-APPL-SN-607461	N71-12358* #	c 09	US-PATENT-CLASS-3,535,547 NASA-CASE-ARC-10030 US-PATENT-APPL-SN-679885
N71-11246* #	c 07	US-PATENT-3,508,152 NASA-CASE-XNP-10843 US-PATENT-APPL-SN-649358	N71-12359* #	c 07	US-PATENT-CLASS-128-2 1 US-PATENT-3,490,440 NASA-CASE-LAR-10056	N71-12359* #	c 09	US-PATENT-CLASS-313-110 US-PATENT-3,493,805 NASA-CASE-MSC-12135-1
N71-11247* #	c 07	US-PATENT-CLASS-325-363 US-PATENT-3,508,156 NASA-CASE-XNP-10830	N71-12360* #	c 07	US-PATENT-APPL-SN-674357 US-PATENT-CLASS-224-25 US-PATENT-3,493,153	N71-12361* #	c 09	US-PATENT-APPL-SN-761404 US-PATENT-CLASS-317-31 US-PATENT-3,448,341
N71-11248* #	c 07	US-PATENT-APPL-SN-692332 US-PATENT-CLASS-178-69 5 US-PATENT-3,535,451	N71-12362* #	c 07	NASA-CASE-XLA-01090 US-PATENT-APPL-SN-741824 US-PATENT-CLASS-250-199	N71-12362* #	c 09	NASA-CASE-ERC-10552 US-PATENT-APPL-SN-720125 US-PATENT-CLASS-178-7 7
N71-11249* #	c 07	US-PATENT-3,535,451 NASA-CASE-XGS-02889 US-PATENT-APPL-SN-685748	N71-12363* #	c 07	US-PATENT-RE-26,548 NASA-CASE-XER-09213 US-PATENT-APPL-SN-668302	N71-12363* #	c 09	US-PATENT-CLASS-3,535,446 NASA-CASE-XNP-01058 US-PATENT-APPL-SN-313136
N71-11250* #	c 07	US-PATENT-CLASS-329-104 US-PATENT-3,501,704 NASA-CASE-XLA-01552	N71-12364* #	c 07	US-PATENT-CLASS-332-9 US-PATENT-3,535,657 NASA-CASE-XMS-05454-1	N71-12364* #	c 09	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
N71-11251* #	c 07	US-PATENT-APPL-SN-332339 US-PATENT-CLASS-325-65 US-PATENT-3,277,375	N71-12365* #	c 07	US-PATENT-APPL-SN-771803 US-PATENT-CLASS-343-17 7 US-PATENT-3,471,858	N71-12365* #	c 10	US-PATENT-APPL-SN-704668 US-PATENT-CLASS-324-95 US-PATENT-3,532,979
N71-11252* #	c 07	NASA-CASE-NPO-10539 US-PATENT-APPL-SN-743429 US-PATENT-CLASS-343-779	N71-12366* #	c 07	US-PATENT-CLASS-343-776 US-PATENT-3,495,262 NASA-CASE-XGS-04767	N71-12366* #	c 01	US-PATENT-CLASS-317-31 US-PATENT-3,448,341 NASA-CASE-ERC-10552
N71-11253* #	c 07	US-PATENT-CLASS-343-779 US-PATENT-3,534,375 NASA-CASE-XMF-01160	N71-12367* #	c 07	US-PATENT-APPL-SN-584067 US-PATENT-CLASS-178-88 US-PATENT-3,491,202	N71-12367* #	c 01	US-PATENT-APPL-SN-720125 US-PATENT-CLASS-178-7 7 US-PATENT-3,535,446
N71-11254* #	c 07	US-PATENT-APPL-SN-310507 US-PATENT-CLASS-340-198 US-PATENT-3,243,791	N71-12368* #	c 07	NASA-CASE-GSC-10452 US-PATENT-APPL-SN-797794 US-PATENT-CLASS-343-776	N71-12368* #	c 01	US-PATENT-CLASS-313-110 US-PATENT-3,493,805 NASA-CASE-MSC-12135-1
N71-11255* #	c 07	US-PATENT-CLASS-343-6 5 US-PATENT-3,447,154 NASA-CASE-FRC-10063	N71-12369* #	c 07	US-PATENT-CLASS-343-776 US-PATENT-3,495,262 NASA-CASE-XGS-04767	N71-12369* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
N71-11256* #	c 02	US-PATENT-APPL-SN-21263 NASA-CASE-XLA-04451 US-PATENT-APPL-SN-457876	N71-12370* #	c 07	US-PATENT-APPL-SN-645584 US-PATENT-CLASS-307-296 US-PATENT-3,535,560	N71-12370* #	c 01	US-PATENT-CLASS-317-31 US-PATENT-3,448,341 NASA-CASE-ERC-10552
N71-11257* #	c 02	US-PATENT-CLASS-244-45 US-PATENT-3,310,262 NASA-CASE-NPO-10404	N71-12371* #	c 08	US-PATENT-CLASS-307-296 US-PATENT-3,535,560 NASA-CASE-XNP-07040	N71-12371* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
N71-11258* #	c 03	US-PATENT-APPL-SN-728234	N71-12372* #	c 08	US-PATENT-APPL-SN-649357 US-PATENT-CLASS-332-31 US-PATENT-3,535,658	N71-12372* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
			N71-12373* #	c 08	NASA-CASE-XLA-00670 US-PATENT-APPL-SN-235162 US-PATENT-CLASS-340-347	N71-12373* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
			N71-12374* #	c 08	US-PATENT-3,251,053 NASA-CASE-NPO-10112 US-PATENT-APPL-SN-673226	N71-12374* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
			N71-12375* #	c 08	US-PATENT-CLASS-340-172 5 US-PATENT-3,533,074 NASA-CASE-NPO-10351	N71-12375* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
			N71-12376* #	c 08	US-PATENT-APPL-SN-712065 US-PATENT-CLASS-328-37 US-PATENT-3,535,642	N71-12376* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
			N71-12377* #	c 08	NASA-CASE-XMF-05835 US-PATENT-APPL-SN-627257 US-PATENT-CLASS-340-174	N71-12377* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
			N71-12378* #	c 08	US-PATENT-CLASS-340-174 US-PATENT-3,493,942 NASA-CASE-XNP-05415	N71-12378* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348
			N71-12379* #	c 08	US-PATENT-APPL-SN-578932	N71-12379* #	c 01	US-PATENT-CLASS-315-160 US-PATENT-3,271,620 NASA-CASE-NPO-10348

		US-PATENT-CLASS-317-258			US-PATENT-CLASS-350-3 5			US-PATENT-CLASS-60-35 6
N71-13530* #	c 09	US-PATENT-3,535,602			US-PATENT-3,535,013			US-PATENT-3,270,503
		NASA-CASE-XNP-00384	N71-15562* #	c 25	NASA-CASE-XLA-03374	N71-15625* #	c 33	NASA-CASE-XLE-01399
		US-PATENT-APPL-SN-180392			US-PATENT-APPL-SN-793770			US-PATENT-APPL-SN-320233
		US-PATENT-CLASS-324-132			US-PATENT-CLASS-315-111			US-PATENT-CLASS-13-26
		US-PATENT-3,263,171			US-PATENT-3,535,586			US-PATENT-3,263,016
N71-13531* #	c 09	NASA-CASE-MS-12039-1	N71-15563* #	c 28	NASA-CASE-XLA-02865	N71-15634* #	c 27	NASA-CASE-XLE-01988
		US-PATENT-APPL-SN-602828			US-PATENT-APPL-SN-416946			US-PATENT-APPL-SN-308918
		US-PATENT-CLASS-330-11			US-PATENT-CLASS-244-53			US-PATENT-CLASS-60-35 6
		US-PATENT-3,526,845			US-PATENT-3,270,990			US-PATENT-3,258,912
N71-13537* #	c 10	NASA-CASE-XNP-08274	N71-15565* #	c 16	NASA-CASE-MFS-20074	N71-15635* #	c 27	NASA-CASE-XLE-01182
		US-PATENT-APPL-SN-730703			US-PATENT-APPL-SN-801312			US-PATENT-APPL-SN-411949
		US-PATENT-CLASS-73-382			US-PATENT-CLASS-350-3 5			US-PATENT-CLASS-60-39 46
		US-PATENT-3,520,190			US-PATENT-3,535,014			US-PATENT-3,258,918
N71-13545* #	c 10	NASA-CASE-LAR-10774	N71-15566* #	c 31	NASA-CASE-XKS-08012-2	N71-15637* #	c 31	NASA-CASE-XLE-01640
		US-PATENT-APPL-SN-802820			US-PATENT-APPL-SN-874958			US-PATENT-APPL-SN-473535
		US-PATENT-CLASS-73-1			US-PATENT-CLASS-340-172 5			US-PATENT-CLASS-60-35 6
		US-PATENT-3,534,584			US-PATENT-3,535,683			US-PATENT-3,270,504
N71-13789* #	c 15	NASA-CASE-XLA-01141	N71-15567* #	c 16	NASA-CASE-ERC-10017	N71-15641* #	c 33	NASA-CASE-XNP-09802
		US-PATENT-APPL-SN-353632			US-PATENT-APPL-SN-677506			US-PATENT-APPL-SN-673229
		US-PATENT-CLASS-102-49			US-PATENT-CLASS-350-3 5			US-PATENT-CLASS-73-190
		US-PATENT-3,263,610			US-PATENT-3,535,012			US-PATENT-3,531,989
N71-13958* #	c 21	NASA-CASE-GSC-10087-2	N71-15568* #	c 33	NASA-CASE-XLE-09475-1	N71-15642* #	c 21	NASA-CASE-XGS-03431
		US-PATENT-APPL-SN-701744			US-PATENT-APPL-SN-710945			US-PATENT-APPL-SN-588635
		US-PATENT-CLASS-343-112			US-PATENT-CLASS-136-228			US-PATENT-CLASS-250-203
		US-PATENT-3,495,260			US-PATENT-3,535,165			US-PATENT-3,488,504
N71-14014* #	c 18	NASA-CASE-GSC-10072	N71-15571* #	c 15	NASA-CASE-XLA-07911	N71-15643* #	c 31	NASA-CASE-NPO-10311
		US-PATENT-APPL-SN-686296			US-PATENT-APPL-SN-660572			US-PATENT-APPL-SN-725475
		US-PATENT-CLASS-106-15			US-PATENT-CLASS-33-207			US-PATENT-CLASS-73-116
		US-PATENT-3,493,401			US-PATENT-3,492,739			US-PATENT-3,534,597
N71-14032* #	c 33	NASA-CASE-XLE-05913	N71-15582* #	c 21	NASA-CASE-XLA-01163	N71-15644* #	c 17	NASA-CASE-XLE-00726
		US-PATENT-APPL-SN-551933			US-PATENT-APPL-SN-405632			US-PATENT-APPL-SN-355126
		US-PATENT-CLASS-117-106			US-PATENT-CLASS-60-35 55			US-PATENT-CLASS-75-170
		US-PATENT-3,490,939			US-PATENT-3,270,505			US-PATENT-3,271,140
N71-14035* #	c 33	NASA-CASE-XLE-03307	N71-15583* #	c 21	NASA-CASE-XMF-01598	N71-15647* #	c 31	NASA-CASE-XGS-01143
		US-PATENT-APPL-SN-613979			US-PATENT-APPL-SN-333770			US-PATENT-APPL-SN-349781
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-244-1			US-PATENT-CLASS-60-35 6
		US-PATENT-3,490,718			US-PATENT-3,270,985			US-PATENT-3,270,501
N71-14043* #	c 28	NASA-CASE-XLE-01124	N71-15597* #	c 15	NASA-CASE-XLE-08917	N71-15658* #	c 28	NASA-CASE-XLE-00409
		US-PATENT-APPL-SN-312269			US-PATENT-APPL-SN-662829			US-PATENT-APPL-SN-249539
		US-PATENT-CLASS-60-35 5			US-PATENT-CLASS-113-116			US-PATENT-CLASS-29-157
		US-PATENT-3,238,715			US-PATENT-3,490,405			US-PATENT-3,254,395
N71-14044* #	c 28	NASA-CASE-XGS-08729	N71-15598* #	c 14	NASA-CASE-XAC-00812	N71-15659* #	c 28	NASA-CASE-XLE-05689
		US-PATENT-APPL-SN-667637			US-PATENT-APPL-SN-255132			US-PATENT-APPL-SN-491845
		US-PATENT-CLASS-60-200			US-PATENT-CLASS-73-341			US-PATENT-CLASS-60-35 60
		US-PATENT-3,490,235			US-PATENT-3,238,777			US-PATENT-3,254,487
N71-14058* #	c 28	NASA-CASE-MS-12139-1	N71-15599* #	c 14	NASA-CASE-XNP-04161	N71-15660* #	c 28	NASA-CASE-XMF-00968
		US-PATENT-APPL-SN-797796			US-PATENT-APPL-SN-568356			US-PATENT-APPL-SN-339825
		US-PATENT-CLASS-103-37			US-PATENT-CLASS-250-83 3			US-PATENT-CLASS-60-35 6
		US-PATENT-3,492,947			US-PATENT-3,444,375			US-PATENT-3,270,499
N71-14090* #	c 27	NASA-CASE-LAR-10173-1	N71-15600* #	c 14	NASA-CASE-XKS-06250	N71-15661* #	c 28	NASA-CASE-XLE-02066
		US-PATENT-APPL-SN-758942			US-PATENT-APPL-SN-649075			US-PATENT-APPL-SN-426455
		US-PATENT-CLASS-149-19			US-PATENT-CLASS-73-97			US-PATENT-CLASS-60-35 5
		US-PATENT-3,492,176			US-PATENT-3,492,862			US-PATENT-3,262,262
N71-14132* #	c 21	NASA-CASE-XLA-05464	N71-15604* #	c 14	NASA-CASE-NPO-10337	N71-15663* #	c 31	NASA-CASE-XLA-00256
		US-PATENT-APPL-SN-656995			US-PATENT-APPL-SN-714296			US-PATENT-APPL-SN-333766
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-350-58			US-PATENT-CLASS-244-1
		US-PATENT-3,493,194			US-PATENT-3,488,103			US-PATENT-3,262,655
N71-14159* #	c 21	NASA-CASE-XGS-04393	N71-15605* #	c 14	NASA-CASE-GSC-10062	N71-15664* #	c 31	NASA-CASE-XLA-01332
		US-PATENT-APPL-SN-700142			US-PATENT-APPL-SN-658955			US-PATENT-APPL-SN-250974
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-350-285			US-PATENT-CLASS-220-15
		US-PATENT-3,490,719			US-PATENT-3,493,294			US-PATENT-3,270,908
N71-14354* #	c 26	NASA-CASE-ERC-10138	N71-15606* #	c 15	NASA-CASE-XNP-06031	N71-15673* #	c 23	NASA-CASE-XMS-01620
		US-PATENT-APPL-SN-821586			US-PATENT-APPL-SN-590144			US-PATENT-APPL-SN-357340
		US-PATENT-CLASS-225-2			US-PATENT-CLASS-250-52			US-PATENT-CLASS-248-358
		US-PATENT-3,493,155			US-PATENT-3,493,746			US-PATENT-3,243,154
N71-14932* #	c 15	NASA-CASE-LEW-11531	N71-15607* #	c 15	NASA-CASE-XMF-03287	N71-15674* #	c 31	NASA-CASE-XLA-03691
		US-PATENT-APPL-SN-643332			US-PATENT-APPL-SN-658956			US-PATENT-APPL-SN-667625
		US-PATENT-CLASS-219-72			US-PATENT-CLASS-228-7			US-PATENT-CLASS-244-1
		US-PATENT-3,493,711			US-PATENT-3,443,732			US-PATENT-3,534,924
N71-14996* #	c 14	NASA-CASE-XLA-00936	N71-15608* #	c 15	NASA-CASE-NPO-10117	N71-15675* #	c 31	NASA-CASE-XMF-03169
		US-PATENT-APPL-SN-282818			US-PATENT-APPL-SN-668238			US-PATENT-APPL-SN-375405
		US-PATENT-CLASS-73-170			US-PATENT-CLASS-138-42			US-PATENT-CLASS-89-1 5
		US-PATENT-3,238,774			US-PATENT-3,493,012			US-PATENT-3,262,365
N71-15467* #	c 23	NASA-CASE-XNP-03796	N71-15609* #	c 15	NASA-CASE-XMF-04709	N71-15676* #	c 31	NASA-CASE-XGS-05579
		US-PATENT-APPL-SN-453231			US-PATENT-APPL-SN-683507			US-PATENT-APPL-SN-719869
		US-PATENT-CLASS-62-6			US-PATENT-CLASS-137-81 5			US-PATENT-CLASS-244-1
		US-PATENT-3,260,055			US-PATENT-3,493,003			US-PATENT-3,534,925
N71-15468* #	c 17	NASA-CASE-LEW-10393-1	N71-15610* #	c 15	NASA-CASE-XLE-01604-2	N71-15687* #	c 31	NASA-CASE-XLA-05369
		US-PATENT-APPL-SN-644799			US-PATENT-APPL-SN-683613			US-PATENT-APPL-SN-765123
		US-PATENT-CLASS-75-202			US-PATENT-CLASS-117-50			US-PATENT-CLASS-102-49 5
		US-PATENT-3,535,110			US-PATENT-3,493,415			US-PATENT-3,534,686
N71-15469* #	c 18	NASA-CASE-ARC-10099-1	N71-15620* #	c 14	NASA-CASE-XLA-01926	N71-15688* #	c 18	NASA-CASE-XNP-03459-2
		US-PATENT-APPL-SN-704224			US-PATENT-APPL-SN-784521			US-PATENT-APPL-SN-681942
		US-PATENT-CLASS-106-15			US-PATENT-CLASS-340-57			US-PATENT-CLASS-260-404 5
		US-PATENT-3,535,130			US-PATENT-3,491,335			US-PATENT-3,535,352
N71-15545* #	c 18	NASA-CASE-XMS-09691-1	N71-15621* #	c 14	NASA-CASE-XNP-09572	N71-15689* #	c 31	NASA-CASE-MFS-14685
		US-PATENT-APPL-SN-738119			US-PATENT-APPL-SN-660841			US-PATENT-APPL-SN-752947
		US-PATENT-CLASS-8-94 12			US-PATENT-CLASS-35-10 2			US-PATENT-CLASS-180-118
		US-PATENT-3,526,473			US-PATENT-3,493,665			US-PATENT-CLASS-180-121
N71-15550* #	c 16	NASA-CASE-XNP-05219	N71-15622* #	c 14	NASA-CASE-XNP-04111	N71-15692* #	c 31	US-PATENT-3,534,826
		US-PATENT-APPL-SN-336103			US-PATENT-APPL-SN-560969			NASA-CASE-XLA-01339
		US-PATENT-CLASS-330-4			US-PATENT-CLASS-350-213			US-PATENT-APPL-SN-373591
		US-PATENT-3,299,364			US-PATENT-3,493,291			US-PATENT-CLASS-102-49
N71-15551* #	c 16	NASA-CASE-ERC-10019	N71-15623* #	c 33	NASA-CASE-XMS-01816	N71-15697* #	c 15	US-PATENT-3,260,204
		US-PATENT-APPL-SN-677508			US-PATENT-APPL-SN-425364			NASA-CASE-XMF-02039

		US-PATENT-APPL-SN-434143			US-PATENT-APPL-SN-304749			US-PATENT-APPL-SN-701732
		US-PATENT-CLASS-219-131			US-PATENT-CLASS-35-29			US-PATENT-CLASS-250-41 9
N71-15906*	c 15	US-PATENT-3,271,558	N71-16030*	c 10	US-PATENT-3,270,441	N71-16098*	c 23	US-PATENT-3,532,880
		NASA-CASE-XNP-00920			NASA-CASE-XMF-01096			NASA-CASE-XAC-03107
		US-PATENT-APPL-SN-329331			US-PATENT-APPL-SN-307270			US-PATENT-APPL-SN-538168
		US-PATENT-CLASS-62-2			US-PATENT-CLASS-318-376			US-PATENT-CLASS-73-505
N71-15907*	c 07	US-PATENT-3,270,512	N71-16031*	c 12	US-PATENT-3,271,649	N71-16099*	c 23	US-PATENT-3,455,171
		NASA-CASE-XNP-01057			NASA-CASE-XMS-01445			NASA-CASE-XGS-07514
		US-PATENT-APPL-SN-301683			US-PATENT-APPL-SN-385526			US-PATENT-APPL-SN-640453
		US-PATENT-CLASS-343-786			US-PATENT-CLASS-137-615			US-PATENT-CLASS-328-1
N71-15908*	c 08	US-PATENT-3,305,870	N71-16037*	c 26	US-PATENT-3,308,848	N71-16100*	c 23	US-PATENT-3,509,469
		NASA-CASE-XLA-02705			NASA-CASE-XGS-05718			NASA-CASE-XGS-05715
		US-PATENT-APPL-SN-473537			US-PATENT-APPL-SN-584071			US-PATENT-APPL-SN-668257
		US-PATENT-CLASS-129-16 7			US-PATENT-CLASS-29-472 9			US-PATENT-CLASS-250-233
		US-PATENT-3,310,054			US-PATENT-3,452,423			US-PATENT-3,532,894
N71-15909*	c 10	NASA-CASE-XAC-03777	N71-16042*	c 10	NASA-CASE-XAC-00942	N71-16101*	c 23	NASA-CASE-XNP-08883
		US-PATENT-APPL-SN-484489			US-PATENT-APPL-SN-310506			US-PATENT-APPL-SN-617021
		US-PATENT-CLASS-200-6			US-PATENT-CLASS-307-88 5			US-PATENT-CLASS-356-117
		US-PATENT-3,283,088			US-PATENT-3,277,314			US-PATENT-3,520,617
N71-15910*	c 10	NASA-CASE-XGS-00823	N71-16044*	c 17	NASA-CASE-XGS-06306	N71-16102*	c 31	NASA-CASE-XGS-09190
		US-PATENT-APPL-SN-336607			US-PATENT-APPL-SN-685473			US-PATENT-APPL-SN-647298
		US-PATENT-CLASS-307-88 5			US-PATENT-CLASS-156-3			US-PATENT-CLASS-343-915
		US-PATENT-3,283,175			US-PATENT-3,532,568			US-PATENT-3,521,290
N71-15918*	c 15	NASA-CASE-XMS-02383	N71-16046*	c 18	NASA-CASE-GSC-10007	N71-16103*	c 32	NASA-CASE-LAR-10317-1
		US-PATENT-APPL-SN-299042			US-PATENT-APPL-SN-627599			US-PATENT-APPL-SN-739927
		US-PATENT-CLASS-140-123			US-PATENT-CLASS-117-201			US-PATENT-CLASS-137-582
		US-PATENT-3,299,913			US-PATENT-3,532,538			US-PATENT-3,508,578
N71-15922*	c 15	NASA-CASE-XGS-01971	N71-16052*	c 15	NASA-CASE-XLE-02999	N71-16104*	c 33	NASA-CASE-XLE-00785
		US-PATENT-APPL-SN-353645			US-PATENT-APPL-SN-431235			US-PATENT-APPL-SN-666554
		US-PATENT-CLASS-85-33			US-PATENT-CLASS-29-148 4			US-PATENT-CLASS-60-108
		US-PATENT-3,262,351			US-PATENT-3,262,186			US-PATENT-3,508,402
N71-15925*	c 11	NASA-CASE-XLA-00378	N71-16057*	c 10	NASA-CASE-XNP-01193	N71-16105*	c 18	NASA-CASE-XLE-08511-2
		US-PATENT-APPL-SN-266107			US-PATENT-APPL-SN-366226			US-PATENT-APPL-SN-711921
		US-PATENT-CLASS-219-10 49			US-PATENT-CLASS-324-57			US-PATENT-CLASS-117-119
		US-PATENT-3,238,345			US-PATENT-3,277,366			US-PATENT-3,508,955
N71-15926*	c 11	NASA-CASE-XLA-00939	N71-16058*	c 10	NASA-CASE-XMF-01097	N71-16106*	c 32	NASA-CASE-XLA-04605
		US-PATENT-APPL-SN-309354			US-PATENT-APPL-SN-290873			US-PATENT-APPL-SN-619519
		US-PATENT-CLASS-73-147			US-PATENT-CLASS-340-227			US-PATENT-CLASS-137-582
		US-PATENT-3,276,251			US-PATENT-3,277,458			US-PATENT-3,443,584
N71-15960*	c 11	NASA-CASE-XAC-00731	N71-16073*	c 25	NASA-CASE-XAC-05695	N71-16124*	c 18	NASA-CASE-XMF-05279
		US-PATENT-APPL-SN-232318			US-PATENT-APPL-SN-634038			US-PATENT-APPL-SN-617774
		US-PATENT-CLASS-220-89			US-PATENT-CLASS-324-34			US-PATENT-CLASS-106-88
		US-PATENT-3,145,874			US-PATENT-3,517,302			US-PATENT-3,508,940
N71-15962*	c 14	NASA-CASE-XGS-01587	N71-16075*	c 15	NASA-CASE-XLA-00284	N71-16210*	c 18	NASA-CASE-XNP-08837
		US-PATENT-APPL-SN-298799			US-PATENT-APPL-SN-240760			US-PATENT-APPL-SN-691736
		US-PATENT-CLASS-324-43			US-PATENT-CLASS-117-69			US-PATENT-CLASS-204-20
		US-PATENT-3,258,687			US-PATENT-3,264,135			US-PATENT-3,526,580
N71-15966*	c 15	NASA-CASE-XLE-00953	N71-16076*	c 15	NASA-CASE-XLE-00106	N71-16212*	c 23	NASA-CASE-NPO-10250
		US-PATENT-APPL-SN-336320			US-PATENT-APPL-SN-629759			US-PATENT-APPL-SN-736848
		US-PATENT-CLASS-22-200			US-PATENT-CLASS-25-156			US-PATENT-CLASS-149-1
		US-PATENT-3,237,253			US-PATENT-2,944,316			US-PATENT-3,516,879
N71-15967*	c 15	NASA-CASE-XLE-00703	N71-16077*	c 15	NASA-CASE-XLA-00302	N71-16213*	c 24	NASA-CASE-XGS-06628
		US-PATENT-APPL-SN-271822			US-PATENT-APPL-SN-284266			US-PATENT-APPL-SN-665680
		US-PATENT-CLASS-137-13			US-PATENT-CLASS-117-46			US-PATENT-CLASS-315-111
		US-PATENT-3,270,756			US-PATENT-3,271,181			US-PATENT-3,509,419
N71-15968*	c 15	NASA-CASE-XLE-00586	N71-16078*	c 15	NASA-CASE-XGS-00824	N71-16221*	c 31	NASA-CASE-XLA-05906
		US-PATENT-APPL-SN-317391			US-PATENT-APPL-SN-379072			US-PATENT-APPL-SN-777766
		US-PATENT-CLASS-55-160			US-PATENT-CLASS-89-1			US-PATENT-CLASS-73-432
		US-PATENT-3,257,780			US-PATENT-3,309,961			US-PATENT-3,526,139
N71-15969*	c 14	NASA-CASE-XMF-01099	N71-16079*	c 15	NASA-CASE-XLA-00415	N71-16222*	c 31	NASA-CASE-MFS-11133
		US-PATENT-APPL-SN-73367			US-PATENT-APPL-SN-314074			US-PATENT-APPL-SN-693419
		US-PATENT-CLASS-73-517			US-PATENT-CLASS-233-11			US-PATENT-CLASS-244-1
		US-PATENT-3,261,210			US-PATENT-3,276,679			US-PATENT-3,508,723
N71-15974*	c 32	NASA-CASE-XMS-06782	N71-16080*	c 31	NASA-CASE-MS-12049	N71-16223*	c 27	NASA-CASE-MFS-12750
		US-PATENT-APPL-SN-691739			US-PATENT-APPL-SN-693420			US-PATENT-APPL-SN-806149
		US-PATENT-CLASS-338-5			US-PATENT-CLASS-52-3			US-PATENT-CLASS-73-432
		US-PATENT-3,464,049			US-PATENT-3,465,482			US-PATENT-3,526,140
N71-15978*	c 23	NASA-CASE-XGS-00373	N71-16081*	c 31	NASA-CASE-XGS-03351	N71-16224*	c 28	NASA-CASE-MFS-11497
		US-PATENT-APPL-SN-105518			US-PATENT-APPL-SN-472747			US-PATENT-APPL-SN-730733
		US-PATENT-CLASS-161-189			US-PATENT-CLASS-244-31			US-PATENT-CLASS-239-265 43
		US-PATENT-3,276,946			US-PATENT-3,276,726			US-PATENT-3,526,365
N71-15986*	c 15	NASA-CASE-XMF-03498	N71-16085*	c 31	NASA-CASE-XLA-09881	N71-16277*	c 33	NASA-CASE-XMS-04268
		US-PATENT-APPL-SN-396443			US-PATENT-APPL-SN-710562			US-PATENT-APPL-SN-516160
		US-PATENT-CLASS-29-155 55			US-PATENT-CLASS-244-138			US-PATENT-CLASS-165-133
		US-PATENT-3,258,831			US-PATENT-3,520,503			US-PATENT-3,502,141
N71-15990*	c 30	NASA-CASE-XAC-08494	N71-16086*	c 09	NASA-CASE-XLE-02038	N71-16278*	c 33	NASA-CASE-XMF-04237
		US-PATENT-APPL-SN-690998			US-PATENT-APPL-SN-349782			US-PATENT-APPL-SN-539237
		US-PATENT-CLASS-356-74			US-PATENT-CLASS-73-147			US-PATENT-CLASS-219-364
		US-PATENT-3,532,428			US-PATENT-3,273,388			US-PATENT-3,517,162
N71-15992*	c 14	NASA-CASE-XGS-01052	N71-16087*	c 02	NASA-CASE-XAC-02058	N71-16281*	c 20	NASA-CASE-XLA-02081
		US-PATENT-APPL-SN-314572			US-PATENT-APPL-SN-342572			US-PATENT-APPL-SN-522795
		US-PATENT-CLASS-73-15			US-PATENT-CLASS-244-1			US-PATENT-CLASS-73-189
		US-PATENT-3,242,716			US-PATENT-3,276,722			US-PATENT-3,507,150
N71-16014*	c 14	NASA-CASE-XLE-00820	N71-16088*	c 07	NASA-CASE-XGS-01022	N71-16340*	c 20	NASA-CASE-XMF-14032
		US-PATENT-APPL-SN-228569			US-PATENT-APPL-SN-331323			US-PATENT-APPL-SN-679862
		US-PATENT-CLASS-324-32			US-PATENT-CLASS-325-4			US-PATENT-CLASS-250-209
		US-PATENT-3,283,241			US-PATENT-3,277,373			US-PATENT-3,501,641
N71-16025* #	c 17	NASA-CASE-XLE-02991	N71-16089*	c 09	NASA-CASE-XAC-02405	N71-16341*	c 23	NASA-CASE-XGS-05291
		US-PATENT-APPL-SN-375401			US-PATENT-APPL-SN-433821			US-PATENT-APPL-SN-553891
		US-PATENT-CLASS-75-170			US-PATENT-CLASS-200-6			US-PATENT-CLASS-356-209
		US-PATENT-3,276,865			US-PATENT-3,271,532			US-PATENT-3,504,983
N71-16026*	c 17	NASA-CASE-XLE-02082	N71-16090*	c 30	NASA-CASE-GSC-10083-1	N71-16345*	c 31	NASA-CASE-XMF-05344
		US-PATENT-APPL-SN-360180			US-PATENT-APPL-SN-641431			US-PATENT-APPL-SN-702396
		US-PATENT-CLASS-75-171			US-PATENT-CLASS-343-6			US-PATENT-CLASS-244-1
		US-PATENT-3,276,866			US-PATENT-3,471,856			US-PATENT-3,520,496
N71-16028*	c 11	NASA-CASE-XLA-01787	N71-16095*	c 24	NASA-CASE-XAC-05506-1	N71-16346*	c 31	NASA-CASE-XMS-03613

		US-PATENT-APPL-SN-802816		US-PATENT-APPL-SN-270118	N71-17685*	c 15	NASA-CASE-NPO-10034
		US-PATENT-CLASS-244-1		US-PATENT-CLASS-230-162			US-PATENT-APPL-SN-668241
N71-16348*	c 27	US-PATENT-3,526,372	N71-17626*	US-PATENT-3,309,012			US-PATENT-CLASS-339-17
		NASA-CASE-MSC-12280		NASA-CASE-LAR-10274-1	N71-17686*	c 15	US-PATENT-3,464,051
		US-PATENT-APPL-SN-372648		US-PATENT-APPL-SN-717052			NASA-CASE-MFS-20586
		US-PATENT-CLASS-250-43 5		US-PATENT-CLASS-188-1			US-PATENT-APPL-SN-688868
N71-16355*	c 23	US-PATENT-3,501,632	N71-17627*	US-PATENT-3,491,857			US-PATENT-CLASS-29-428
		NASA-CASE-XGS-05534		NASA-CASE-XGS-03532	N71-17687*	c 15	US-PATENT-3,526,030
		US-PATENT-APPL-SN-578925		US-PATENT-APPL-SN-538913			NASA-CASE-XLA-04143
		US-PATENT-CLASS-23-253		US-PATENT-CLASS-356-106			US-PATENT-APPL-SN-628246
N71-16356*	c 33	US-PATENT-3,520,660	N71-17628*	US-PATENT-3,488,123			US-PATENT-CLASS-156-510
		NASA-CASE-NPO-10158		NASA-CASE-MFS-10340	N71-17688*	c 15	US-PATENT-3,508,999
		US-PATENT-APPL-SN-730702		US-PATENT-APPL-SN-716734			NASA-CASE-XLE-09527
		US-PATENT-CLASS-73-343		US-PATENT-CLASS-225-1			US-PATENT-APPL-SN-686344
N71-16357*	c 33	US-PATENT-3,526,134	N71-17629*	US-PATENT-3,507,425			US-PATENT-CLASS-29-148 4
		NASA-CASE-NPO-10138		NASA-CASE-XLE-03583	N71-17691*	c 31	US-PATENT-3,500,525
		US-PATENT-APPL-SN-759457		US-PATENT-APPL-SN-400617			NASA-CASE-XLA-00937
		US-PATENT-CLASS-236-1		US-PATENT-CLASS-244-3 22			US-PATENT-APPL-SN-393461
N71-16365*	c 23	US-PATENT-3,526,359	N71-17631*	US-PATENT-3,276,376			US-PATENT-CLASS-244-3 14
		NASA-CASE-XNP-08840		NASA-CASE-NPO-10122	N71-17692*	c 15	US-PATENT-3,310,258
		US-PATENT-APPL-SN-649360		US-PATENT-APPL-SN-710949			NASA-CASE-MFS-14772
		US-PATENT-CLASS-356-36		US-PATENT-CLASS-60-217			US-PATENT-APPL-SN-774151
N71-16392*	c 27	US-PATENT-3,526,460	N71-17645*	US-PATENT-3,534,555			US-PATENT-CLASS-74-63
		NASA-CASE-XNP-09744		NASA-CASE-XNP-01153			US-PATENT-3,529,480
		US-PATENT-APPL-SN-685750		US-PATENT-APPL-SN-336608	N71-17693*	c 15	NASA-CASE-NPO-10064
		US-PATENT-CLASS-60-39 47		US-PATENT-CLASS-73-88			US-PATENT-APPL-SN-668755
N71-16393*	c 17	US-PATENT-3,507,114	N71-17647*	US-PATENT-3,273,381			US-PATENT-CLASS-244-1
		NASA-CASE-NPO-10271		NASA-CASE-XMF-01667	N71-17694*	c 15	US-PATENT-3,501,112
		US-PATENT-APPL-SN-763869		US-PATENT-APPL-SN-577115			NASA-CASE-XNP-08897
		US-PATENT-CLASS-21-207		US-PATENT-CLASS-118-11			US-PATENT-APPL-SN-604050
N71-16428*	c 32	US-PATENT-3,529,928	N71-17648*	US-PATENT-3,502,051			US-PATENT-CLASS-318-22
		NASA-CASE-XLA-03135		NASA-CASE-MSC-12116-1	N71-17696*	c 15	US-PATENT-3,501,683
		US-PATENT-APPL-SN-582171		US-PATENT-APPL-SN-768336			NASA-CASE-XLA-05100
		US-PATENT-CLASS-73-71 4		US-PATENT-CLASS-251-358			US-PATENT-APPL-SN-724551
N71-16894*	c 12	US-PATENT-3,503,251	N71-17649*	US-PATENT-3,508,739			US-PATENT-CLASS-73-103
		NASA-CASE-XLA-02079		NASA-CASE-MFS-11132			US-PATENT-3,487,680
		US-PATENT-APPL-SN-435756		US-PATENT-APPL-SN-744910	N71-17701*	c 14	NASA-CASE-NPO-10144
		US-PATENT-CLASS-188-87		US-PATENT-CLASS-248-360			US-PATENT-APPL-SN-688805
N71-17569*	c 12	US-PATENT-3,310,138	N71-17650*	US-PATENT-3,526,382			US-PATENT-CLASS-73-29
		NASA-CASE-MSC-12084-1		NASA-CASE-XMF-05114	N71-17705*	c 06	US-PATENT-3,534,585
		US-PATENT-APPL-SN-762438		US-PATENT-APPL-SN-637882			NASA-CASE-XGS-05532
		US-PATENT-CLASS-73-204		US-PATENT-CLASS-29-517			US-PATENT-APPL-SN-570093
N71-17573*	c 12	US-PATENT-3,500,686	N71-17651*	US-PATENT-3,507,034			US-PATENT-CLASS-195-99
		NASA-CASE-LAR-10323-1		NASA-CASE-XLE-03803-2	N71-17729*	c 31	US-PATENT-3,423,290
		US-PATENT-APPL-SN-738314		US-PATENT-APPL-SN-669336			NASA-CASE-XAC-01591
		US-PATENT-CLASS-73-45 5		US-PATENT-CLASS-156-172			US-PATENT-APPL-SN-385527
N71-17574*	c 14	US-PATENT-3,516,284	N71-17652*	US-PATENT-3,535,179			US-PATENT-CLASS-244-1
		NASA-CASE-XGS-04993		NASA-CASE-XLE-05079			US-PATENT-3,282,532
		US-PATENT-APPL-SN-577775		US-PATENT-APPL-SN-601228	N71-17730*	c 31	NASA-CASE-XMF-01543
		US-PATENT-CLASS-96-49		US-PATENT-CLASS-310-93			US-PATENT-APPL-SN-402365
N71-17575*	c 14	US-PATENT-3,458,313	N71-17653*	US-PATENT-3,493,797			US-PATENT-CLASS-102-49
		NASA-CASE-XMF-06531		NASA-CASE-ARC-10140-1	N71-17788*	c 30	US-PATENT-3,286,629
		US-PATENT-APPL-SN-732917		US-PATENT-APPL-SN-783379			NASA-CASE-XGS-00783
		US-PATENT-CLASS-204-195		US-PATENT-CLASS-24-211			US-PATENT-APPL-SN-372438
N71-17578*	c 12	US-PATENT-3,509,034	N71-17654*	US-PATENT-CLASS-85-3			US-PATENT-CLASS-73-432
		NASA-CASE-MFS-10412		US-PATENT-3,534,650	N71-17802*	c 23	US-PATENT-3,286,531
		US-PATENT-APPL-SN-701635		NASA-CASE-XNP-09702			NASA-CASE-XLE-00454
		US-PATENT-CLASS-137-81 5		US-PATENT-APPL-SN-730734			US-PATENT-APPL-SN-295855
N71-17579*	c 12	US-PATENT-3,520,317	N71-17655*	US-PATENT-CLASS-239-416			US-PATENT-CLASS-73-295
		NASA-CASE-XLA-07391		US-PATENT-3,534,909	N71-17803*	c 15	US-PATENT-3,273,392
		US-PATENT-APPL-SN-726898		NASA-CASE-NPO-10320			NASA-CASE-XMS-05516
		US-PATENT-CLASS-137-81 5		US-PATENT-APPL-SN-718689			US-PATENT-APPL-SN-563648
N71-17584*	c 14	US-PATENT-3,493,004	N71-17656*	US-PATENT-CLASS-356-106			US-PATENT-CLASS-264-92
		NASA-CASE-XNP-09462		US-PATENT-3,535,041	N71-17805*	c 15	US-PATENT-3,488,414
		US-PATENT-APPL-SN-658957		NASA-CASE-MFS-12827			NASA-CASE-MFS-12805
		US-PATENT-CLASS-73-57		US-PATENT-APPL-SN-742816			US-PATENT-APPL-SN-758082
N71-17585*	c 14	US-PATENT-3,500,677	N71-17657*	US-PATENT-CLASS-73-88 5			US-PATENT-CLASS-192-43 1
		NASA-CASE-XGS-05680		US-PATENT-3,534,592			US-PATENT-CLASS-61-63 1
		US-PATENT-APPL-SN-656953		NASA-CASE-XNP-09205	N71-17818*	c 26	US-PATENT-3,534,836
		US-PATENT-CLASS-318-138		US-PATENT-APPL-SN-768473			NASA-CASE-XMF-01016
N71-17586*	c 14	US-PATENT-3,501,664	N71-17658*	US-PATENT-CLASS-33-149			US-PATENT-APPL-SN-326299
		NASA-CASE-XLA-08646		US-PATENT-3,534,479			US-PATENT-CLASS-264-27
		US-PATENT-APPL-SN-677476		NASA-CASE-XMF-04966	N71-17822*	c 15	US-PATENT-3,274,304
		US-PATENT-CLASS-73-105		US-PATENT-APPL-SN-727480			NASA-CASE-ARC-10009-1
N71-17587*	c 14	US-PATENT-3,534,596	N71-17659*	US-PATENT-CLASS-33-174			US-PATENT-APPL-SN-714595
		NASA-CASE-XMF-05844		US-PATENT-3,534,480			US-PATENT-CLASS-324-58 5
		US-PATENT-APPL-SN-706564		NASA-CASE-XMF-02964	N71-17897*	c 33	US-PATENT-3,532,973
		US-PATENT-CLASS-73-382		US-PATENT-APPL-SN-493942			NASA-CASE-XLA-00892
N71-17588*	c 14	US-PATENT-3,500,688	N71-17661*	US-PATENT-CLASS-73-15 4			US-PATENT-APPL-SN-245941
		NASA-CASE-MFS-12806		US-PATENT-3,465,569			US-PATENT-CLASS-62-467
		US-PATENT-APPL-SN-686933		NASA-CASE-NPO-10298	N71-18064*	c 26	US-PATENT-3,273,355
		US-PATENT-CLASS-55-179		US-PATENT-APPL-SN-745852			NASA-CASE-XNP-01328
N71-17599*	c 05	US-PATENT-3,490,205	N71-17662*	US-PATENT-CLASS-137-341			US-PATENT-APPL-SN-296879
		NASA-CASE-MSC-12206-1		US-PATENT-3,534,765			US-PATENT-CLASS-317-234
		US-PATENT-APPL-SN-856258		NASA-CASE-NPO-10300	N71-18132*	c 15	US-PATENT-3,271,637
		US-PATENT-CLASS-128-142 5		US-PATENT-APPL-SN-718769			NASA-CASE-MFS-13686
N71-17600*	c 11	US-PATENT-3,516,404	N71-17679*	US-PATENT-CLASS-350-285			US-PATENT-APPL-SN-716183
		NASA-CASE-MFS-12915		US-PATENT-3,535,024			US-PATENT-CLASS-73-67 2
		US-PATENT-APPL-SN-694340		NASA-CASE-XNP-02507	N71-18465*	c 14	US-PATENT-3,531,982
		US-PATENT-CLASS-220-89		US-PATENT-APPL-SN-475299			NASA-CASE-NPO-10174
N71-17609*	c 32	US-PATENT-3,469,734	N71-17680*	US-PATENT-CLASS-244-1			US-PATENT-APPL-SN-690163
		NASA-CASE-XLA-02332		US-PATENT-3,310,256			US-PATENT-CLASS-95-11
		US-PATENT-APPL-SN-388024		NASA-CASE-XLA-00117	N71-18481*	c 14	US-PATENT-3,520,238
		US-PATENT-CLASS-212-11		US-PATENT-APPL-SN-835153			NASA-CASE-XLA-02758
N71-17610*	c 33	US-PATENT-3,276,602		US-PATENT-CLASS-220-1			US-PATENT-APPL-SN-759665
		NASA-CASE-XLA-00377		US-PATENT-2,996,212			US-PATENT-CLASS-73-4

N71-18482*	c 14	US-PATENT-3,531,978 NASA-CASE-XLA-07424 US-PATENT-APPL-SN-635326 US-PATENT-CLASS-313-7 US-PATENT-3,466,484	N71-18699*	c 14	US-PATENT-3,507,706 NASA-CASE-XLA-03273 US-PATENT-APPL-SN-487352 US-PATENT-CLASS-250-83 3 US-PATENT-3,458,702	N71-19433*	c 07	US-PATENT-3,517,318 NASA-CASE-MFS-13046 US-PATENT-APPL-SN-673228 US-PATENT-CLASS-178-6 US-PATENT-3,532,807
N71-18483*	c 14	NASA-CASE-XER-09519 US-PATENT-APPL-SN-676375 US-PATENT-CLASS-55-208 US-PATENT-3,469,375	N71-18701*	c 15	NASA-CASE-XMF-07587 US-PATENT-APPL-SN-649359 US-PATENT-CLASS-317-122 US-PATENT-3,448,346	N71-19435*	c 08	NASA-CASE-XGS-02612 US-PATENT-APPL-SN-502743 US-PATENT-CLASS-340-347 US-PATENT-3,509,558
N71-18578*	c 11	NASA-CASE-XAC-05902 US-PATENT-APPL-SN-662828 US-PATENT-CLASS-89-8 US-PATENT-3,465,638	N71-18720*	c 09	NASA-CASE-MSC-12101 US-PATENT-APPL-SN-763705 US-PATENT-CLASS-343-718 US-PATENT-3,509,570	N71-19436*	c 07	NASA-CASE-XMF-09422 US-PATENT-APPL-SN-783378 US-PATENT-CLASS-174-35 US-PATENT-3,517,109
N71-18579*	c 15	NASA-CASE-XGS-04175 US-PATENT-APPL-SN-606464 US-PATENT-CLASS-72-364 US-PATENT-3,465,567	N71-18721*	c 09	NASA-CASE-XER-07894 US-PATENT-APPL-SN-644444 US-PATENT-CLASS-331-107 US-PATENT-3,509,491	N71-19437*	c 08	NASA-CASE-XGS-04768 US-PATENT-APPL-SN-598119 US-PATENT-CLASS-235-158 US-PATENT-3,508,039
N71-18580*	c 15	NASA-CASE-XNP-09698 US-PATENT-APPL-SN-698592 US-PATENT-CLASS-138-4 US-PATENT-CLASS-138-45 US-PATENT-CLASS-251-118 US-PATENT-CLASS-251-121 US-PATENT-3,532,128	N71-18722*	c 10	NASA-CASE-ERC-10046 US-PATENT-APPL-SN-793772 US-PATENT-CLASS-343-100 US-PATENT-3,501,764	N71-19438*	c 03	NASA-CASE-XGS-05432 US-PATENT-APPL-SN-549860 US-PATENT-CLASS-320-23 US-PATENT-3,426,263
N71-18594*	c 08	NASA-CASE-XAC-04031 US-PATENT-APPL-SN-538905 US-PATENT-CLASS-340-347 US-PATENT-3,533,098	N71-18723*	c 10	NASA-CASE-XNP-09450 US-PATENT-APPL-SN-640459 US-PATENT-CLASS-307-273 US-PATENT-3,501,649	N71-19439*	c 05	NASA-CASE-XMS-09571 US-PATENT-APPL-SN-678700 US-PATENT-CLASS-165-46 US-PATENT-3,425,487
N71-18595*	c 08	NASA-CASE-XGS-03303 US-PATENT-APPL-SN-520838 US-PATENT-CLASS-340-174 US-PATENT-3,501,752	N71-18724*	c 10	NASA-CASE-XLA-09371 US-PATENT-APPL-SN-568160 US-PATENT-CLASS-318-257 US-PATENT-3,504,258	N71-19440*	c 05	NASA-CASE-XMS-01177 US-PATENT-APPL-SN-516150 US-PATENT-CLASS-250-83 US-PATENT-3,427,454
N71-18598*	c 09	NASA-CASE-NPO-10066 US-PATENT-APPL-SN-681693 US-PATENT-CLASS-343-13 US-PATENT-3,447,155	N71-18751* #	c 08	NASA-CASE-XLA-07732 US-PATENT-APPL-SN-641441 US-PATENT-CLASS-307-216 US-PATENT-3,512,009	N71-19449*	c 09	NASA-CASE-XFR-03107 US-PATENT-APPL-SN-507257 US-PATENT-CLASS-178-6 US-PATENT-3,458,651
N71-18599*	c 09	NASA-CASE-LAR-10372 US-PATENT-APPL-SN-730162 US-PATENT-CLASS-102-70 2 US-PATENT-3,500,747	N71-18752*	c 08	NASA-CASE-XMF-00663 US-PATENT-APPL-SN-205470 US-PATENT-CLASS-321-5 US-PATENT-3,521,143	N71-19466*	c 09	NASA-CASE-XGS-02812 US-PATENT-APPL-SN-502750 US-PATENT-CLASS-330-30 US-PATENT-3,466,560
N71-18600*	c 09	NASA-CASE-MSC-12168-1 US-PATENT-APPL-SN-640154 US-PATENT-CLASS-312-296 US-PATENT-3,447,850	N71-18772*	c 10	NASA-CASE-GSC-10366-1 US-PATENT-APPL-SN-771523 US-PATENT-CLASS-318-138 US-PATENT-3,532,948	N71-19467*	c 10	NASA-CASE-XMF-08665 US-PATENT-APPL-SN-582609 US-PATENT-CLASS-325-63 US-PATENT-3,470,475
N71-18602*	c 08	NASA-CASE-XGS-04766 US-PATENT-APPL-SN-598120 US-PATENT-CLASS-235-175 US-PATENT-3,532,866	N71-18773*	c 11	NASA-CASE-XMF-07488 US-PATENT-APPL-SN-707495 US-PATENT-CLASS-35-12 US-PATENT-3,534,485	N71-19468*	c 10	NASA-CASE-XMS-05605-1 US-PATENT-APPL-SN-764812 US-PATENT-CLASS-178-69 5 US-PATENT-3,532,819
N71-18603*	c 12	NASA-CASE-ERC-10031 US-PATENT-APPL-SN-741461 US-PATENT-CLASS-40-28 US-PATENT-3,516,185	N71-18830*	c 09	NASA-CASE-XAC-10768 US-PATENT-APPL-SN-711970 US-PATENT-CLASS-250-83 US-PATENT-3,508,053	N71-19469*	c 10	NASA-CASE-XNP-00777 US-PATENT-APPL-SN-486573 US-PATENT-CLASS-329-122 US-PATENT-3,517,268
N71-18611*	c 31	NASA-CASE-MFS-20400 US-PATENT-APPL-SN-551694 US-PATENT-CLASS-152-11 US-PATENT-3,493,027	N71-18843*	c 09	NASA-CASE-XNP-03263 US-PATENT-APPL-SN-506908 US-PATENT-CLASS-340-146 1 US-PATENT-3,501,743	N71-19470*	c 09	NASA-CASE-XGS-05289 US-PATENT-APPL-SN-632104 US-PATENT-CLASS-331-113 US-PATENT-3,470,496
N71-18613* #	c 15	NASA-CASE-XNP-02588 US-PATENT-APPL-SN-563644 US-PATENT-CLASS-219-91 US-PATENT-3,466,418	N71-19212*	c 21	NASA-CASE-MFS-20386 US-PATENT-APPL-SN-818349 US-PATENT-CLASS-356-28 US-PATENT-3,532,427	N71-19471*	c 10	NASA-CASE-XLE-03804 US-PATENT-APPL-SN-526631 US-PATENT-CLASS-307-235 US-PATENT-3,463,939
N71-18614* #	c 16	NASA-CASE-XGS-03644 US-PATENT-APPL-SN-505320 US-PATENT-CLASS-331-94 5 US-PATENT-3,517,328	N71-19213*	c 15	NASA-CASE-MFS-14259 US-PATENT-APPL-SN-787410 US-PATENT-CLASS-138-43 US-PATENT-3,536,103	N71-19472*	c 10	NASA-CASE-XAC-04030 US-PATENT-APPL-SN-520839 US-PATENT-CLASS-328-1 US-PATENT-3,464,016
N71-18615*	c 12	NASA-CASE-XNP-09704 US-PATENT-APPL-SN-730701 US-PATENT-CLASS-137-594 US-PATENT-CLASS-138-46 US-PATENT-CLASS-251-127 US-PATENT-CLASS-251-333 US-PATENT-CLASS-251-342 US-PATENT-CLASS-251-61 1 US-PATENT-3,532,118	N71-19214*	c 15	NASA-CASE-MFS-20410 US-PATENT-APPL-SN-819599 US-PATENT-CLASS-244-1 US-PATENT-3,534,926	N71-19479*	c 09	NASA-CASE-XMS-04300 US-PATENT-APPL-SN-516158 US-PATENT-CLASS-350-275 US-PATENT-3,427,093
N71-18616*	c 15	NASA-CASE-XLA-07390 US-PATENT-APPL-SN-665681 US-PATENT-CLASS-72-53 US-PATENT-3,531,964	N71-19287*	c 02	NASA-CASE-GSC-10087-1 US-PATENT-APPL-SN-701679 US-PATENT-CLASS-343-112 US-PATENT-3,534,367	N71-19480*	c 09	NASA-CASE-XFR-05637 US-PATENT-APPL-SN-484855 US-PATENT-CLASS-235-194 US-PATENT-3,423,579
N71-18625*	c 14	NASA-CASE-NPO-10175 US-PATENT-APPL-SN-685787 US-PATENT-CLASS-137-505 12 US-PATENT-3,443,583	N71-19288*	c 08	NASA-CASE-NPO-10068 US-PATENT-APPL-SN-668969 US-PATENT-CLASS-340-172 5 US-PATENT-3,501,750	N71-19485*	c 15	NASA-CASE-MSC-11010 US-PATENT-APPL-SN-605090 US-PATENT-CLASS-251-31 US-PATENT-3,447,774
N71-18692*	c 08	NASA-CASE-MFS-14322 US-PATENT-APPL-SN-646934 US-PATENT-CLASS-328-134 US-PATENT-3,501,701	N71-19417*	c 10	NASA-CASE-XMS-10984-1 US-PATENT-APPL-SN-605095 US-PATENT-CLASS-340-213 1 US-PATENT-3,533,093	N71-19486*	c 15	NASA-CASE-XMF-08522 US-PATENT-APPL-SN-640447 US-PATENT-CLASS-219-121 US-PATENT-3,474,220
N71-18693*	c 08	NASA-CASE-XGS-04765 US-PATENT-APPL-SN-577545 US-PATENT-CLASS-235-156 US-PATENT-3,508,036	N71-19418*	c 10	NASA-CASE-GSC-10041-1 US-PATENT-APPL-SN-684209 US-PATENT-CLASS-331-113 US-PATENT-3,458,833	N71-19489*	c 15	NASA-CASE-XMF-04680 US-PATENT-APPL-SN-634040 US-PATENT-CLASS-33-147 US-PATENT-3,425,131
N71-18694*	c 08	NASA-CASE-NPO-10201 US-PATENT-APPL-SN-691738 US-PATENT-CLASS-340-174 US-PATENT-3,509,551	N71-19420*	c 08	NASA-CASE-XNP-09453 US-PATENT-APPL-SN-640448 US-PATENT-CLASS-226-190 US-PATENT-3,507,436	N71-19493*	c 07	NASA-CASE-XKS-08485 US-PATENT-APPL-SN-649078 US-PATENT-CLASS-343-873 US-PATENT-3,509,578
N71-18698*	c 03	NASA-CASE-NPO-10373 US-PATENT-APPL-SN-718752 US-PATENT-CLASS-136-89	N71-19421*	c 10	NASA-CASE-XLA-08493 US-PATENT-APPL-SN-749148 US-PATENT-CLASS-324-72 US-PATENT-3,532,975	N71-19494*	c 11	NASA-CASE-MFS-10555 US-PATENT-APPL-SN-700984 US-PATENT-CLASS-35-12 US-PATENT-3,516,179
			N71-19431*	c 14	NASA-CASE-XGS-02439 US-PATENT-APPL-SN-487341 US-PATENT-CLASS-324-120 US-PATENT-3,422,352	N71-19516*	c 09	NASA-CASE-XNP-06937 US-PATENT-APPL-SN-640449 US-PATENT-CLASS-330-30 US-PATENT-3,501,712
			N71-19432*	c 08	NASA-CASE-XGS-02440 US-PATENT-APPL-SN-655677 US-PATENT-CLASS-328-42	N71-19544*	c 08	NASA-CASE-XGS-01230 US-PATENT-APPL-SN-356488 US-PATENT-CLASS-340-347

N71-19545*	c 03	US-PATENT-3,474,441 NASA-CASE-NPO-10821 US-PATENT-APPL-SN-670814 US-PATENT-CLASS-136-89 US-PATENT-3,466,198	N71-20439*	c 14	US-PATENT-3,461,721 NASA-CASE-XAC-04886-1 US-PATENT-APPL-SN-574290 US-PATENT-CLASS-73-142 US-PATENT-3,425,272	N71-20742*	c 18	US-PATENT-3,360,980 NASA-CASE-XMS-02952 US-PATENT-APPL-SN-519160 US-PATENT-CLASS-55-158 US-PATENT-3,355,861
N71-19547*	c 10	NASA-CASE-XGS-03058 US-PATENT-APPL-SN-568987 US-PATENT-CLASS-307-289 US-PATENT-3,517,221	N71-20440*	c 15	NASA-CASE-XNP-09770 US-PATENT-APPL-SN-700120 US-PATENT-CLASS-209-10 US-PATENT-3,472,372	N71-20743*	c 17	NASA-CASE-XMF-02786 US-PATENT-APPL-SN-466873 US-PATENT-CLASS-75-142 US-PATENT-3,347,665
N71-19568*	c 14	NASA-CASE-MSC-10966 US-PATENT-APPL-SN-665676 US-PATENT-CLASS-250-203 US-PATENT-3,421,004	N71-20441*	c 15	NASA-CASE-XMS-06329-1 US-PATENT-APPL-SN-688742 US-PATENT-CLASS-73-141 US-PATENT-3,472,069	N71-20747*	c 25	NASA-CASE-XLE-02578 US-PATENT-APPL-SN-469012 US-PATENT-CLASS-313-271 US-PATENT-3,356,885
N71-19569*	c 15	NASA-CASE-XLA-05749 US-PATENT-APPL-SN-621714 US-PATENT-CLASS-137-582 US-PATENT-3,426,791	N71-20442*	c 14	NASA-CASE-MFS-11537 US-PATENT-APPL-SN-636878 US-PATENT-CLASS-23-254 US-PATENT-3,472,629	N71-20782*	c 10	NASA-CASE-XGS-01784 US-PATENT-APPL-SN-396444 US-PATENT-CLASS-250-206 US-PATENT-3,348,053
N71-19570*	c 15	NASA-CASE-XLE-05130-2 US-PATENT-APPL-SN-700586 US-PATENT-CLASS-277-25 US-PATENT-3,466,052	N71-20443*	c 15	NASA-CASE-MFS-07369 US-PATENT-APPL-SN-640462 US-PATENT-CLASS-29-492 US-PATENT-3,473,216	N71-20791*	c 07	NASA-CASE-XNP-05254 US-PATENT-APPL-SN-472372 US-PATENT-CLASS-325-31 US-PATENT-3,350,643
N71-19610*	c 09	NASA-CASE-NPO-10037 US-PATENT-APPL-SN-700987 US-PATENT-CLASS-200-152 US-PATENT-3,470,342	N71-20445*	c 09	NASA-CASE-XNP-09775 US-PATENT-APPL-SN-668247 US-PATENT-CLASS-333-96 US-PATENT-3,474,357	N71-20813*	c 15	NASA-CASE-XMS-02184 US-PATENT-APPL-SN-608247 US-PATENT-CLASS-248-27 US-PATENT-3,361,400
N71-19687*	c 08	NASA-CASE-XNP-04780 US-PATENT-APPL-SN-455477 US-PATENT-CLASS-340-34 US-PATENT-3,430,227	N71-20446*	c 09	NASA-CASE-XLE-04250 US-PATENT-APPL-SN-621098 US-PATENT-CLASS-310-54 US-PATENT-3,447,003	N71-20814*	c 07	NASA-CASE-XNP-01306 US-PATENT-APPL-SN-343426 US-PATENT-CLASS-179-15 US-PATENT-3,364,311
N71-19763*	c 08	NASA-CASE-XAC-06302 US-PATENT-APPL-SN-574284 US-PATENT-CLASS-325-60 US-PATENT-3,456,193	N71-20447*	c 09	NASA-CASE-XLA-02850 US-PATENT-APPL-SN-556784 US-PATENT-CLASS-307-267 US-PATENT-3,473,050	N71-20815*	c 12	NASA-CASE-XMF-01779 US-PATENT-APPL-SN-521999 US-PATENT-CLASS-346-1 US-PATENT-3,357,024
N71-19773*	c 07	NASA-CASE-GSC-10373-1 US-PATENT-APPL-SN-712658 US-PATENT-CLASS-325-4 US-PATENT-3,532,985	N71-20448*	c 10	NASA-CASE-XNP-03744 US-PATENT-APPL-SN-547677 US-PATENT-CLASS-318-314 US-PATENT-3,424,966	N71-20816*	c 09	NASA-CASE-XAC-01677 US-PATENT-APPL-SN-596338 US-PATENT-CLASS-73-147 US-PATENT-3,360,988
N71-19854*	c 07	NASA-CASE-GSC-103477-1 US-PATENT-APPL-SN-820963 US-PATENT-CLASS-343-100 US-PATENT-3,534,365	N71-20461*	c 14	NASA-CASE-XNP-09763 US-PATENT-APPL-SN-600682 US-PATENT-CLASS-117-6 US-PATENT-3,433,662	N71-20834*	c 33	NASA-CASE-XMS-02009 US-PATENT-APPL-SN-455352 US-PATENT-CLASS-141-5 US-PATENT-3,349,814
N71-20268*	c 05	NASA-CASE-XLA-02898 US-PATENT-APPL-SN-429932 US-PATENT-CLASS-128-1 US-PATENT-3,461,855	N71-20491*	c 03	NASA-CASE-XGS-05434 US-PATENT-APPL-SN-667636 US-PATENT-CLASS-136-182 US-PATENT-3,463,673	N71-20841*	c 10	NASA-CASE-XGS-01222 US-PATENT-APPL-SN-354182 US-PATENT-CLASS-325-305 US-PATENT-3,348,152
N71-20273*	c 03	NASA-CASE-NPO-10188 US-PATENT-APPL-SN-681687 US-PATENT-CLASS-244-1 US-PATENT-3,473,758	N71-20492*	c 03	NASA-CASE-XLE-04787 US-PATENT-APPL-SN-551846 US-PATENT-CLASS-136-89 US-PATENT-3,434,885	N71-20842*	c 09	NASA-CASE-XNP-05381 US-PATENT-APPL-SN-568352 US-PATENT-CLASS-338-82 US-PATENT-3,350,671
N71-20330*	c 28	NASA-CASE-XLE-103477-1 US-PATENT-APPL-SN-466390 US-PATENT-CLASS-60-39-36 US-PATENT-3,433,015	N71-20518*	c 24	NASA-CASE-XNP-02592 US-PATENT-APPL-SN-484490 US-PATENT-CLASS-324-33 US-PATENT-3,430,131	N71-20851*	c 09	NASA-CASE-XNP-04732 US-PATENT-APPL-SN-557584 US-PATENT-CLASS-339-177 US-PATENT-3,358,264
N71-20393*	c 15	NASA-CASE-MFS-06074 US-PATENT-APPL-SN-688743 US-PATENT-CLASS-228-9 US-PATENT-3,458,104	N71-20563*	c 25	NASA-CASE-XLA-06232 US-PATENT-APPL-SN-612740 US-PATENT-CLASS-324-58 5 US-PATENT-3,473,116	N71-20852*	c 10	NASA-CASE-XGS-03502 US-PATENT-APPL-SN-584066 US-PATENT-CLASS-331-17 US-PATENT-3,361,985
N71-20395*	c 15	NASA-CASE-XMF-06065 US-PATENT-APPL-SN-665679 US-PATENT-CLASS-219-275 US-PATENT-3,466,424	N71-20569*	c 09	NASA-CASE-XMS-08589-1 US-PATENT-APPL-SN-544899 US-PATENT-CLASS-324-57 US-PATENT-3,434,050	N71-20864*	c 09	NASA-CASE-XGS-03501 US-PATENT-APPL-SN-576521 US-PATENT-CLASS-343-16 US-PATENT-3,359,555
N71-20396*	c 31	NASA-CASE-XMF-08523 US-PATENT-APPL-SN-645563 US-PATENT-CLASS-244-1 US-PATENT-3,465,986	N71-20570*	c 02	NASA-CASE-XAC-08972 US-PATENT-APPL-SN-700174 US-PATENT-CLASS-244-76 US-PATENT-3,472,470	N71-20895*	c 03	NASA-CASE-XNP-00826 US-PATENT-APPL-SN-327163 US-PATENT-CLASS-136-89 US-PATENT-3,346,419
N71-20400*	c 16	NASA-CASE-MFS-11279 US-PATENT-APPL-SN-628094 US-PATENT-CLASS-219-121 US-PATENT-3,472,998	N71-20571*	c 08	NASA-CASE-XGS-04987 US-PATENT-APPL-SN-619908 US-PATENT-CLASS-315-24 US-PATENT-3,437,874	N71-20896*	c 12	NASA-CASE-XNP-02251 US-PATENT-APPL-SN-432030 US-PATENT-CLASS-321-48 US-PATENT-3,337,790
N71-20407*	c 03	NASA-CASE-NPO-10194 US-PATENT-APPL-SN-668249 US-PATENT-CLASS-136-182 US-PATENT-3,460,995	N71-20658*	c 09	NASA-CASE-XMS-03454 US-PATENT-APPL-SN-425363 US-PATENT-CLASS-343-915 US-PATENT-3,360,798	N71-20904*	c 03	NASA-CASE-XLE-01645 US-PATENT-APPL-SN-342574 US-PATENT-CLASS-136-86 US-PATENT-3,357,862
N71-20427*	c 14	NASA-CASE-XMS-13052 US-PATENT-APPL-SN-561223 US-PATENT-CLASS-62-268 US-PATENT-3,455,121	N71-20705*	c 09	NASA-CASE-XMF-01599 US-PATENT-APPL-SN-381940 US-PATENT-CLASS-117-212 US-PATENT-3,359,132	N71-20905*	c 06	NASA-CASE-XMF-02584 US-PATENT-APPL-SN-506135 US-PATENT-CLASS-260-2 US-PATENT-3,346,515
N71-20428*	c 14	NASA-CASE-XGS-04879 US-PATENT-APPL-SN-541399 US-PATENT-CLASS-324- 5 US-PATENT-3,443,208	N71-20717*	c 06	NASA-CASE-XMF-04133 US-PATENT-APPL-SN-554949 US-PATENT-CLASS-260-2 US-PATENT-3,354,098	N71-20942*	c 28	NASA-CASE-XNP-04389 US-PATENT-APPL-SN-523511 US-PATENT-CLASS-60-265 US-PATENT-3,353,359
N71-20429*	c 14	NASA-CASE-XLE-05260 US-PATENT-APPL-SN-674355 US-PATENT-CLASS-73-117 4 US-PATENT-3,463,001	N71-20718*	c 05	NASA-CASE-XMS-04625 US-PATENT-APPL-SN-519161 US-PATENT-CLASS-244-122 US-PATENT-3,356,320	N71-21006*	c 14	NASA-CASE-XLA-01832 US-PATENT-APPL-SN-517858 US-PATENT-CLASS-346-50 US-PATENT-3,354,462
N71-20430*	c 14	NASA-CASE-XLA-03645 US-PATENT-APPL-SN-600266 US-PATENT-CLASS-250-83 US-PATENT-3,450,878	N71-20739*	c 15	NASA-CASE-XGS-02011 US-PATENT-APPL-SN-502693 US-PATENT-CLASS-308-9 US-PATENT-3,359,046	N71-21007*	c 14	NASA-CASE-XMS-06236 US-PATENT-APPL-SN-482670 US-PATENT-CLASS-73-290 US-PATENT-3,355,948
N71-20435*	c 14	NASA-CASE-XMS-06767-1 US-PATENT-APPL-SN-716795 US-PATENT-CLASS-73-422 US-PATENT-3,438,263	N71-20740*	c 15	NASA-CASE-XLA-01808 US-PATENT-APPL-SN-517159 US-PATENT-CLASS-74-471 US-PATENT-3,364,777	N71-21042*	c 08	NASA-CASE-XGS-01021 US-PATENT-APPL-SN-279646 US-PATENT-CLASS-340-174 1 US-PATENT-3,327,298
N71-20436*	c 12	NASA-CASE-LAR-11138 US-PATENT-APPL-SN-694317 US-PATENT-CLASS-73-147	N71-20741*	c 14	NASA-CASE-XMS-01618 US-PATENT-APPL-SN-418362 US-PATENT-CLASS-73-29	N71-21045*	c 32	NASA-CASE-XLA-01731 US-PATENT-APPL-SN-425365 US-PATENT-CLASS-52-2

N71-21060*	c 15	US-PATENT-3,364,631 NASA-CASE-XLA-03660 US-PATENT-APPL-SN-482307 US-PATENT-CLASS-95-53 US-PATENT-3,361,045	N71-21483*	c 10	US-PATENT-3,345,866 NASA-CASE-XGS-01155 US-PATENT-APPL-SN-557871 US-PATENT-CLASS-343-16 US-PATENT-3,344,425	N71-22706*	c 15	US-PATENT-3,341,977 NASA-CASE-XMS-09310 US-PATENT-APPL-SN-655724 US-PATENT-CLASS-137-496 US-PATENT-3,384,111
N71-21064*	c 31	NASA-CASE-XGS-02554 US-PATENT-APPL-SN-504266 US-PATENT-CLASS-244-1 US-PATENT-3,350,034	N71-21489*	c 15	NASA-CASE-XNP-06914 US-PATENT-APPL-SN-590147 US-PATENT-CLASS-85-33 US-PATENT-3,352,192	N71-22707*	c 08	NASA-CASE-XNP-04067 US-PATENT-APPL-SN-466875 US-PATENT-CLASS-340-172 5 US-PATENT-3,369,222
N71-21068*	c 18	NASA-CASE-XNP-02888 US-PATENT-APPL-SN-409126 US-PATENT-CLASS-239-265 11 US-PATENT-3,347,465	N71-21493*	c 28	NASA-CASE-XLA-10450 US-PATENT-APPL-SN-594587 US-PATENT-CLASS-239-265 19 US-PATENT-3,347,466	N71-22710*	c 08	NASA-CASE-XNP-02778 US-PATENT-APPL-SN-508170 US-PATENT-CLASS-340-172 5 US-PATENT-3,369,223
N71-21072*	c 14	NASA-CASE-XAC-02981 US-PATENT-APPL-SN-464879 US-PATENT-CLASS-73-398 US-PATENT-3,352,157	N71-21507*	c 33	NASA-CASE-XLE-04603 US-PATENT-APPL-SN-638194 US-PATENT-CLASS-60-243 US-PATENT-3,347,046	N71-22713*	c 15	NASA-CASE-XLA-03492 US-PATENT-APPL-SN-395348 US-PATENT-CLASS-156-60 US-PATENT-3,342,653
N71-21076*	c 15	NASA-CASE-XMS-03745 US-PATENT-APPL-SN-534295 US-PATENT-CLASS-24-263 US-PATENT-3,346,929	N71-21528*	c 15	NASA-CASE-XLA-01446 US-PATENT-APPL-SN-400613 US-PATENT-CLASS-53-102 US-PATENT-3,336,725	N71-22721*	c 15	NASA-CASE-XMF-03212 US-PATENT-APPL-SN-575549 US-PATENT-CLASS-55-418 US-PATENT-3,385,036
N71-21078*	c 15	NASA-CASE-XNP-03459 US-PATENT-APPL-SN-457879 US-PATENT-CLASS-29-495 US-PATENT-3,357,093	N71-21529*	c 15	NASA-CASE-XGS-02422 US-PATENT-APPL-SN-493943 US-PATENT-CLASS-74-126 US-PATENT-3,331,255	N71-22722*	c 15	NASA-CASE-XMS-04292 US-PATENT-APPL-SN-517157 US-PATENT-CLASS-82-14 US-PATENT-3,373,640
N71-21079*	c 14	NASA-CASE-XLA-03102 US-PATENT-APPL-SN-576195 US-PATENT-CLASS-33-31 US-PATENT-3,364,578	N71-21530*	c 15	NASA-CASE-XMS-03722 US-PATENT-APPL-SN-487934 US-PATENT-CLASS-267-64 US-PATENT-3,330,549	N71-22723*	c 15	NASA-CASE-XMF-01083 US-PATENT-APPL-SN-432028 US-PATENT-CLASS-72-83 US-PATENT-3,340,713
N71-21082*	c 14	NASA-CASE-XGS-02629 US-PATENT-APPL-SN-500435 US-PATENT-CLASS-244-1 US-PATENT-3,350,033	N71-21531*	c 15	NASA-CASE-XNP-02341 US-PATENT-APPL-SN-432025 US-PATENT-CLASS-52-127 US-PATENT-3,330,082	N71-22748*	c 05	NASA-CASE-XMS-04170 US-PATENT-APPL-SN-482311 US-PATENT-CLASS-9-312 US-PATENT-3,343,189
N71-21088*	c 14	NASA-CASE-XNP-06957 US-PATENT-APPL-SN-406097 US-PATENT-CLASS-250-83 3 US-PATENT-3,348,048	N71-21536*	c 15	NASA-CASE-XMS-06876 US-PATENT-APPL-SN-605100 US-PATENT-CLASS-72-34 US-PATENT-3,345,840	N71-22749*	c 08	NASA-CASE-XNP-02748 US-PATENT-APPL-SN-420245 US-PATENT-CLASS-340-146 1 US-PATENT-3,373,404
N71-21089*	c 12	NASA-CASE-XMS-01905 US-PATENT-APPL-SN-280580 US-PATENT-CLASS-141-91 US-PATENT-3,331,404	N71-21583*	c 09	NASA-CASE-XLE-02008 US-PATENT-APPL-SN-487342 US-PATENT-CLASS-338-64 US-PATENT-3,329,918	N71-22750*	c 07	NASA-CASE-XNP-01735 US-PATENT-APPL-SN-408438 US-PATENT-CLASS-343-786 US-PATENT-3,373,431
N71-21090*	c 14	NASA-CASE-XLE-00787 US-PATENT-APPL-SN-330210 US-PATENT-CLASS-324-33 US-PATENT-3,346,806	N71-21586*	c 33	NASA-CASE-XLA-01794 US-PATENT-APPL-SN-464880 US-PATENT-CLASS-73-86 US-PATENT-3,357,237	N71-22752*	c 14	NASA-CASE-XMF-01974 US-PATENT-APPL-SN-568354 US-PATENT-CLASS-73-419 US-PATENT-3,383,922
N71-21091*	c 14	NASA-CASE-XNP-02983 US-PATENT-APPL-SN-407599 US-PATENT-CLASS-73-88 5 US-PATENT-3,350,926	N71-21651*	c 18	NASA-CASE-XMF-01402 US-PATENT-APPL-SN-328140 US-PATENT-CLASS-161-68 US-PATENT-3,346,442	N71-22765*	c 14	NASA-CASE-XLA-00934 US-PATENT-APPL-SN-326298 US-PATENT-CLASS-73-84 US-PATENT-3,339,404
N71-21177*	c 15	NASA-CASE-XAC-06956 US-PATENT-APPL-SN-538166 US-PATENT-CLASS-259-71 US-PATENT-3,347,531	N71-21688*	c 21	NASA-CASE-XMF-00684 US-PATENT-APPL-SN-260087 US-PATENT-CLASS-235-150 25 US-PATENT-3,331,951	N71-22792*	c 33	NASA-CASE-XLA-01243 US-PATENT-APPL-SN-538911 US-PATENT-CLASS-244-1 US-PATENT-3,384,324
N71-21179*	c 15	NASA-CASE-XLA-01401 US-PATENT-APPL-SN-382976 US-PATENT-CLASS-235-61 6 US-PATENT-3,346,724	N71-21693*	c 25	NASA-CASE-XLA-03103 US-PATENT-APPL-SN-531642 US-PATENT-CLASS-315-111 US-PATENT-3,333,152	N71-22796*	c 09	NASA-CASE-XKS-03381 US-PATENT-APPL-SN-437611 US-PATENT-CLASS-317-9 US-PATENT-3,340,430
N71-21234*	c 15	NASA-CASE-XKS-02582 US-PATENT-APPL-SN-424153 US-PATENT-CLASS-251-172 US-PATENT-3,327,991	N71-21694*	c 25	NASA-CASE-XLE-02902 US-PATENT-APPL-SN-485957 US-PATENT-CLASS-60-202 US-PATENT-3,336,748	N71-22797*	c 15	NASA-CASE-XLE-01092 US-PATENT-APPL-SN-422098 US-PATENT-CLASS-72-253 US-PATENT-3,342,055
N71-21311*	c 15	NASA-CASE-XNP-03637 US-PATENT-APPL-SN-453232 US-PATENT-CLASS-310-9 1 US-PATENT-3,359,435	N71-21708*	c 21	NASA-CASE-XLA-02551 US-PATENT-APPL-SN-416940 US-PATENT-CLASS-244-1 US-PATENT-3,329,375	N71-22798*	c 15	NASA-CASE-XMS-04178 US-PATENT-APPL-SN-511299 US-PATENT-CLASS-83-467 US-PATENT-3,367,224
N71-21403*	c 15	NASA-CASE-XMF-03988 US-PATENT-APPL-SN-578923 US-PATENT-CLASS-252-26 US-PATENT-3,361,666	N71-21744*	c 15	NASA-CASE-XGS-04227 US-PATENT-APPL-SN-545805 US-PATENT-CLASS-74-409 US-PATENT-3,359,819	N71-22799*	c 15	NASA-CASE-XMF-03511 US-PATENT-APPL-SN-540414 US-PATENT-CLASS-90-12 US-PATENT-3,386,337
N71-21404*	c 15	NASA-CASE-XLA-01262 US-PATENT-APPL-SN-386800 US-PATENT-CLASS-156-3 US-PATENT-3,356,549	N71-21819*	c 27	NASA-CASE-XLE-03494 US-PATENT-APPL-SN-529593 US-PATENT-CLASS-60-251 US-PATENT-3,345,822	N71-22874*	c 15	NASA-CASE-XLA-00188 US-PATENT-APPL-SN-254847 US-PATENT-CLASS-102-49 5 US-PATENT-3,368,486
N71-21449*	c 09	NASA-CASE-XMS-01991 US-PATENT-APPL-SN-410326 US-PATENT-CLASS-323-22 US-PATENT-3,344,340	N71-21821*	c 23	NASA-CASE-XNP-01059 US-PATENT-APPL-SN-393464 US-PATENT-CLASS-250-232 US-PATENT-3,354,320	N71-22875*	c 11	NASA-CASE-XAC-05333 US-PATENT-APPL-SN-546148 US-PATENT-CLASS-119-15 US-PATENT-3,367,308
N71-21473*	c 10	NASA-CASE-XGS-08679 US-PATENT-APPL-SN-312443 US-PATENT-CLASS-343-113 US-PATENT-3,340,532	N71-21822*	c 28	NASA-CASE-XNP-04124 US-PATENT-APPL-SN-498168 US-PATENT-CLASS-60-202 US-PATENT-3,345,820	N71-22877*	c 15	NASA-CASE-XMF-10040 US-PATENT-APPL-SN-592680 US-PATENT-CLASS-188-1 US-PATENT-3,381,778
N71-21474*	c 11	NASA-CASE-XMS-04798 US-PATENT-APPL-SN-480210 US-PATENT-CLASS-35-12 US-PATENT-3,330,052	N71-21824*	c 26	NASA-CASE-XNP-05429 US-PATENT-APPL-SN-578928 US-PATENT-CLASS-103-1 US-PATENT-3,361,067	N71-22878*	c 15	NASA-CASE-XMS-04545 US-PATENT-APPL-SN-508601 US-PATENT-CLASS-73-144 US-PATENT-3,381,527
N71-21475*	c 11	NASA-CASE-XLA-05378 US-PATENT-APPL-SN-484156 US-PATENT-CLASS-73-343 US-PATENT-3,331,246	N71-21881*	c 31	NASA-CASE-XNP-02595 US-PATENT-APPL-SN-502709 US-PATENT-CLASS-244-1 US-PATENT-3,333,788	N71-22880*	c 21	NASA-CASE-XLA-00793 US-PATENT-APPL-SN-369334 US-PATENT-CLASS-88-1 US-PATENT-3,381,569
N71-21476*	c 07	NASA-CASE-XNP-00746 US-PATENT-APPL-SN-271824 US-PATENT-CLASS-235-181 US-PATENT-3,359,409	N71-21882*	c 23	NASA-CASE-XNP-03853 US-PATENT-APPL-SN-578931 US-PATENT-CLASS-88-24 US-PATENT-3,359,855	N71-22881*	c 23	NASA-CASE-XLE-04222 US-PATENT-APPL-SN-512559 US-PATENT-CLASS-220-9 US-PATENT-3,379,330
N71-21481*	c 11	NASA-CASE-XLA-01326 US-PATENT-APPL-SN-422097 US-PATENT-CLASS-73-147	N71-22705*	c 15	NASA-CASE-XGS-02884 US-PATENT-APPL-SN-432433 US-PATENT-CLASS-51-57	N71-22888*	c 09	NASA-CASE-XLA-03114 US-PATENT-APPL-SN-440039 US-PATENT-CLASS-343-708

N71-22890*	c 33	US-PATENT-3,373,430 NASA-CASE-XLA-07728 US-PATENT-APPL-SN-538908 US-PATENT-CLASS-165-96 US-PATENT-3,374,830	N71-22993*	c 14	US-PATENT-3,377,845 NASA-CASE-XMS-05365 US-PATENT-APPL-SN-515484 US-PATENT-CLASS-310-8 5 US-PATENT-3,367,149	N71-23037*	c 14	US-PATENT-3,383,903 NASA-CASE-XAC-01662 US-PATENT-APPL-SN-385520 US-PATENT-CLASS-324-117 US-PATENT-3,365,665
N71-22894*	c 18	NASA-CASE-XLE-03925 US-PATENT-APPL-SN-514407 US-PATENT-CLASS-75-204 US-PATENT-3,337,337	N71-22994*	c 15	NASA-CASE-XFR-05421 US-PATENT-APPL-SN-567686 US-PATENT-CLASS-24-126 US-PATENT-3,378,892	N71-23039*	c 14	NASA-CASE-XNP-01659 US-PATENT-APPL-SN-410332 US-PATENT-CLASS-136-230 US-PATENT-3,377,208
N71-22895*	c 16	NASA-CASE-XMS-04269 US-PATENT-APPL-SN-516793 US-PATENT-CLASS-250-199 US-PATENT-3,341,708	N71-22995*	c 14	NASA-CASE-XNP-08680 US-PATENT-APPL-SN-562444 US-PATENT-CLASS-73-9 US-PATENT-3,376,730	N71-23040*	c 14	NASA-CASE-XNP-05535 US-PATENT-APPL-SN-487939 US-PATENT-CLASS-244-1 US-PATENT-3,339,863
N71-22896*	c 05	NASA-CASE-XMS-02399 US-PATENT-APPL-SN-492344 US-PATENT-CLASS-128-2 06 US-PATENT-3,384,075	N71-22996*	c 14	NASA-CASE-XGS-01331 US-PATENT-APPL-SN-445807 US-PATENT-CLASS-250-218 US-PATENT-3,388,258	N71-23041*	c 14	NASA-CASE-XNP-01056 US-PATENT-APPL-SN-3771146 US-PATENT-CLASS-250-41 9 US-PATENT-3,340,393
N71-22897*	c 08	NASA-CASE-XNP-01753 US-PATENT-APPL-SN-423412 US-PATENT-CLASS-235-92 US-PATENT-3,374,339	N71-22997*	c 15	NASA-CASE-XNP-01641 US-PATENT-APPL-SN-464885 US-PATENT-CLASS-308-10 US-PATENT-3,378,315	N71-23042*	c 11	NASA-CASE-XMS-02930 US-PATENT-APPL-SN-417253 US-PATENT-CLASS-250-52 US-PATENT-3,340,397
N71-22961*	c 10	NASA-CASE-XMS-02159 US-PATENT-APPL-SN-534564 US-PATENT-CLASS-323-56 US-PATENT-3,365,657	N71-22998*	c 18	NASA-CASE-XGS-02435 US-PATENT-APPL-SN-392965 US-PATENT-CLASS-106-40 US-PATENT-3,382,082	N71-23043*	c 26	NASA-CASE-XNP-01959 US-PATENT-APPL-SN-410330 US-PATENT-CLASS-136-89 US-PATENT-3,396,057
N71-22962*	c 10	NASA-CASE-XGS-05441 US-PATENT-APPL-SN-505321 US-PATENT-CLASS-328-233 US-PATENT-3,366,886	N71-22999*	c 09	NASA-CASE-XLA-00781 US-PATENT-APPL-SN-307271 US-PATENT-CLASS-88-14 US-PATENT-3,364,813	N71-23046*	c 17	NASA-CASE-XNP-04338 US-PATENT-APPL-SN-461765 US-PATENT-CLASS-29-182 2 US-PATENT-3,421,864
N71-22964*	c 14	NASA-CASE-XLE-02024 US-PATENT-APPL-SN-422099 US-PATENT-CLASS-73-15 US-PATENT-3,365,930	N71-23001*	c 07	NASA-CASE-XGS-01812 US-PATENT-APPL-SN-392973 US-PATENT-CLASS-340-174 1 US-PATENT-3,380,042	N71-23047*	c 18	NASA-CASE-XLA-01995 US-PATENT-APPL-SN-411945 US-PATENT-CLASS-148-6 16 US-PATENT-3,395,053
N71-22965*	c 14	NASA-CASE-XGS-02319 US-PATENT-APPL-SN-496205 US-PATENT-CLASS-73-117 US-PATENT-3,365,941	N71-23006*	c 03	NASA-CASE-XGS-02631 US-PATENT-APPL-SN-425972 US-PATENT-CLASS-136-133 US-PATENT-3,340,099	N71-23048*	c 15	NASA-CASE-XNP-03972 US-PATENT-APPL-SN-502710 US-PATENT-CLASS-184-1 US-PATENT-3,367,445
N71-22968*	c 31	NASA-CASE-XLA-02050 US-PATENT-APPL-SN-568067 US-PATENT-CLASS-244-1 US-PATENT-3,386,685	N71-23007*	c 02	NASA-CASE-XMF-04163 US-PATENT-APPL-SN-424156 US-PATENT-CLASS-73-189 US-PATENT-3,340,732	N71-23049*	c 15	NASA-CASE-XMF-01049 US-PATENT-APPL-SN-506137 US-PATENT-CLASS-339-5 US-PATENT-3,375,479
N71-22969*	c 31	NASA-CASE-XLA-03132 US-PATENT-APPL-SN-610728 US-PATENT-CLASS-244-1 US-PATENT-3,386,686	N71-23008*	c 31	NASA-CASE-XLA-04804 US-PATENT-APPL-SN-577546 US-PATENT-CLASS-102-49 5 US-PATENT-3,384,016	N71-23050*	c 15	NASA-CASE-XMF-01730 US-PATENT-APPL-SN-517869 US-PATENT-CLASS-228-8 US-PATENT-3,373,914
N71-22974*	c 03	NASA-CASE-XGS-02630 US-PATENT-APPL-SN-494287 US-PATENT-CLASS-136-132 US-PATENT-3,382,107	N71-23009*	c 31	NASA-CASE-XGS-02607 US-PATENT-APPL-SN-474531 US-PATENT-CLASS-244-1 US-PATENT-3,341,151	N71-23051*	c 15	NASA-CASE-XAC-01158 US-PATENT-APPL-SN-420250 US-PATENT-CLASS-137-625 5 US-PATENT-3,369,564
N71-22975*	c 06	NASA-CASE-XNP-07659 US-PATENT-APPL-SN-567806 US-PATENT-CLASS-18-26 US-PATENT-3,381,339	N71-23015*	c 09	NASA-CASE-XGS-02751 US-PATENT-APPL-SN-491059 US-PATENT-CLASS-307-288 US-PATENT-3,374,366	N71-23052*	c 15	NASA-CASE-XLA-03497 US-PATENT-APPL-SN-392992 US-PATENT-CLASS-156-285 US-PATENT-3,373,069
N71-22982*	c 15	NASA-CASE-XLA-02809 US-PATENT-APPL-SN-554897 US-PATENT-CLASS-308-176 US-PATENT-3,397,932	N71-23021*	c 09	NASA-CASE-XAC-02807 US-PATENT-APPL-SN-456581 US-PATENT-CLASS-324-120 US-PATENT-3,384,820	N71-23080*	c 05	NASA-CASE-XLE-02531 US-PATENT-APPL-SN-425096 US-PATENT-CLASS-312-1 US-PATENT-3,337,279
N71-22983*	c 28	NASA-CASE-XMF-06926 US-PATENT-APPL-SN-537615 US-PATENT-CLASS-60-258 US-PATENT-3,336,754	N71-23022*	c 15	NASA-CASE-XMS-01625 US-PATENT-APPL-SN-418933 US-PATENT-CLASS-136-86 US-PATENT-3,389,017	N71-23081*	c 28	NASA-CASE-XNP-02923 US-PATENT-APPL-SN-494280 US-PATENT-CLASS-60-202 US-PATENT-3,367,114
N71-22984*	c 07	NASA-CASE-XMS-04312 US-PATENT-APPL-SN-521754 US-PATENT-CLASS-343-708 US-PATENT-3,384,895	N71-23023*	c 15	NASA-CASE-XMF-04042 US-PATENT-APPL-SN-605518 US-PATENT-CLASS-55-204 US-PATENT-3,397,512	N71-23084*	c 10	NASA-CASE-XLA-01219 US-PATENT-APPL-SN-402978 US-PATENT-CLASS-332-1 US-PATENT-3,366,894
N71-22985*	c 09	NASA-CASE-XMF-03934 US-PATENT-APPL-SN-530958 US-PATENT-CLASS-250-83 3 US-PATENT-3,379,885	N71-23024*	c 15	NASA-CASE-XNP-01747 US-PATENT-APPL-SN-413661 US-PATENT-CLASS-251-148 US-PATENT-3,341,169	N71-23085*	c 33	NASA-CASE-XFR-03802 US-PATENT-APPL-SN-460877 US-PATENT-CLASS-73-190 US-PATENT-3,367,182
N71-22986*	c 10	NASA-CASE-XMF-01892 US-PATENT-APPL-SN-464878 US-PATENT-CLASS-328-167 US-PATENT-3,375,451	N71-23025*	c 15	NASA-CASE-XNP-08877 US-PATENT-APPL-SN-574282 US-PATENT-CLASS-62-6 US-PATENT-3,367,121	N71-23086*	c 15	NASA-CASE-XMS-04533 US-PATENT-APPL-SN-557016 US-PATENT-CLASS-202-234 US-PATENT-3,397,117
N71-22987*	c 09	NASA-CASE-XLE-04788 US-PATENT-APPL-SN-537617 US-PATENT-CLASS-313-352 US-PATENT-3,398,303	N71-23026*	c 07	NASA-CASE-XNP-02791 US-PATENT-APPL-SN-390251 US-PATENT-CLASS-178-6 US-PATENT-3,383,461	N71-23087*	c 14	NASA-CASE-XNP-03918 US-PATENT-APPL-SN-510475 US-PATENT-CLASS-73-88 5 US-PATENT-3,388,590
N71-22988*	c 09	NASA-CASE-XGS-03304 US-PATENT-APPL-SN-483886 US-PATENT-CLASS-73-1 US-PATENT-3,381,517	N71-23027*	c 09	NASA-CASE-XNP-01960 US-PATENT-APPL-SN-438135 US-PATENT-CLASS-29-572 US-PATENT-3,340,599	N71-23088*	c 18	NASA-CASE-XNP-00597 US-PATENT-APPL-SN-410325 US-PATENT-CLASS-65-7 US-PATENT-3,337,315
N71-22989*	c 14	NASA-CASE-XLA-01551 US-PATENT-APPL-SN-422092 US-PATENT-CLASS-73-190 US-PATENT-3,382,714	N71-23029*	c 10	NASA-CASE-XGS-03427 US-PATENT-APPL-SN-500446 US-PATENT-CLASS-307-265 US-PATENT-3,383,524	N71-23092*	c 14	NASA-CASE-XLA-01530 US-PATENT-APPL-SN-420466 US-PATENT-CLASS-188-1 US-PATENT-3,337,004
N71-22990*	c 14	NASA-CASE-XMS-04201 US-PATENT-APPL-SN-507254 US-PATENT-CLASS-324-70 US-PATENT-3,379,974	N71-23030*	c 11	NASA-CASE-XNP-03578 US-PATENT-APPL-SN-445292 US-PATENT-CLASS-73-147 US-PATENT-3,342,066	N71-23093*	c 14	NASA-CASE-XLE-03280 US-PATENT-APPL-SN-517156 US-PATENT-CLASS-73-400 US-PATENT-3,379,064
N71-22991*	c 14	NASA-CASE-XLA-01791 US-PATENT-APPL-SN-462763 US-PATENT-CLASS-250-227 US-PATENT-3,397,318	N71-23033*	c 10	NASA-CASE-XNP-01318 US-PATENT-APPL-SN-380965 US-PATENT-CLASS-340-174 US-PATENT-3,388,387	N71-23096*	c 05	NASA-CASE-XMS-06064 US-PATENT-APPL-SN-563646 US-PATENT-CLASS-2-14 US-PATENT-3,378,851
N71-22992*	c 14	NASA-CASE-XGS-01023 US-PATENT-APPL-SN-446131 US-PATENT-CLASS-73-65	N71-23036*	c 14	NASA-CASE-XNP-01660 US-PATENT-APPL-SN-578916 US-PATENT-CLASS-73-4	N71-23097*	c 09	NASA-CASE-XNP-02140 US-PATENT-APPL-SN-440036 US-PATENT-CLASS-330-61

N71-23098*	c 07	US-PATENT-3,337,812 NASA-CASE-XGS-00740 US-PATENT-APPL-SN-353644 US-PATENT-CLASS-325-305 US-PATENT-3,341,778	N71-23269*	c 14	US-PATENT-3,419,329 NASA-CASE-XLA-01584 US-PATENT-APPL-SN-416943 US-PATENT-CLASS-250-203 US-PATENT-3,389,260	N71-23544*	c 10	US-PATENT-3,393,347 NASA-CASE-XNP-05382 US-PATENT-APPL-SN-536217 US-PATENT-CLASS-332-19 US-PATENT-3,393,380
N71-23099*	c 10	NASA-CASE-XNP-08875 US-PATENT-APPL-SN-640455 US-PATENT-CLASS-343-6 5 US-PATENT-3,380,049	N71-23270*	c 09	NASA-CASE-XMS-04919 US-PATENT-APPL-SN-516155 US-PATENT-CLASS-307-263 US-PATENT-3,417,266	N71-23545*	c 09	NASA-CASE-XMF-04367 US-PATENT-APPL-SN-457874 US-PATENT-CLASS-307-235 US-PATENT-3,404,289
N71-23159*	c 05	NASA-CASE-XMF-06589 US-PATENT-APPL-SN-543206 US-PATENT-CLASS-5-82 US-PATENT-3,343,180	N71-23271*	c 10	NASA-CASE-XNP-00952 US-PATENT-APPL-SN-388967 US-PATENT-CLASS-317-148 5 US-PATENT-3,417,298	N71-23548*	c 09	NASA-CASE-XNP-06507 US-PATENT-APPL-SN-605099 US-PATENT-CLASS-333-98 US-PATENT-3,419,827
N71-23161*	c 05	NASA-CASE-XAC-07043 US-PATENT-APPL-SN-566397 US-PATENT-CLASS-2-2 1 US-PATENT-3,405,406	N71-23289*	c 21	NASA-CASE-XMF-01669 US-PATENT-APPL-SN-399419 US-PATENT-CLASS-74-5 47 US-PATENT-3,415,126	N71-23573*	c 09	NASA-CASE-XGS-01418 US-PATENT-APPL-SN-392969 US-PATENT-CLASS-333-73 US-PATENT-3,393,384
N71-23174*	c 14	NASA-CASE-XGS-02610 US-PATENT-APPL-SN-491054 US-PATENT-CLASS-321-60 US-PATENT-3,417,316	N71-23292*	c 26	NASA-CASE-XLE-10715 US-PATENT-APPL-SN-603397 US-PATENT-CLASS-252-62 3 US-PATENT-3,409,554	N71-23598*	c 09	NASA-CASE-XER-11019 US-PATENT-APPL-SN-711971 US-PATENT-CLASS-331-78 US-PATENT-3,470,489
N71-23175*	c 14	NASA-CASE-XKS-03509 US-PATENT-APPL-SN-566392 US-PATENT-CLASS-356-166 US-PATENT-3,414,358	N71-23293*	c 28	NASA-CASE-XNP-06942 US-PATENT-APPL-SN-563651 US-PATENT-CLASS-60-202 US-PATENT-3,412,559	N71-23599*	c 22	NASA-CASE-XLE-01903 US-PATENT-APPL-SN-466868 US-PATENT-CLASS-310-4 US-PATENT-3,393,330
N71-23185*	c 04	NASA-CASE-XAC-05422 US-PATENT-APPL-SN-483885 US-PATENT-CLASS-128-2 05 US-PATENT-3,412,729	N71-23295*	c 08	NASA-CASE-XNP-04819 US-PATENT-APPL-SN-502701 US-PATENT-CLASS-340-146 2 US-PATENT-3,390,378	N71-23654*	c 26	NASA-CASE-XLE-02798 US-PATENT-APPL-SN-660571 US-PATENT-CLASS-148-1 5 US-PATENT-3,390,020
N71-23187*	c 03	NASA-CASE-XGS-03390 US-PATENT-APPL-SN-551182 US-PATENT-CLASS-136-89 US-PATENT-3,419,433	N71-23311*	c 09	NASA-CASE-XGS-03632 US-PATENT-APPL-SN-502739 US-PATENT-CLASS-307-260 US-PATENT-3,390,282	N71-23658*	c 18	NASA-CASE-XLE-02647 US-PATENT-APPL-SN-430226 US-PATENT-CLASS-220-9 US-PATENT-3,392,864
N71-23188*	c 09	NASA-CASE-XMF-14301 US-PATENT-APPL-SN-697341 US-PATENT-CLASS-321-2 US-PATENT-3,470,446	N71-23315*	c 10	NASA-CASE-XLA-03356 US-PATENT-APPL-SN-536216 US-PATENT-CLASS-307-234 US-PATENT-3,448,290	N71-23662*	c 10	NASA-CASE-XGS-01118 US-PATENT-APPL-SN-408442 US-PATENT-CLASS-235-154 US-PATENT-3,399,299
N71-23189*	c 09	NASA-CASE-XNP-06028 US-PATENT-APPL-SN-649356 US-PATENT-CLASS-315-26 US-PATENT-3,431,460	N71-23316*	c 09	NASA-CASE-XMS-09352 US-PATENT-APPL-SN-564919 US-PATENT-CLASS-323-22 US-PATENT-3,417,321	N71-23663*	c 10	NASA-CASE-XKS-04631 US-PATENT-APPL-SN-663180 US-PATENT-CLASS-200-82 US-PATENT-3,433,909
N71-23190*	c 09	NASA-CASE-XLE-04501 US-PATENT-APPL-SN-522794 US-PATENT-CLASS-313-231 US-PATENT-3,413,510	N71-23317*	c 05	NASA-CASE-XMS-06061 US-PATENT-APPL-SN-605092 US-PATENT-CLASS-307-260 US-PATENT-3,467,837	N71-23669*	c 10	NASA-CASE-XAC-10607 US-PATENT-APPL-SN-694345 US-PATENT-CLASS-331-111 US-PATENT-3,470,495
N71-23191*	c 09	NASA-CASE-XMS-05890 US-PATENT-APPL-SN-650166 US-PATENT-CLASS-137-554 US-PATENT-3,414,012	N71-23336*	c 03	NASA-CASE-XGS-01513 US-PATENT-APPL-SN-502756 US-PATENT-CLASS-136-166 US-PATENT-3,390,017	N71-23698*	c 14	NASA-CASE-XGS-08259 US-PATENT-APPL-SN-666551 US-PATENT-CLASS-242-192 US-PATENT-3,460,781
N71-23225*	c 14	NASA-CASE-XNP-04817 US-PATENT-APPL-SN-516152 US-PATENT-CLASS-73-12 US-PATENT-3,412,598	N71-23354*	c 03	NASA-CASE-XLE-04535 US-PATENT-APPL-SN-588671 US-PATENT-CLASS-250-212 US-PATENT-3,437,818	N71-23699*	c 14	NASA-CASE-XMF-10289 US-PATENT-APPL-SN-674356 US-PATENT-CLASS-324-72 US-PATENT-3,470,466
N71-23226*	c 14	NASA-CASE-XNP-06509 US-PATENT-APPL-SN-570095 US-PATENT-CLASS-73-194 US-PATENT-3,411,356	N71-23365*	c 17	NASA-CASE-XNP-03063 US-PATENT-APPL-SN-521994 US-PATENT-CLASS-75-172 US-PATENT-3,413,115	N71-23710*	c 18	NASA-CASE-XLE-08511 US-PATENT-APPL-SN-635972 US-PATENT-CLASS-29-182 1 US-PATENT-3,419,363
N71-23227*	c 14	NASA-CASE-XMF-06515 US-PATENT-APPL-SN-548808 US-PATENT-CLASS-73-432 US-PATENT-3,408,870	N71-23401*	c 14	NASA-CASE-XGS-03230 US-PATENT-APPL-SN-517158 US-PATENT-CLASS-250-83 US-PATENT-3,419,992	N71-23723*	c 30	NASA-CASE-XNP-09832 US-PATENT-APPL-SN-632163 US-PATENT-CLASS-343-100 US-PATENT-3,417,399
N71-23230*	c 06	NASA-CASE-XMF-06409 US-PATENT-APPL-SN-575930 US-PATENT-CLASS-260-448 2 US-PATENT-3,433,818	N71-23405*	c 07	NASA-CASE-XGS-01537 US-PATENT-APPL-SN-432026 US-PATENT-CLASS-325-163 US-PATENT-3,417,332	N71-23725*	c 14	NASA-CASE-XGS-01013 US-PATENT-APPL-SN-665209 US-PATENT-CLASS-73-133 US-PATENT-3,460,381
N71-23239*	c 03	NASA-CASE-XMF-08217 US-PATENT-APPL-SN-688807 US-PATENT-CLASS-321-2 US-PATENT-3,470,443	N71-23443*	c 09	NASA-CASE-XLE-02823 US-PATENT-APPL-SN-491058 US-PATENT-CLASS-310-10 US-PATENT-3,393,332	N71-23726*	c 14	NASA-CASE-XMF-05224 US-PATENT-APPL-SN-660842 US-PATENT-CLASS-73-189 US-PATENT-3,465,584
N71-23240*	c 14	NASA-CASE-XLA-00941 US-PATENT-APPL-SN-508873 US-PATENT-CLASS-250-227 US-PATENT-3,407,304	N71-23449*	c 03	NASA-CASE-XLE-08569 US-PATENT-APPL-SN-641420 US-PATENT-CLASS-136-89 US-PATENT-3,472,698	N71-23755*	c 14	NASA-CASE-XMF-04134 US-PATENT-APPL-SN-610723 US-PATENT-CLASS-73-4 US-PATENT-3,472,059
N71-23248*	c 17	NASA-CASE-XLE-03629 US-PATENT-APPL-SN-554950 US-PATENT-CLASS-75-170 US-PATENT-3,415,643	N71-23497*	c 01	NASA-CASE-XLA-01486 US-PATENT-APPL-SN-484485 US-PATENT-CLASS-244-13 US-PATENT-3,392,936	N71-23790*	c 14	NASA-CASE-XAC-04885 US-PATENT-APPL-SN-573432 US-PATENT-CLASS-73-141 US-PATENT-3,415,116
N71-23254*	c 15	NASA-CASE-XFR-05302 US-PATENT-APPL-SN-685463 US-PATENT-CLASS-85-7 US-PATENT-3,443,472	N71-23499*	c 06	NASA-CASE-XNP-03835 US-PATENT-APPL-SN-456874 US-PATENT-CLASS-44-77 US-PATENT-3,393,059	N71-23797*	c 14	NASA-CASE-XNP-06510 US-PATENT-APPL-SN-562445 US-PATENT-CLASS-250-203 US-PATENT-3,417,247
N71-23255*	c 15	NASA-CASE-XMS-07487 US-PATENT-APPL-SN-580365 US-PATENT-CLASS-244-83 US-PATENT-3,409,252	N71-23500*	c 06	NASA-CASE-XNP-03250 US-PATENT-APPL-SN-485058 US-PATENT-CLASS-260-85 5 US-PATENT-3,419,537	N71-23798* #	c 15	NASA-CASE-XMF-02330 US-PATENT-APPL-SN-608944 US-PATENT-CLASS-219-130 US-PATENT-3,469,069
N71-23256*	c 15	NASA-CASE-XMF-03290 US-PATENT-APPL-SN-479353 US-PATENT-CLASS-53-22 US-PATENT-3,415,032	N71-23525*	c 09	NASA-CASE-XGS-02317 US-PATENT-APPL-SN-576183 US-PATENT-CLASS-328-61 US-PATENT-3,464,018	N71-23809*	c 15	NASA-CASE-XAC-10019 US-PATENT-APPL-SN-686209 US-PATENT-CLASS-74-89 18 US-PATENT-3,472,086
N71-23267*	c 14	NASA-CASE-XLE-04026 US-PATENT-APPL-SN-617770 US-PATENT-CLASS-13-26 US-PATENT-3,470,304	N71-23527*	c 06	NASA-CASE-XLE-01997 US-PATENT-APPL-SN-427990 US-PATENT-CLASS-23-230 US-PATENT-3,472,625	N71-23810*	c 15	NASA-CASE-XLE-05033 US-PATENT-APPL-SN-510474 US-PATENT-CLASS-252-12 US-PATENT-3,466,243
N71-23268*	c 14	NASA-CASE-XLA-01907 US-PATENT-APPL-SN-335441 US-PATENT-CLASS-356-72	N71-23543*	c 10	NASA-CASE-XMS-00913 US-PATENT-APPL-SN-416945 US-PATENT-CLASS-317-31	N71-23811*	c 15	NASA-CASE-XNP-05297 US-PATENT-APPL-SN-640458 US-PATENT-CLASS-72-354

N71-23812*	c 15	US-PATENT-3,443,412 NASA-CASE-XMF-07808 US-PATENT-APPL-SN-684178 US-PATENT-CLASS-308-2 US-PATENT-3,463,563	N71-24232*	c 14	US-PATENT-3,434,855 NASA-CASE-XAC-04458 US-PATENT-APPL-SN-534975 US-PATENT-CLASS-73-400 US-PATENT-3,392,586	N71-24623*	c 05	US-PATENT-CLASS-324-77 US-PATENT-3,548,107 NASA-CASE-XMS-09635 US-PATENT-APPL-SN-586329 US-PATENT-CLASS-2-2 1 US-PATENT-3,516,091
N71-23815*	c 15	NASA-CASE-XMF-07069 US-PATENT-APPL-SN-672382 US-PATENT-CLASS-219-125 US-PATENT-3,469,068	N71-24233*	c 14	NASA-CASE-XGS-04478 US-PATENT-APPL-SN-566717 US-PATENT-CLASS-73-88 5 US-PATENT-3,460,378	N71-24624*	c 07	NASA-CASE-GSC-10131-1 US-PATENT-APPL-SN-754055 US-PATENT-CLASS-340-172 5 US-PATENT-3,546,684
N71-23816*	c 15	NASA-CASE-XLE-03803 US-PATENT-APPL-SN-505765 US-PATENT-CLASS-220-9 US-PATENT-3,392,865	N71-24234*	c 14	NASA-CASE-XMF-10968 US-PATENT-APPL-SN-644447 US-PATENT-CLASS-73-15 6 US-PATENT-3,469,437	N71-24625*	c 07	NASA-CASE-XMS-09610 US-PATENT-APPL-SN-766170 US-PATENT-CLASS-343-113 US-PATENT-3,540,054
N71-23817*	c 15	NASA-CASE-XLE-06773 US-PATENT-APPL-SN-646124 US-PATENT-CLASS-72-467 US-PATENT-3,469,436	N71-24276*	c 33	NASA-CASE-XLA-02059 US-PATENT-APPL-SN-576182 US-PATENT-CLASS-165-12 US-PATENT-3,406,742	N71-24633*	c 08	NASA-CASE-NPO-10567 US-PATENT-APPL-SN-679055 US-PATENT-CLASS-235-153 US-PATENT-3,517,171
N71-23828*	c 17	NASA-CASE-XMF-02303 US-PATENT-APPL-SN-453229 US-PATENT-CLASS-148-6 20 US-PATENT-3,416,975	N71-24285*	c 32	NASA-CASE-XMF-02392 US-PATENT-APPL-SN-596735 US-PATENT-CLASS-73-49 2 US-PATENT-3,399,574	N71-24650*	c 08	NASA-CASE-NPO-10150 US-PATENT-APPL-SN-660843 US-PATENT-CLASS-340-347 US-PATENT-3,537,103
N71-23912*	c 31	NASA-CASE-XMF-05941 US-PATENT-APPL-SN-653277 US-PATENT-CLASS-244-1 US-PATENT-3,443,773	N71-24315*	c 31	NASA-CASE-XLA-04901 US-PATENT-APPL-SN-586325 US-PATENT-CLASS-244-1 US-PATENT-3,405,887	N71-24679*	c 15	NASA-CASE-XNP-10475 US-PATENT-APPL-SN-763868 US-PATENT-CLASS-72-369 US-PATENT-3,546,917
N71-23968*	c 28	NASA-CASE-XLE-04857 US-PATENT-APPL-SN-621742 US-PATENT-CLASS-239-127 1 US-PATENT-3,460,759	N71-24321*	c 28	NASA-CASE-XNP-03692 US-PATENT-APPL-SN-60787 US-PATENT-CLASS-60-263 US-PATENT-3,443,384	N71-24681*	c 03	NASA-CASE-XLE-08569-2 US-PATENT-APPL-SN-829825 US-PATENT-CLASS-29-572 US-PATENT-3,541,679
N71-23971*	c 32	NASA-CASE-XAC-05632 US-PATENT-APPL-SN-568355 US-PATENT-CLASS-244-77 US-PATENT-3,412,961	N71-24583*	c 07	NASA-CASE-NPO-10096 US-PATENT-APPL-SN-730700 US-PATENT-CLASS-329-140 US-PATENT-3,533,001	N71-24692*	c 12	NASA-CASE-XFR-02007 US-PATENT-APPL-SN-378080 US-PATENT-CLASS-73-389 US-PATENT-3,273,399
N71-23976*	c 23	NASA-CASE-XLA-01987 US-PATENT-APPL-SN-542713 US-PATENT-CLASS-346-107 US-PATENT-3,392,403	N71-24595*	c 09	NASA-CASE-GSC-10021-1 US-PATENT-APPL-SN-790420 US-PATENT-CLASS-343-7 5 US-PATENT-3,540,045	N71-24693*	c 14	NASA-CASE-XMF-04415 US-PATENT-APPL-SN-644446 US-PATENT-CLASS-33-174 US-PATENT-3,360,864
N71-24035*	c 31	NASA-CASE-XLA-01027 US-PATENT-APPL-SN-494283 US-PATENT-CLASS-52-272 US-PATENT-3,416,274	N71-24596*	c 09	NASA-CASE-XNP-01306-2 US-PATENT-APPL-SN-684083 US-PATENT-CLASS-328-133 US-PATENT-3,509,475	N71-24694*	c 15	NASA-CASE-GSC-10306-1 US-PATENT-APPL-SN-789278 US-PATENT-CLASS-248-358 US-PATENT-3,537,672
N71-24042*	c 15	NASA-CASE-XNP-04731 US-PATENT-APPL-SN-534966 US-PATENT-CLASS-103-48 US-PATENT-3,367,271	N71-24597*	c 09	NASA-CASE-ARC-10132-1 US-PATENT-APPL-SN-759460 US-PATENT-CLASS-73-398 US-PATENT-3,545,275	N71-24695*	c 15	NASA-CASE-XNP-06936 US-PATENT-APPL-SN-640786 US-PATENT-CLASS-318-382 US-PATENT-3,487,281
N71-24043*	c 15	NASA-CASE-XKS-03338 US-PATENT-APPL-SN-547072 US-PATENT-CLASS-89-1 806 US-PATENT-3,415,156	N71-24599*	c 15	NASA-CASE-MS-12052-1 US-PATENT-APPL-SN-770371 US-PATENT-CLASS-254-150 US-PATENT-CLASS-254-173 US-PATENT-CLASS-254-186	N71-24696*	c 15	NASA-CASE-NPO-10173 US-PATENT-APPL-SN-796360 US-PATENT-CLASS-310-101 US-PATENT-3,535,570
N71-24044*	c 15	NASA-CASE-XMF-06888 US-PATENT-APPL-SN-591000 US-PATENT-CLASS-62-40 US-PATENT-3,415,069	N71-24600*	c 15	NASA-CASE-XGS-08718 US-PATENT-APPL-SN-785611 US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-150 US-PATENT-CLASS-74-2 US-PATENT-CLASS-89-1 5 US-PATENT-CLASS-9-9 US-PATENT-3,540,676	N71-24717*	c 09	NASA-CASE-XMF-08804 US-PATENT-APPL-SN-683606 US-PATENT-CLASS-324-181 US-PATENT-3,543,159
N71-24045*	c 15	NASA-CASE-XGS-04548 US-PATENT-APPL-SN-672383 US-PATENT-CLASS-74-100 US-PATENT-3,460,397	N71-24605*	c 03	NASA-CASE-XNP-04758 US-PATENT-APPL-SN-557861 US-PATENT-CLASS-320-17 US-PATENT-3,413,536	N71-24718*	c 03	NASA-CASE-MS-10960-1 US-PATENT-APPL-SN-751198 US-PATENT-CLASS-204-305 US-PATENT-3,547,801
N71-24046*	c 15	NASA-CASE-XLE-10337 US-PATENT-APPL-SN-594633 US-PATENT-CLASS-252-26 US-PATENT-3,391,080	N71-24606*	c 05	NASA-CASE-XKS-10804 US-PATENT-APPL-SN-691909 US-PATENT-CLASS-35-17 US-PATENT-3,508,347	N71-24719*	c 03	NASA-CASE-GSC-10487-1 US-PATENT-APPL-SN-828983 US-PATENT-CLASS-320-39 US-PATENT-3,541,422
N71-24047*	c 15	NASA-CASE-XGS-03120 US-PATENT-APPL-SN-485958 US-PATENT-CLASS-156-3 US-PATENT-3,470,043	N71-24607*	c 06	NASA-CASE-XNP-09699 US-PATENT-APPL-SN-711972 US-PATENT-CLASS-73-17 US-PATENT-3,546,920	N71-24725*	c 23	NASA-CASE-GSC-10188-1 US-PATENT-APPL-SN-791888 US-PATENT-CLASS-62-384 US-PATENT-3,545,226
N71-24074*	c 16	NASA-CASE-XLA-03375 US-PATENT-APPL-SN-512562 US-PATENT-CLASS-356-104 US-PATENT-3,446,558	N71-24612*	c 07	NASA-CASE-XMF-06092 US-PATENT-APPL-SN-550088 US-PATENT-CLASS-178-7 1 US-PATENT-3,470,318	N71-24728*	c 05	NASA-CASE-MS-12243-1 US-PATENT-APPL-SN-857445 US-PATENT-CLASS-244-1 US-PATENT-3,537,668
N71-24142*	c 17	NASA-CASE-XLE-06969 US-PATENT-APPL-SN-655675 US-PATENT-CLASS-148-126 US-PATENT-3,463,679	N71-24613*	c 07	NASA-CASE-NPO-10851 US-PATENT-APPL-SN-805406 US-PATENT-CLASS-325-325 US-PATENT-3,551,816	N71-24729*	c 05	NASA-CASE-MS-13282-1 US-PATENT-APPL-SN-8498 US-PATENT-CLASS-128-2 1 US-PATENT-3,548,812
N71-24145*	c 33	NASA-CASE-XLE-03432 US-PATENT-APPL-SN-559349 US-PATENT-CLASS-13-35 US-PATENT-3,409,730	N71-24614*	c 07	NASA-CASE-XKS-09340 US-PATENT-APPL-SN-666555 US-PATENT-CLASS-343-703 US-PATENT-3,540,056	N71-24730*	c 05	NASA-CASE-XMS-09637-1 US-PATENT-APPL-SN-785710 US-PATENT-CLASS-2-2 1 US-PATENT-3,537,107
N71-24147*	c 05	NASA-CASE-XMS-10269 US-PATENT-APPL-SN-590158 US-PATENT-CLASS-165-46 US-PATENT-3,425,486	N71-24618*	c 09	NASA-CASE-FRC-10029 US-PATENT-APPL-SN-760389 US-PATENT-CLASS-128-2 06 US-PATENT-3,547,105	N71-24736*	c 28	NASA-CASE-XLE-03157 US-PATENT-APPL-SN-591014 US-PATENT-CLASS-60-240 US-PATENT-3,408,816
N71-24164*	c 15	NASA-CASE-XLA-01494 US-PATENT-APPL-SN-499122 US-PATENT-CLASS-156-545 US-PATENT-3,416,988	N71-24621*	c 07	NASA-CASE-GSC-10118-1 US-PATENT-APPL-SN-783375 US-PATENT-CLASS-179-15 US-PATENT-CLASS-325-4 US-PATENT-CLASS-343-100 US-PATENT-3,546,386	N71-24738*	c 05	NASA-CASE-ARC-10100-1 US-PATENT-APPL-SN-797058 US-PATENT-CLASS-128-24 US-PATENT-CLASS-128-25 US-PATENT-3,550,585
N71-24170*	c 16	NASA-CASE-XLA-04295 US-PATENT-APPL-SN-546149 US-PATENT-CLASS-356-107 US-PATENT-3,468,609	N71-24622*	c 07	NASA-CASE-NPO-10388 US-PATENT-APPL-SN-725432 US-PATENT-CLASS-179-15	N71-24739*	c 06	NASA-CASE-ARC-10098-1 US-PATENT-APPL-SN-702967 US-PATENT-CLASS-260-2 5 US-PATENT-3,549,564
N71-24183*	c 18	NASA-CASE-XGS-04799 US-PATENT-APPL-SN-452944 US-PATENT-CLASS-106-84 US-PATENT-3,416,939				N71-24740*	c 06	NASA-CASE-XMF-03074 US-PATENT-APPL-SN-593595 US-PATENT-CLASS-260-72 5 US-PATENT-3,516,971
N71-24184*	c 18	NASA-CASE-XNP-02139 US-PATENT-APPL-SN-430777 US-PATENT-CLASS-106-84				N71-24741*	c 07	NASA-CASE-NPO-10118

		US-PATENT-APPL-SN-704465			US-PATENT-APPL-SN-698630	N71-24910*	c 15	NASA-CASE-ERC-10045
		US-PATENT-CLASS-235-152			US-PATENT-CLASS-333-83			US-PATENT-APPL-SN-763685
		US-PATENT-3,541,314			US-PATENT-3,541,479			US-PATENT-CLASS-73-40 7
N71-24742*	c 07	NASA-CASE-NPO-10140	N71-24842*	c 09	NASA-CASE-MSC-12209			US-PATENT-3,548,636
		US-PATENT-APPL-SN-691737			US-PATENT-APPL-SN-881039	N71-24911*	c 17	NASA-CASE-XLE-04946
		US-PATENT-CLASS-187-7 1			US-PATENT-CLASS-343-797			US-PATENT-APPL-SN-605093
		US-PATENT-3,541,250			US-PATENT-3,546,705			US-PATENT-CLASS-118-308
N71-24750*	c 31	NASA-CASE-XGS-01654	N71-24843*	c 09	NASA-CASE-XMF-06617			US-PATENT-3,472,202
		US-PATENT-APPL-SN-434148			US-PATENT-APPL-SN-656993	N71-24934*	c 18	NASA-CASE-NPO-10051
		US-PATENT-CLASS-102-50			US-PATENT-CLASS-324-71			US-PATENT-APPL-SN-711898
		US-PATENT-3,282,541			US-PATENT-3,541,439			US-PATENT-CLASS-73-38
N71-24798*	c 10	NASA-CASE-XLE-03061-1	N71-24844*	c 10	NASA-CASE-NPO-10169			US-PATENT-3,548,633
		US-PATENT-APPL-SN-632152			US-PATENT-APPL-SN-701733	N71-24948*	c 21	NASA-CASE-ERC-10090
		US-PATENT-CLASS-340-412			US-PATENT-CLASS-328-171			US-PATENT-APPL-SN-811542
		US-PATENT-3,546,694			US-PATENT-3,541,459			US-PATENT-CLASS-343-112
N71-24799*	c 10	NASA-CASE-XNP-06505	N71-24857*	c 23	NASA-CASE-XMS-06056-1			US-PATENT-3,550,129
		US-PATENT-APPL-SN-562933			US-PATENT-APPL-SN-532006	N71-24964*	c 11	NASA-CASE-NPO-10141
		US-PATENT-CLASS-307-254			US-PATENT-CLASS-350-189			US-PATENT-APPL-SN-673227
		US-PATENT-3,501,648			US-PATENT-3,472,577			US-PATENT-CLASS-62-55 5
N71-24800*	c 09	NASA-CASE-ERC-10075	N71-24858*	c 33	NASA-CASE-MFS-14253			US-PATENT-3,443,390
		US-PATENT-APPL-SN-775870			US-PATENT-APPL-SN-709622	N71-24984*	c 15	NASA-CASE-MFS-14971
		US-PATENT-CLASS-321-45			US-PATENT-CLASS-161-69			US-PATENT-APPL-SN-827579
		US-PATENT-3,539,905			US-PATENT-3,551,266			US-PATENT-CLASS-74-468
N71-24803*	c 09	NASA-CASE-NPO-10242	N71-24861*	c 10	NASA-CASE-XMF-05195			US-PATENT-3,541,875
		US-PATENT-APPL-SN-749181			US-PATENT-APPL-SN-785595	N71-24985*	c 11	NASA-CASE-KSC-10126
		US-PATENT-CLASS-307-88			US-PATENT-CLASS-318-599			US-PATENT-APPL-SN-845973
		US-PATENT-3,541,346			US-PATENT-3,523,228			US-PATENT-CLASS-73-15
N71-24804*	c 09	NASA-CASE-GSC-10299-1	N71-24862*	c 10	NASA-CASE-FRC-10010			US-PATENT-3,545,252
		US-PATENT-APPL-SN-836367			US-PATENT-APPL-SN-771937	N71-25139*	c 10	NASA-CASE-MFS-10068
		US-PATENT-CLASS-343-100			US-PATENT-CLASS-307-235			US-PATENT-APPL-SN-700541
		US-PATENT-3,540,050			US-PATENT-3,543,050			US-PATENT-CLASS-321-9
N71-24805*	c 09	NASA-CASE-XMF-06892	N71-24863*	c 10	NASA-CASE-XMF-02966			US-PATENT-3,487,288
		US-PATENT-APPL-SN-757875			US-PATENT-APPL-SN-560968	N71-25213*	c 28	NASA-CASE-GSC-10709-1
		US-PATENT-CLASS-318-318			US-PATENT-CLASS-324-70			US-PATENT-APPL-SN-791288
		US-PATENT-3,546,553			US-PATENT-3,406,336			US-PATENT-CLASS-60-202
N71-24806*	c 09	NASA-CASE-NPO-10198	N71-24864*	c 14	NASA-CASE-XLE-04503			US-PATENT-3,545,208
		US-PATENT-APPL-SN-723804			US-PATENT-APPL-SN-606463	N71-25351*	c 33	NASA-CASE-MFS-14023
		US-PATENT-CLASS-328-165			US-PATENT-CLASS-250-225			US-PATENT-APPL-SN-795217
		US-PATENT-3,550,023			US-PATENT-3,546,471			US-PATENT-CLASS-161-161
N71-24807*	c 09	NASA-CASE-MFS-14114-2	N71-24865*	c 15	NASA-CASE-XMF-05114-3			US-PATENT-CLASS-220-9
		US-PATENT-APPL-SN-854815			US-PATENT-APPL-SN-837378			US-PATENT-CLASS-52-249
		US-PATENT-CLASS-165-105			US-PATENT-CLASS-72-56			US-PATENT-CLASS-52-404
		US-PATENT-CLASS-165-107			US-PATENT-3,540,250			US-PATENT-CLASS-62-45
		US-PATENT-CLASS-165-138			NASA-CASE-ERC-10001			US-PATENT-3,540,615
		US-PATENT-CLASS-310-4			US-PATENT-APPL-SN-712099	N71-25353*	c 33	NASA-CASE-MFS-20355
		US-PATENT-3,537,515			US-PATENT-CLASS-350-310			US-PATENT-APPL-SN-845974
N71-24808*	c 09	NASA-CASE-XNP-08880			US-PATENT-3,540,802			US-PATENT-CLASS-165-104
		US-PATENT-APPL-SN-605094			NASA-CASE-XLA-06199	N71-24875*	c 15	US-PATENT-CLASS-165-105
		US-PATENT-CLASS-333-98			US-PATENT-APPL-SN-702911			US-PATENT-CLASS-165-133
		US-PATENT-3,416,106			US-PATENT-CLASS-148-6 11			US-PATENT-CLASS-219-378
N71-24809*	c 14	NASA-CASE-XNP-08961			US-PATENT-3,540,942			US-PATENT-CLASS-219-530
		US-PATENT-APPL-SN-661170			NASA-CASE-XNP-05524			US-PATENT-CLASS-244-1
		US-PATENT-CLASS-250-84			US-PATENT-APPL-SN-250567			US-PATENT-3,548,930
		US-PATENT-3,487,216			US-PATENT-CLASS-165-2	N71-25360*	c 32	NASA-CASE-XLA-08530
N71-24813*	c 31	NASA-CASE-XAC-06029-1			US-PATENT-3,270,802			US-PATENT-APPL-SN-808577
		US-PATENT-APPL-SN-588651			NASA-CASE-XKS-06167			US-PATENT-CLASS-73-90
		US-PATENT-CLASS-343-100			US-PATENT-APPL-SN-649076			US-PATENT-3,546,931
		US-PATENT-3,540,048			US-PATENT-CLASS-235-155	N71-25434*	c 31	NASA-CASE-MSC-13047-1
N71-24828*	c 16	NASA-CASE-XAC-10770-1			US-PATENT-3,535,497			US-PATENT-APPL-SN-850586
		US-PATENT-APPL-SN-690997			NASA-CASE-XNP-09759			US-PATENT-CLASS-244-1
		US-PATENT-CLASS-356-28			US-PATENT-APPL-SN-606462			US-PATENT-CLASS-244-113
		US-PATENT-3,547,540			US-PATENT-CLASS-235-92			US-PATENT-CLASS-244-138
N71-24830*	c 17	NASA-CASE-XNP-04148			US-PATENT-3,541,312			US-PATENT-3,547,376
		US-PATENT-APPL-SN-536210			NASA-CASE-NPO-10716	N71-25490*	c 26	NASA-CASE-ERC-10088
		US-PATENT-CLASS-204-38			US-PATENT-APPL-SN-851394			US-PATENT-APPL-SN-760927
		US-PATENT-3,472,742			US-PATENT-CLASS-307-102			US-PATENT-CLASS-73-141
N71-24831*	c 16	NASA-CASE-NPO-10548			US-PATENT-CLASS-317-123			US-PATENT-3,537,305
		US-PATENT-APPL-SN-775072			US-PATENT-CLASS-317-148 5			NASA-CASE-XNP-09469
		US-PATENT-CLASS-330-4			US-PATENT-3,549,955	N71-25555*	c 24	US-PATENT-APPL-SN-645573
		US-PATENT-3,486,123			NASA-CASE-ERC-10125			US-PATENT-CLASS-204-168
N71-24832*	c 16	NASA-CASE-ERC-10178			US-PATENT-APPL-SN-773029			US-PATENT-3,540,989
		US-PATENT-APPL-SN-800973			US-PATENT-CLASS-323-56			NASA-CASE-KSC-10002
		US-PATENT-CLASS-331-94 5			US-PATENT-3,541,428	N71-25865*	c 10	US-PATENT-APPL-SN-782956
		US-PATENT-3,550,034			NASA-CASE-XLA-07473			US-PATENT-CLASS-178-69 5
N71-24833*	c 15	NASA-CASE-XMF-03793			US-PATENT-APPL-SN-839935			US-PATENT-3,567,861
		US-PATENT-APPL-SN-453225			US-PATENT-CLASS-318-265	N71-25866*	c 09	NASA-CASE-ARC-10003-1
		US-PATENT-CLASS-72-56			US-PATENT-3,546,552			US-PATENT-APPL-SN-717822
		US-PATENT-3,360,972			NASA-CASE-ERC-10034			US-PATENT-CLASS-178-66
N71-24834*	c 15	NASA-CASE-XNP-05634			US-PATENT-APPL-SN-763706			US-PATENT-CLASS-179-100 2
		US-PATENT-APPL-SN-605096			US-PATENT-CLASS-250-43 5			US-PATENT-3,549,799
		US-PATENT-CLASS-73-95			US-PATENT-3,549,882	N71-25881*	c 18	NASA-CASE-XGS-05180
		US-PATENT-3,460,379			NASA-CASE-XLA-03538			US-PATENT-APPL-SN-721607
N71-24835*	c 15	NASA-CASE-NPO-10123			US-PATENT-APPL-SN-749149			US-PATENT-CLASS-260-37
		US-PATENT-APPL-SN-731388			US-PATENT-CLASS-294-83			US-PATENT-3,567,677
		US-PATENT-CLASS-128-272			US-PATENT-3,508,779			NASA-CASE-GSC-10022-1
		US-PATENT-CLASS-128-275			NASA-CASE-MFS-20395	N71-25882*	c 10	US-PATENT-APPL-SN-785546
		US-PATENT-3,540,449			US-PATENT-APPL-SN-830715			US-PATENT-CLASS-331-113
N71-24836*	c 15	NASA-CASE-XLE-08917-2			US-PATENT-CLASS-285-314			US-PATENT-3,559,096
		US-PATENT-APPL-SN-852131			US-PATENT-CLASS-285-317			NASA-CASE-XLA-04555-1
		US-PATENT-CLASS-72-60			US-PATENT-CLASS-285-38	N71-25892*	c 14	US-PATENT-APPL-SN-594584
		US-PATENT-3,541,825			US-PATENT-CLASS-285-406			US-PATENT-CLASS-148-13
N71-24840*	c 07	NASA-CASE-NPO-10649			US-PATENT-3,545,792			US-PATENT-3,468,727
		US-PATENT-APPL-SN-795182			NASA-CASE-MFS-20385	N71-25899*	c 10	NASA-CASE-LEW-10345-1
		US-PATENT-CLASS-325-113			US-PATENT-APPL-SN-853716			US-PATENT-APPL-SN-805298
		US-PATENT-3,541,450			US-PATENT-CLASS-310-10			US-PATENT-CLASS-137-81.5
N71-24841*	c 09	NASA-CASE-XNP-09771			US-PATENT-3,541,361			US-PATENT-CLASS-235-201

N71-25900*	c 10	US-PATENT-3,568,702 NASA-CASE-ERC-10032 US-PATENT-APPL-SN-757857 US-PATENT-CLASS-333-30 US-PATENT-CLASS-333-72	N71-26136*	c 14	US-PATENT-3,564,401 NASA-CASE-XLA-01782 US-PATENT-APPL-SN-576792 US-PATENT-CLASS-73-15.6 US-PATENT-3,472,060	N71-26293*	c 05	US-PATENT-APPL-SN-719870 US-PATENT-CLASS-325-67 US-PATENT-3,553,586 NASA-CASE-XFR-07658-1 US-PATENT-APPL-SN-586324 US-PATENT-CLASS-128-2 06 US-PATENT-3,426,746
N71-25901*	c 14	US-PATENT-3,568,103 NASA-CASE-XLA-02810 US-PATENT-APPL-SN-764252 US-PATENT-CLASS-250-43 5 US-PATENT-CLASS-250-83 3 US-PATENT-CLASS-340-233 US-PATENT-CLASS-340-285	N71-26137*	c 14	NASA-CASE-LAR-10305 US-PATENT-APPL-SN-811037 US-PATENT-CLASS-324-0 5 US-PATENT-CLASS-324-58 5 US-PATENT-3,562,631	N71-26294*	c 15	NASA-CASE-XNP-02862-1 US-PATENT-APPL-SN-556830 US-PATENT-CLASS-277-13 US-PATENT-3,468,548 NASA-CASE-XNP-01263-2 US-PATENT-APPL-SN-718279 US-PATENT-CLASS-287-189 365 US-PATENT-3,481,638
N71-25903*	c 17	US-PATENT-3,569,710 NASA-CASE-XLA-08966-1 US-PATENT-APPL-SN-570678 US-PATENT-CLASS-204-33 US-PATENT-3,468,765	N71-26142*	c 10	NASA-CASE-NPO-10302 US-PATENT-APPL-SN-848811 US-PATENT-CLASS-343-768 US-PATENT-3,553,704	N71-26312*	c 15	NASA-CASE-FRC-10005 US-PATENT-APPL-SN-756266 US-PATENT-CLASS-33-189 US-PATENT-3,562,919
N71-25914*	c 16	US-PATENT-3,468,765 NASA-CASE-XLA-03410 US-PATENT-APPL-SN-512561 US-PATENT-CLASS-250-199 US-PATENT-3,469,087	N71-26148*	c 15	NASA-CASE-XMF-05114-2 US-PATENT-APPL-SN-837377 US-PATENT-CLASS-72-56 US-PATENT-3,555,867	N71-26331*	c 10	NASA-CASE-XNP-10854 US-PATENT-APPL-SN-688248 US-PATENT-CLASS-330-31 US-PATENT-3,482,179
N71-25917*	c 10	NASA-CASE-NPO-10595 US-PATENT-APPL-SN-771760 US-PATENT-CLASS-340-347 US-PATENT-3,569,956	N71-26153*	c 18	NASA-CASE-XLE-03940 US-PATENT-APPL-SN-539255 US-PATENT-CLASS-148-126 US-PATENT-3,472,709	N71-26333*	c 05	NASA-CASE-XMS-09652-1 US-PATENT-APPL-SN-618969 US-PATENT-CLASS-2-6 US-PATENT-3,473,165
N71-25929*	c 06	NASA-CASE-NPO-10596 US-PATENT-APPL-SN-756381 US-PATENT-CLASS-260-2 5 US-PATENT-3,557,027	N71-26154*	c 16	NASA-CASE-ERC-10020 US-PATENT-APPL-SN-709399 US-PATENT-CLASS-350-3 5 US-PATENT-3,540,790	N71-26334*	c 10	NASA-CASE-XLA-02619 US-PATENT-APPL-SN-796691 US-PATENT-CLASS-317-DIG 3 US-PATENT-CLASS-317-153 US-PATENT-CLASS-340-235 US-PATENT-3,575,641
N71-25950*	c 10	NASA-CASE-XGS-06226 US-PATENT-APPL-SN-676387 US-PATENT-CLASS-331-113 US-PATENT-3,466,570	N71-26155*	c 18	NASA-CASE-LAR-10373-1 US-PATENT-APPL-SN-761007 US-PATENT-CLASS-260-2 5 US-PATENT-3,481,887	N71-26339*	c 10	NASA-CASE-NPO-10185 US-PATENT-APPL-SN-723805 US-PATENT-CLASS-73-432 US-PATENT-3,472,080
N71-25975*	c 15	NASA-CASE-XMS-10660-1 US-PATENT-APPL-SN-797056 US-PATENT-CLASS-24-205 17 US-PATENT-3,469,289	N71-26161*	c 14	US-PATENT-CLASS-73-12 US-PATENT-CLASS-73-79 US-PATENT-3,576,127	N71-26346*	c 15	NASA-CASE-XLE-05641-1 US-PATENT-APPL-SN-605091 US-PATENT-CLASS-72-61 US-PATENT-3,461,700
N71-25999*	c 09	US-PATENT-CLASS-318-138 US-PATENT-CLASS-318-254 US-PATENT-3,569,804 NASA-CASE-XNP-08567 US-PATENT-APPL-SN-640783 US-PATENT-CLASS-307-88 US-PATENT-3,466,459	N71-26162*	c 15	NASA-CASE-MS-10625 US-PATENT-APPL-SN-878731 US-PATENT-CLASS-24-263 US-PATENT-3,564,564	N71-26374*	c 10	NASA-CASE-GSC-11367 US-PATENT-APPL-SN-675238 US-PATENT-CLASS-331-18 US-PATENT-3,484,712
N71-26000*	c 09	US-PATENT-CLASS-310-168 US-PATENT-CLASS-310-254 US-PATENT-CLASS-318-138 US-PATENT-CLASS-318-254 US-PATENT-3,569,804 NASA-CASE-XNP-08567 US-PATENT-APPL-SN-640783 US-PATENT-CLASS-307-88 US-PATENT-3,466,459	N71-26173*	c 28	NASA-CASE-LEW-10689-1 US-PATENT-APPL-SN-830978 US-PATENT-CLASS-60-202 US-PATENT-3,552,125	N71-26387*	c 12	NASA-CASE-XLA-05541 US-PATENT-APPL-SN-700986 US-PATENT-CLASS-73-301 US-PATENT-3,473,379
N71-26002*	c 09	NASA-CASE-XMS-04213-1 US-PATENT-APPL-SN-607484 US-PATENT-CLASS-128-2 1 US-PATENT-3,468,303	N71-26181*	c 07	NASA-CASE-MS-12223-1 US-PATENT-APPL-SN-839941 US-PATENT-CLASS-179-1 US-PATENT-3,555,192	N71-26414*	c 10	NASA-CASE-XMF-04958-1 US-PATENT-APPL-SN-448385 US-PATENT-CLASS-321-69 US-PATENT-3,434,037
N71-26084*	c 03	NASA-CASE-LEW-11358 US-PATENT-APPL-SN-787906 US-PATENT-CLASS-136-6 US-PATENT-3,554,806	N71-26182*	c 09	NASA-CASE-NPO-10625 US-PATENT-APPL-SN-856415 US-PATENT-CLASS-313-236 US-PATENT-CLASS-313-237 US-PATENT-CLASS-60-23 US-PATENT-3,562,575	N71-26415*	c 10	NASA-CASE-NPO-10003 US-PATENT-APPL-SN-638192 US-PATENT-CLASS-330-13 US-PATENT-3,461,393
N71-26085*	c 10	NASA-CASE-GSC-10735-1 US-PATENT-APPL-SN-863963 US-PATENT-CLASS-321-2 US-PATENT-3,559,031	N71-26185*	c 15	NASA-CASE-MFS-14711 US-PATENT-APPL-SN-774266 US-PATENT-CLASS-55-75 US-PATENT-3,557,534	N71-26418*	c 10	NASA-CASE-XGS-04224 US-PATENT-APPL-SN-568364 US-PATENT-CLASS-340-174 US-PATENT-3,483,535
N71-26092*	c 09	NASA-CASE-XNP-07477 US-PATENT-APPL-SN-605098 US-PATENT-CLASS-318-258 US-PATENT-3,501,684	N71-26189*	c 15	NASA-CASE-XLE-09527-4 US-PATENT-APPL-SN-840870 US-PATENT-CLASS-308-187 US-PATENT-3,561,828	N71-26434*	c 10	NASA-CASE-XNP-01466 US-PATENT-APPL-SN-487940 US-PATENT-CLASS-340-174 US-PATENT-3,461,437
N71-26100*	c 18	NASA-CASE-XLA-04251 US-PATENT-APPL-SN-657742 US-PATENT-CLASS-117-104 US-PATENT-3,553,002	N71-26199*	c 14	NASA-CASE-NPO-10691 US-PATENT-APPL-SN-816988 US-PATENT-CLASS-73-61 US-PATENT-3,566,676	N71-26474*	c 14	NASA-CASE-XMF-03844-1 US-PATENT-APPL-SN-601229 US-PATENT-CLASS-95-44 US-PATENT-3,472,140
N71-26101*	c 07	NASA-CASE-NPO-10231 US-PATENT-APPL-SN-701767 US-PATENT-CLASS-343-786 US-PATENT-3,534,376	N71-26206*	c 23	NASA-CASE-XGS-08269 US-PATENT-APPL-SN-787393 US-PATENT-CLASS-356-76 US-PATENT-3,554,647	N71-26475*	c 14	NASA-CASE-XNP-09701 US-PATENT-APPL-SN-584015 US-PATENT-CLASS-250-83 3 US-PATENT-3,461,290
N71-26102*	c 07	NASA-CASE-XNP-06611 US-PATENT-APPL-SN-593607 US-PATENT-CLASS-178-6 6 US-PATENT-3,474,192	N71-26243*	c 15	NASA-CASE-MS-10959 US-PATENT-APPL-SN-725719 US-PATENT-CLASS-188-1 US-PATENT-3,420,338	N71-26531*	c 10	NASA-CASE-GSC-10413 US-PATENT-APPL-SN-789043 US-PATENT-CLASS-317-20 US-PATENT-CLASS-317-33 US-PATENT-3,555,361
N71-26103*	c 10	NASA-CASE-XNP-04623 US-PATENT-APPL-SN-510150 US-PATENT-CLASS-340-146 1 US-PATENT-3,474,413	N71-26244*	c 14	NASA-CASE-XMS-06497 US-PATENT-APPL-SN-617778 US-PATENT-CLASS-324-115 US-PATENT-3,464,012	N71-26537*	c 31	NASA-CASE-GSC-10556-1 NASA-CASE-GSC-10557-1 US-PATENT-APPL-SN-808193 US-PATENT-CLASS-244-1 US-PATENT-CLASS-308-1 US-PATENT-CLASS-74-5 12 US-PATENT-3,554,466
N71-26110*	c 02	NASA-CASE-LAR-10249-1 US-PATENT-APPL-SN-835060 US-PATENT-CLASS-244-42 US-PATENT-3,576,301	N71-26266*	c 14	NASA-CASE-XNP-09830 US-PATENT-APPL-SN-632165 US-PATENT-CLASS-324-0 5 US-PATENT-3,474,328	N71-26544*	c 10	NASA-CASE-NPO-10344 US-PATENT-APPL-SN-732921 US-PATENT-CLASS-340-347 US-PATENT-3,566,396 NASA-CASE-FRC-10022 US-PATENT-APPL-SN-763729 US-PATENT-CLASS-73-194 US-PATENT-3,555,898
N71-26133*	c 09	NASA-CASE-MFS-20075 US-PATENT-APPL-SN-835059 US-PATENT-CLASS-317-101 US-PATENT-CLASS-339-17 US-PATENT-3,575,638	N71-26285*	c 18	US-PATENT-CLASS-2-275 US-PATENT-CLASS-2-81 US-PATENT-CLASS-2-81 US-PATENT-3,563,198	N71-26546*	c 12	NASA-CASE-NPO-10214 US-PATENT-APPL-SN-704299 US-PATENT-CLASS-325-41
N71-26134*	c 15	NASA-CASE-XKS-07953 US-PATENT-APPL-SN-725405 US-PATENT-CLASS-51-170 US-PATENT-3,553,904	N71-26291*	c 07	NASA-CASE-HQN-10541-1 US-PATENT-APPL-SN-494739 US-PATENT-CLASS-350-96 US-PATENT-3,556,634	N71-26577*	c 10	
N71-26135*	c 14	NASA-CASE-XAC-03740 US-PATENT-APPL-SN-480211 US-PATENT-CLASS-324-43	N71-26292*	c 07	NASA-CASE-XKS-10543			

ACCESSION NUMBER INDEX

N71-28892

N71-27233*	c 07	NASA-CASE-GSC-10220-1 US-PATENT-APPL-SN-759256 US-PATENT-CLASS-343-777 US-PATENT-CLASS-343-786 US-PATENT-CLASS-343-799 US-PATENT-CLASS-343-840 US-PATENT-CLASS-343-854 US-PATENT-3,569,976	N71-27407*	c 14	NASA-CASE-GSC-10376-1 US-PATENT-APPL-SN-806226 US-PATENT-CLASS-307-126 US-PATENT-CLASS-323-20 US-PATENT-3,566,143	N71-28729*	c 18	US-PATENT-APPL-SN-723488 US-PATENT-CLASS-204-30 US-PATENT-3,576,723 NASA-CASE-LEW-10219-1 US-PATENT-APPL-SN-785780 US-PATENT-CLASS-148-126 US-PATENT-3,579,390
N71-27234*	c 05	NASA-CASE-XFR-07172 US-PATENT-APPL-SN-720041 US-PATENT-CLASS-128-2 05 US-PATENT-3,563,232	N71-27432*	c 15	NASA-CASE-NPO-10808 US-PATENT-APPL-SN-808192 US-PATENT-CLASS-60-243 US-PATENT-3,568,447	N71-28739*	c 10	NASA-CASE-XNP-01068 US-PATENT-APPL-SN-375680 US-PATENT-CLASS-307-88 5 US-PATENT-3,271,594
N71-27254*	c 06	NASA-CASE-NPO-10768 US-PATENT-APPL-SN-770398 US-PATENT-CLASS-260-615 US-PATENT-3,574,770	N71-27585*	c 28	NASA-CASE-MFS-20130 US-PATENT-APPL-SN-809822 US-PATENT-CLASS-244-4 US-PATENT-3,570,785	N71-28740*	c 15	NASA-CASE-XLA-09346 US-PATENT-APPL-SN-820964 US-PATENT-CLASS-356-150 US-PATENT-CLASS-356-152 US-PATENT-CLASS-356-153 US-PATENT-CLASS-73-147 US-PATENT-3,583,815
N71-27255*	c 08	NASA-CASE-NPO-12107 US-PATENT-APPL-SN-555189 US-PATENT-CLASS-179-100 2 US-PATENT-CLASS-340-146 1 US-PATENT-CLASS-340-172 5 US-PATENT-3,571,801	N71-27754*	c 15	NASA-CASE-ARC-10131-1 US-PATENT-APPL-SN-808576 US-PATENT-CLASS-60-51 US-PATENT-CLASS-91-361 US-PATENT-CLASS-91-390 US-PATENT-CLASS-91-448 US-PATENT-3,568,572	N71-28741*	c 12	NASA-CASE-XLE-09341 US-PATENT-APPL-SN-780065 US-PATENT-CLASS-137-81 5 US-PATENT-3,583,419 NASA-CASE-XNP-08881 US-PATENT-APPL-SN-732922 US-PATENT-CLASS-161-819 US-PATENT-3,579,412
N71-27271*	c 10	NASA-CASE-XLA-03893 US-PATENT-APPL-SN-779024 US-PATENT-CLASS-331-109 US-PATENT-CLASS-331-117 US-PATENT-CLASS-331-177 US-PATENT-CLASS-332-30 US-PATENT-3,569,866	N71-27862*	c 33	NASA-CASE-MFS-14114 US-PATENT-APPL-SN-706013 US-PATENT-CLASS-310-4 US-PATENT-3,535,562	N71-28747*	c 17	NASA-CASE-XNP-08881 US-PATENT-APPL-SN-732922 US-PATENT-CLASS-161-819 US-PATENT-3,579,412 NASA-CASE-LEW-10250-1 US-PATENT-APPL-SN-732455 US-PATENT-CLASS-176-45 US-PATENT-3,574,057
N71-27272*	c 10	NASA-CASE-XLA-08799 US-PATENT-APPL-SN-668242 US-PATENT-CLASS-340-150 US-PATENT-CLASS-340-164 US-PATENT-CLASS-340-166 US-PATENT-CLASS-340-213 US-PATENT-CLASS-340-403 US-PATENT-3,571,800	N71-28421*	c 09	NASA-CASE-NPO-10412 US-PATENT-APPL-SN-768470 US-PATENT-CLASS-310-4 US-PATENT-3,578,992	N71-28779*	c 11	NASA-CASE-XNP-00250 US-PATENT-APPL-SN-212497 US-PATENT-CLASS-181- 5 US-PATENT-3,260,326 NASA-CASE-XMS-02182 US-PATENT-APPL-SN-516153 US-PATENT-CLASS-317-100 US-PATENT-3,317,797
N71-27323*	c 14	NASA-CASE-NPO-10810 US-PATENT-APPL-SN-805405 US-PATENT-CLASS-250-83 3 US-PATENT-CLASS-73-355 US-PATENT-3,566,122	N71-28429*	c 07	NASA-CASE-MSC-13201-1 US-PATENT-APPL-SN-789903 US-PATENT-CLASS-332-29 US-PATENT-CLASS-332-30 US-PATENT-3,579,147	N71-28783*	c 10	NASA-CASE-XMS-02182 US-PATENT-APPL-SN-516153 US-PATENT-CLASS-317-100 US-PATENT-3,317,797 NASA-CASE-XMF-08674 US-PATENT-APPL-SN-617775 US-PATENT-CLASS-260-47 US-PATENT-3,370,039
N71-27324*	c 21	NASA-CASE-GSC-10555-1 US-PATENT-APPL-SN-785620 US-PATENT-CLASS-244-1 US-PATENT-3,567,155	N71-28430*	c 07	NASA-CASE-GSC-10668-1 US-PATENT-APPL-SN-743525 US-PATENT-CLASS-307-296 US-PATENT-CLASS-325-185 US-PATENT-CLASS-330-124 US-PATENT-CLASS-330-200 US-PATENT-CLASS-330-40 US-PATENT-3,577,092	N71-28807*	c 06	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27325*	c 14	NASA-CASE-GSC-10441-1 US-PATENT-APPL-SN-782544 US-PATENT-CLASS-324-43 US-PATENT-3,571,700	N71-28465*	c 15	NASA-CASE-ERC-10097 US-PATENT-APPL-SN-797059 US-PATENT-CLASS-308-170 US-PATENT-3,583,777	N71-28808*	c 06	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27326*	c 12	NASA-CASE-NPO-10416 US-PATENT-APPL-SN-754020 US-PATENT-CLASS-137-81 5 US-PATENT-3,570,513	N71-28467*	c 15	NASA-CASE-NPO-10646 US-PATENT-APPL-SN-813488 US-PATENT-CLASS-64-18 US-PATENT-3,574,277	N71-28809*	c 07	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27332*	c 12	NASA-CASE-NPO-10416 US-PATENT-APPL-SN-754020 US-PATENT-CLASS-137-81 5 US-PATENT-3,570,513	N71-28468*	c 09	NASA-CASE-ARC-10137-1 US-PATENT-APPL-SN-799013 US-PATENT-CLASS-307-265 US-PATENT-CLASS-307-273 US-PATENT-CLASS-307-288 US-PATENT-CLASS-328-207 US-PATENT-3,584,311	N71-28810*	c 09	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27333*	c 12	NASA-CASE-NPO-10416 US-PATENT-APPL-SN-754020 US-PATENT-CLASS-137-81 5 US-PATENT-3,570,513	N71-28469*	c 09	NASA-CASE-ARC-10137-1 US-PATENT-APPL-SN-799013 US-PATENT-CLASS-307-265 US-PATENT-CLASS-307-273 US-PATENT-CLASS-307-288 US-PATENT-CLASS-328-207 US-PATENT-3,584,311	N71-28849*	c 28	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27334*	c 14	NASA-CASE-ERC-10087 US-PATENT-APPL-SN-738315 US-PATENT-CLASS-29-588 US-PATENT-3,566,459	N71-28554*	c 16	NASA-CASE-XGS-10518 US-PATENT-APPL-SN-764470 US-PATENT-CLASS-335-216 US-PATENT-3,541,486	N71-28850*	c 28	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27338*	c 10	NASA-CASE-KSC-10020 US-PATENT-APPL-SN-817482 US-PATENT-CLASS-324-103 US-PATENT-CLASS-324-107 US-PATENT-CLASS-324-133 US-PATENT-CLASS-340-248 US-PATENT-3,571,707	N71-28579*	c 03	US-PATENT-3,541,486 NASA-CASE-LEW-11359 US-PATENT-APPL-SN-787911 US-PATENT-CLASS-136-83 US-PATENT-3,573,986	N71-28851*	c 31	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27341*	c 07	NASA-CASE-NPO-10343 US-PATENT-APPL-SN-750786 US-PATENT-CLASS-178-7 1 US-PATENT-CLASS-178-7 3 US-PATENT-3,566,027	N71-28582*	c 15	NASA-CASE-LEW-10278-1 US-PATENT-APPL-SN-760928 US-PATENT-CLASS-117-224 US-PATENT-3,573,977	N71-28852*	c 33	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27363*	c 06	NASA-CASE-HQN-10364 US-PATENT-APPL-SN-713616 US-PATENT-CLASS-260-2 US-PATENT-3,563,918	N71-28618*	c 09	NASA-CASE-ERC-10098 US-PATENT-APPL-SN-779169 US-PATENT-CLASS-178-5 2R US-PATENT-CLASS-178-54CF US-PATENT-CLASS-178-54PE US-PATENT-3,582,960	N71-28859*	c 10	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27364*	c 09	NASA-CASE-ERC-10065 US-PATENT-APPL-SN-777818 US-PATENT-CLASS-321-61 US-PATENT-CLASS-321-64 US-PATENT-CLASS-322-32 US-PATENT-3,571,693	N71-28619*	c 05	NASA-CASE-ARC-10153 US-PATENT-APPL-SN-783377 US-PATENT-CLASS-104-1 US-PATENT-CLASS-104-139 US-PATENT-CLASS-119-96 US-PATENT-CLASS-238-1 US-PATENT-CLASS-248-361 US-PATENT-CLASS-272-70 US-PATENT-CLASS-35-29 US-PATENT-3,583,322	N71-28860*	c 10	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27365*	c 10	NASA-CASE-NPO-10251 US-PATENT-APPL-SN-774265 US-PATENT-CLASS-35-19 US-PATENT-3,570,143	N71-28620*	c 06	NASA-CASE-NPO-10701 US-PATENT-APPL-SN-763355 US-PATENT-CLASS-260-47 US-PATENT-3,576,786	N71-28863*	c 14	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27366*	c 10	NASA-CASE-GSC-10114-1 US-PATENT-APPL-SN-796370 US-PATENT-CLASS-317-33 US-PATENT-CLASS-321-12 US-PATENT-3,571,662	N71-28629*	c 11	NASA-CASE-KSC-10198 US-PATENT-APPL-SN-845971 US-PATENT-CLASS-73-15 US-PATENT-CLASS-73-432 US-PATENT-3,578,756	N71-28886*	c 09	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27372*	c 15	NASA-CASE-NPO-10070 US-PATENT-APPL-SN-780064 US-PATENT-CLASS-23-259 US-PATENT-3,565,584	N71-28691*	c 09	NASA-CASE-MFS-13687 US-PATENT-APPL-SN-763355 US-PATENT-CLASS-260-47 US-PATENT-3,576,786	N71-28892*	c 33	US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27397*	c 18	NASA-CASE-XNP-02500 US-PATENT-APPL-SN-508169 US-PATENT-CLASS-324-58 5						US-PATENT-APPL-SN-723488 US-PATENT-CLASS-204-30 US-PATENT-3,576,723 NASA-CASE-LEW-10219-1 US-PATENT-APPL-SN-785780 US-PATENT-CLASS-148-126 US-PATENT-3,579,390 NASA-CASE-XNP-01068 US-PATENT-APPL-SN-375680 US-PATENT-CLASS-307-88 5 US-PATENT-3,271,594 NASA-CASE-XLA-09346 US-PATENT-APPL-SN-820964 US-PATENT-CLASS-356-150 US-PATENT-CLASS-356-152 US-PATENT-CLASS-356-153 US-PATENT-CLASS-73-147 US-PATENT-3,583,815 NASA-CASE-XLE-09341 US-PATENT-APPL-SN-780065 US-PATENT-CLASS-137-81 5 US-PATENT-3,583,419 NASA-CASE-XNP-08881 US-PATENT-APPL-SN-732922 US-PATENT-CLASS-161-819 US-PATENT-3,579,412 NASA-CASE-LEW-10250-1 US-PATENT-APPL-SN-732455 US-PATENT-CLASS-176-45 US-PATENT-3,574,057 NASA-CASE-XNP-00250 US-PATENT-APPL-SN-212497 US-PATENT-CLASS-181- 5 US-PATENT-3,260,326 NASA-CASE-XMS-02182 US-PATENT-APPL-SN-516153 US-PATENT-CLASS-317-100 US-PATENT-3,317,797 NASA-CASE-XMF-08674 US-PATENT-APPL-SN-617775 US-PATENT-CLASS-260-47 US-PATENT-3,370,039 NASA-CASE-XNP-04023 US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184 NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400 NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749 NASA-CASE-XMS-04826 US-PATENT-APPL-SN-521755 US-PATENT-CLASS-60-258 US-PATENT-3,318,096 NASA-CASE-XNP-01954 US-PATENT-APPL-SN-372730 US-PATENT-CLASS-313-230 US-PATENT-3,328,624 NASA-CASE-XMS-06162 US-PATENT-APPL-SN-610724 US-PATENT-CLASS-244-138 US-PATENT-3,330,510 NASA-CASE-XNP-01310 US-PATENT-APPL-SN-379771 US-PATENT-CLASS-60-226 US-PATENT-3,279,193 NASA-CASE-XNP-01107 US-PATENT-APPL-SN-384010 US-PATENT-CLASS-330-51 US-PATENT-3,389,346 NASA-CASE-MSC-13492-1 US-PATENT-APPL-SN-53156 US-PATENT-CLASS-307-215 US-PATENT-CLASS-307-265 US-PATENT-CLASS-307-273 US-PATENT-CLASS-328-207 US-PATENT-CLASS-328-92 US-PATENT-3,577,014 NASA-CASE-ERC-10014 US-PATENT-APPL-SN-815367 US-PATENT-CLASS-250-41 9 US-PATENT-CLASS-250-49 5 US-PATENT-3,587,927 NASA-CASE-MFS-14610 US-PATENT-APPL-SN-885571 US-PATENT-CLASS-318-317 US-PATENT-CLASS-318-331 US-PATENT-CLASS-318-345 US-PATENT-CLASS-318-504 US-PATENT-3,573,583 NASA-CASE-XMF-05046 US-PATENT-APPL-SN-559350

		US-PATENT-CLASS-62-45		US-PATENT-APPL-SN-838630	N71-29128*	c 02	NASA-CASE-XAC-00048
		US-PATENT-3,365,897		US-PATENT-CLASS-250-219			US-PATENT-APPL-SN-765264
N71-28900*	c 07	NASA-CASE-XNP-02389		US-PATENT-CLASS-356-209			US-PATENT-CLASS-121-38
		US-PATENT-APPL-SN-516162		US-PATENT-3,574,470			US-PATENT-2,898,889
		US-PATENT-CLASS-343-100	N71-28994*	NASA-CASE-XER-11203	N71-29129*	c 03	NASA-CASE-XGS-01674
		US-PATENT-3,331,071		US-PATENT-APPL-SN-815366			US-PATENT-APPL-SN-248985
N71-28903*	c 33	NASA-CASE-XLA-01745		US-PATENT-CLASS-250-218			US-PATENT-CLASS-320-13
		US-PATENT-APPL-SN-538907		US-PATENT-CLASS-356-103			US-PATENT-3,118,100
		US-PATENT-CLASS-244-1		US-PATENT-3,578,867	N71-29131*	c 16	NASA-CASE-ERC-10151
		US-PATENT-3,409,247	N71-29008*	NASA-CASE-MS-11277			US-PATENT-APPL-SN-853856
N71-28915*	c 28	NASA-CASE-LEW-10286-1		US-PATENT-APPL-SN-771759			US-PATENT-CLASS-350-3.5
		US-PATENT-APPL-SN-839994		US-PATENT-CLASS-317-155 5			US-PATENT-3,578,838
		US-PATENT-CLASS-431-352		US-PATENT-CLASS-317-33	N71-29132*	c 15	NASA-CASE-NPO-10431
		US-PATENT-CLASS-60-39 36		US-PATENT-CLASS-317-54			US-PATENT-APPL-SN-865329
		US-PATENT-CLASS-60-39 65		US-PATENT-CLASS-317-60			US-PATENT-CLASS-73-49 8
		US-PATENT-3,581,492		US-PATENT-3,579,041			US-PATENT-3,583,239
N71-28925*	c 08	NASA-CASE-XNP-01012	N71-29018*	NASA-CASE-XLA-08916	N71-29133*	c 15	NASA-CASE-MFS-20453
		US-PATENT-APPL-SN-369338		US-PATENT-APPL-SN-777765			US-PATENT-APPL-SN-885594
		US-PATENT-CLASS-340-174		US-PATENT-CLASS-29-421			US-PATENT-CLASS-29-278R
		US-PATENT-3,394,359		US-PATENT-3,583,058			US-PATENT-CLASS-294-15
N71-28926*	c 09	NASA-CASE-XMS-03542	N71-29032*	NASA-CASE-XMF-05999			US-PATENT-CLASS-339-17R
		US-PATENT-APPL-SN-482952		US-PATENT-APPL-SN-752946			US-PATENT-CLASS-81-3R
		US-PATENT-CLASS-307-263		US-PATENT-CLASS-117-212			US-PATENT-3,583,744
		US-PATENT-3,364,366		US-PATENT-3,576,669	N71-29134*	c 14	NASA-CASE-MFS-11204
		NASA-CASE-XNP-00816	N71-29033*	NASA-CASE-GSC-10554			US-PATENT-APPL-SN-845991
		US-PATENT-APPL-SN-235588		US-PATENT-APPL-SN-828984			US-PATENT-CLASS-73-1R
		US-PATENT-CLASS-253-77		US-PATENT-CLASS-235-150 1			US-PATENT-CLASS-73-304C
		US-PATENT-3,202,398		US-PATENT-CLASS-235-150 2			US-PATENT-3,578,755
N71-28929*	c 27	NASA-CASE-XNP-00650		US-PATENT-CLASS-235-150 27	N71-29135*	c 10	NASA-CASE-GSC-10564
		US-PATENT-APPL-SN-271823		US-PATENT-CLASS-235-151 1			US-PATENT-APPL-SN-292596
		US-PATENT-CLASS-60-39 48		US-PATENT-3,578,957			US-PATENT-CLASS-340-174
		US-PATENT-3,170,295	N71-29034*	NASA-CASE-NPO-11088			US-PATENT-3,348,218
N71-28933*	c 14	NASA-CASE-XLA-08913		US-PATENT-APPL-SN-887701	N71-29136*	c 15	NASA-CASE-XLA-00013
		US-PATENT-APPL-SN-865109		US-PATENT-CLASS-307-207			US-PATENT-APPL-SN-579121
		US-PATENT-CLASS-204-263		US-PATENT-CLASS-307-222			US-PATENT-CLASS-308-177
		US-PATENT-3,574,084		US-PATENT-CLASS-328-167			US-PATENT-2,903,307
N71-28935*	c 14	NASA-CASE-LAR-10686		US-PATENT-CLASS-328-44	N71-29137*	c 17	NASA-CASE-XNP-04339
		US-PATENT-APPL-SN-280362		US-PATENT-3,579,122			US-PATENT-APPL-SN-451596
		US-PATENT-CLASS-226-58	N71-29035*	NASA-CASE-LEW-10155-1			US-PATENT-CLASS-264-111
		US-PATENT-3,298,582		US-PATENT-APPL-SN-889387			US-PATENT-3,413,393
N71-28936*	c 15	NASA-CASE-XMS-10993		US-PATENT-CLASS-337-114	N71-29138*	c 08	NASA-CASE-ERC-10041
		US-PATENT-APPL-SN-660573		US-PATENT-CLASS-337-121			US-PATENT-APPL-SN-889478
		US-PATENT-CLASS-244-1		US-PATENT-3,579,168			US-PATENT-CLASS-307-234
		US-PATENT-3,389,877	N71-29040*	NASA-CASE-XLE-10910			US-PATENT-CLASS-307-265
N71-28937*	c 15	NASA-CASE-XNP-01855		US-PATENT-APPL-SN-751061			US-PATENT-CLASS-324-106
		US-PATENT-APPL-SN-408435		US-PATENT-CLASS-148-6			US-PATENT-CLASS-328-58
		US-PATENT-CLASS-285-45		US-PATENT-3,573,996			US-PATENT-CLASS-332-10
		US-PATENT-3,219,365	N71-29041*	NASA-CASE-XLA-10402			US-PATENT-CLASS-332-9R
N71-28951*	c 15	NASA-CASE-XNP-02278		US-PATENT-APPL-SN-762935			US-PATENT-3,579,146
		US-PATENT-APPL-SN-11853		US-PATENT-CLASS-356-76	N71-29139*	c 09	NASA-CASE-XLA-07788
		US-PATENT-CLASS-60-35 55		US-PATENT-3,574,462			US-PATENT-APPL-SN-874732
		US-PATENT-3,132,479	N71-29044*	NASA-CASE-XMS-02063			US-PATENT-CLASS-307-215
N71-28952*	c 15	NASA-CASE-XAC-00001		US-PATENT-APPL-SN-422096			US-PATENT-CLASS-307-247
		US-PATENT-APPL-SN-612568		US-PATENT-CLASS-136-86			US-PATENT-CLASS-307-265
		US-PATENT-CLASS-318-31		US-PATENT-3,382,105			US-PATENT-CLASS-307-273
		US-PATENT-2,837,706	N71-29046*	NASA-CASE-XHQ-03673			US-PATENT-CLASS-307-294
N71-28958*	c 14	NASA-CASE-XNP-02792		US-PATENT-APPL-SN-559055			US-PATENT-CLASS-328-207
		US-PATENT-APPL-SN-262596		US-PATENT-CLASS-165-86			US-PATENT-3,578,988
		US-PATENT-CLASS-219-413		US-PATENT-3,347,309	N71-29151*	c 33	NASA-CASE-XLE-00035
		US-PATENT-3,197,616	N71-29049*	NASA-CASE-XNP-06503			US-PATENT-APPL-SN-575291
N71-28959*	c 15	NASA-CASE-XNP-01848		US-PATENT-APPL-SN-370989			US-PATENT-CLASS-204-37
		US-PATENT-APPL-SN-359532		US-PATENT-CLASS-335-216			US-PATENT-2,926,123
		US-PATENT-CLASS-64-27		US-PATENT-3,273,094	N71-29152*	c 33	NASA-CASE-XLE-00027
		US-PATENT-3,236,066		NASA-CASE-HQN-00936			US-PATENT-APPL-SN-529594
N71-28960*	c 10	NASA-CASE-XNP-00745		US-PATENT-APPL-SN-862921			US-PATENT-CLASS-253-39 1
		US-PATENT-APPL-SN-314570		US-PATENT-CLASS-244-1			US-PATENT-2,956,772
		US-PATENT-CLASS-328-67		US-PATENT-3,396,920	N71-29153*	c 28	NASA-CASE-MFS-20831
		US-PATENT-3,252,100	N71-29051*	NASA-CASE-XMF-04208			US-PATENT-APPL-SN-238421
N71-28963*	c 16	NASA-CASE-XLA-01090		US-PATENT-APPL-SN-428887			US-PATENT-CLASS-60-35 54
		US-PATENT-APPL-SN-274065		US-PATENT-CLASS-73-190			US-PATENT-3,212,259
		US-PATENT-CLASS-250-199		US-PATENT-3,372,588	N71-29154*	c 28	NASA-CASE-XLE-00155
		US-PATENT-3,215,842	N71-29052*	NASA-CASE-MS-12389			US-PATENT-APPL-SN-348600
N71-28965* #	c 07	NASA-CASE-GSC-10949-1		US-PATENT-APPL-SN-229286			US-PATENT-CLASS-253-77
		US-PATENT-APPL-SN-94369		US-PATENT-CLASS-165-47			US-PATENT-2,997,274
N71-28979*	c 07	NASA-CASE-HQN-00937		US-PATENT-3,212,564	N71-29155*	c 27	NASA-CASE-MS-12390
		US-PATENT-APPL-SN-343760		NASA-CASE-HQN-00938			US-PATENT-APPL-SN-231520
		US-PATENT-CLASS-343-823	N71-29053*	US-PATENT-APPL-SN-300957			US-PATENT-CLASS-222-61
		US-PATENT-3,299,431		US-PATENT-CLASS-60-267			US-PATENT-3,286,882
N71-28980*	c 07	NASA-CASE-XLA-10772		US-PATENT-3,298,175	N71-29156*	c 26	NASA-CASE-XNP-01961
		US-PATENT-APPL-SN-887700	N71-29065*	NASA-CASE-ERC-10011			US-PATENT-APPL-SN-442835
		US-PATENT-CLASS-343-708		US-PATENT-APPL-SN-802818			US-PATENT-CLASS-148-174
		US-PATENT-CLASS-343-784		US-PATENT-CLASS-333-81			US-PATENT-3,397,094
		US-PATENT-CLASS-343-872		US-PATENT-CLASS-350-1	N71-29184*	c 25	NASA-CASE-XLA-00327
		US-PATENT-3,579,242		US-PATENT-CLASS-350-286			US-PATENT-APPL-SN-199199
N71-28991*	c 14	NASA-CASE-XLA-06713		US-PATENT-3,574,438			US-PATENT-CLASS-315-111
		US-PATENT-APPL-SN-863913	N71-29123*	NASA-CASE-XNP-08907			US-PATENT-3,238,413
		US-PATENT-CLASS-324-5		US-PATENT-APPL-SN-824042	N71-30026*	c 14	NASA-CASE-MFS-20096
		US-PATENT-CLASS-324-73		US-PATENT-CLASS-350-102			US-PATENT-APPL-SN-435433
		US-PATENT-CLASS-340-347AD		US-PATENT-CLASS-350-288			US-PATENT-CLASS-73-432
		US-PATENT-3,579,103		US-PATENT-CLASS-350-310			US-PATENT-3,396,584
N71-28992*	c 14	NASA-CASE-ERC-10150		US-PATENT-3,574,448	N71-30027*	c 23	NASA-CASE-GSC-10700
		US-PATENT-APPL-SN-822519	N71-29125*	NASA-CASE-NPO-11087			US-PATENT-APPL-SN-311387
		US-PATENT-CLASS-250-41 95		US-PATENT-APPL-SN-840359			US-PATENT-CLASS-350-2
		US-PATENT-CLASS-73-40 7		US-PATENT-CLASS-331-94 5			US-PATENT-3,394,975
		US-PATENT-3,578,758		US-PATENT-CLASS-356-153	N71-30028*	c 15	NASA-CASE-MFS-20830
N71-28993*	c 14	NASA-CASE-MFS-20044		US-PATENT-3,574,467			US-PATENT-APPL-SN-286620

		US-PATENT-CLASS-343-720			US-PATENT-APPL-SN-47443		US-PATENT-APPL-SN-24154
		US-PATENT-CLASS-343-840			US-PATENT-CLASS-250-211J		US-PATENT-CLASS-188-1C
N72-12408*	c 15	US-PATENT-3,594,803	N72-17153*	c 09	US-PATENT-3,603,798	N72-17451*	US-PATENT-CLASS-188-125
		NASA-CASE-XLA-05966			NASA-CASE-ARC-10105		US-PATENT-3,603,433
		US-PATENT-APPL-SN-784544			US-PATENT-APPL-SN-887698		NASA-CASE-WLP-10002
		US-PATENT-CLASS-140-105			US-PATENT-CLASS-128-2 1A		US-PATENT-APPL-SN-47062
		US-PATENT-CLASS-72-307			US-PATENT-CLASS-307-252F		US-PATENT-CLASS-180-125
N72-12409*	c 15	US-PATENT-3,584,660			US-PATENT-CLASS-307-252J		US-PATENT-CLASS-180-127
		NASA-CASE-NPO-10637			US-PATENT-CLASS-325-492		US-PATENT-CLASS-308-DIG 1
		US-PATENT-APPL-SN-851298			US-PATENT-CLASS-340-177		US-PATENT-CLASS-308-5
		US-PATENT-CLASS-236-68	N72-17154*	c 09	US-PATENT-3,603,946		US-PATENT-CLASS-308-9
		US-PATENT-CLASS-337-354			NASA-CASE-ERC-10139		US-PATENT-3,610,365
		US-PATENT-CLASS-337-359			US-PATENT-APPL-SN-889555	N72-17452*	c 15
		US-PATENT-CLASS-337-75			US-PATENT-CLASS-321-10		NASA-CASE-XLA-10322
		US-PATENT-CLASS-60-23			US-PATENT-CLASS-336-178		US-PATENT-CLASS-73-88 5R
		US-PATENT-3,591,960	N72-17155*	c 09	US-PATENT-3,603,864		US-PATENT-CLASS-3,608,365
N72-12440*	c 16	NASA-CASE-MFS-20180			NASA-CASE-NPO-11023	N72-17453*	c 15
		US-PATENT-APPL-SN-863276			US-PATENT-APPL-SN-865274		NASA-CASE-NPO-11177
		US-PATENT-CLASS-331-94 5			US-PATENT-CLASS-330-18		US-PATENT-APPL-SN-20960
		US-PATENT-CLASS-350-1			US-PATENT-CLASS-330-40		US-PATENT-CLASS-62-51
		US-PATENT-CLASS-350-312			US-PATENT-3,603,892	N72-17454*	c 15
		US-PATENT-3,593,194	N72-17156*	c 09	NASA-CASE-NPO-10199		US-PATENT-3,605,424
		NASA-CASE-MFS-20125			US-PATENT-APPL-SN-739391		NASA-CASE-NPO-11059
N72-13437*	c 16	US-PATENT-APPL-SN-830366			US-PATENT-CLASS-178-7 1		US-PATENT-APPL-SN-864020
		US-PATENT-CLASS-178-DIG 21			US-PATENT-CLASS-330-11	N72-17455*	c 15
		US-PATENT-CLASS-178-6			US-PATENT-CLASS-330-35		US-PATENT-APPL-SN-15019
		US-PATENT-CLASS-250-203X			US-PATENT-3,609,230		US-PATENT-CLASS-174-84
		US-PATENT-CLASS-356-152	N72-17157*	c 09	NASA-CASE-NPO-11253		US-PATENT-CLASS-200-64
		US-PATENT-3,603,686			US-PATENT-APPL-SN-21906		US-PATENT-CLASS-339-176M
N72-15098*	c 05	NASA-CASE-MSC-13917-1			US-PATENT-CLASS-307-223		US-PATENT-CLASS-339-278M
		US-PATENT-APPL-SN-198355			US-PATENT-CLASS-307-227		US-PATENT-CLASS-339-46
N72-15986*	c 03	NASA-CASE-XGS-10010			US-PATENT-CLASS-307-81		US-PATENT-CLASS-89-1 811
		US-PATENT-APPL-SN-729299			US-PATENT-CLASS-328-186		US-PATENT-3,611,274
		US-PATENT-CLASS-136-133	N72-17171*	c 10	US-PATENT-3,609,387	N72-17532*	c 18
		US-PATENT-CLASS-136-135			NASA-CASE-XAC-05462-2		NASA-CASE-MFS-13532
		US-PATENT-CLASS-136-6			US-PATENT-APPL-SN-28235		US-PATENT-APPL-SN-720546
		US-PATENT-3,607,401			US-PATENT-CLASS-307-295		US-PATENT-CLASS-106-292
N72-16015*	c 05	NASA-CASE-KSC-10278			US-PATENT-CLASS-328-167		US-PATENT-CLASS-106-299
		US-PATENT-APPL-SN-856327			US-PATENT-CLASS-330-109	N72-17747*	c 23
		US-PATENT-CLASS-324-66			US-PATENT-CLASS-330-176		NASA-CASE-ERC-10089
		US-PATENT-CLASS-340-279			US-PATENT-CLASS-330-70CR		US-PATENT-APPL-SN-791267
		US-PATENT-CLASS-35-8	N72-17172*	c 10	US-PATENT-3,609,567		US-PATENT-CLASS-340-174AG
		US-PATENT-3,609,740			NASA-CASE-ARC-10020		US-PATENT-CLASS-340-174GA
N72-16172*	c 10	NASA-CASE-ARC-10269-1			US-PATENT-APPL-SN-31885		US-PATENT-CLASS-340-174SC
		US-PATENT-APPL-SN-56791			US-PATENT-CLASS-330-107		US-PATENT-3,611,330
		US-PATENT-CLASS-307-230			US-PATENT-CLASS-330-109	N72-17820*	c 26
		US-PATENT-CLASS-307-262			US-PATENT-CLASS-330-26		NASA-CASE-XER-08476-1
		US-PATENT-CLASS-328-155			US-PATENT-CLASS-330-31		US-PATENT-APPL-SN-672388
		US-PATENT-3,614,475			US-PATENT-CLASS-330-94		US-PATENT-CLASS-148-187
N72-16282*	c 14	NASA-CASE-LAR-10913			US-PATENT-3,605,032		US-PATENT-CLASS-29-578
		US-PATENT-APPL-SN-779160	N72-17173*	c 10	US-PATENT-MFS-13130		US-PATENT-CLASS-29-589
		US-PATENT-CLASS-73-12			US-PATENT-APPL-SN-7868	N72-17843*	c 28
		US-PATENT-3,605,482			US-PATENT-CLASS-250-209		NASA-CASE-NPO-10046
N72-16283*	c 14	NASA-CASE-GSC-10780-1			US-PATENT-CLASS-250-83 3UV		US-PATENT-APPL-SN-860635
		US-PATENT-APPL-SN-860493			US-PATENT-CLASS-340-228 2		US-PATENT-CLASS-60-258
		US-PATENT-CLASS-82-24R			US-PATENT-3,609,364		US-PATENT-CLASS-60-39 74
		US-PATENT-3,608,409	N72-17183*	c 11	NASA-CASE-MFS-20509	N72-17873*	c 30
N72-16329*	c 15	NASA-CASE-XLA-07829			US-PATENT-APPL-SN-889557		NASA-CASE-ARC-10192
		US-PATENT-APPL-SN-763684			US-PATENT-CLASS-73-147		US-PATENT-APPL-SN-819898
		US-PATENT-CLASS-264-DIG 44			US-PATENT-3,602,920		US-PATENT-CLASS-244-3 21
		US-PATENT-CLASS-264-221	N72-17323*	c 14	US-PATENT-3,603,532	N72-17947*	c 33
		US-PATENT-CLASS-264-225			NASA-CASE-ERC-10248		NASA-CASE-MSC-12143-1
		US-PATENT-CLASS-264-227			US-PATENT-APPL-SN-868445		US-PATENT-APPL-SN-791268
		US-PATENT-3,608,046			US-PATENT-CLASS-350-162		US-PATENT-CLASS-102-105
N72-16330*	c 15	NASA-CASE-LAR-10203-1			US-PATENT-CLASS-356-113		US-PATENT-CLASS-161-67
		US-PATENT-APPL-SN-769592			US-PATENT-CLASS-356-209		US-PATENT-CLASS-244-117
		US-PATENT-CLASS-156-84			US-PATENT-CLASS-356-244	N72-17948*	c 33
		US-PATENT-CLASS-156-86	N72-17324*	c 14	US-PATENT-3,603,690		US-PATENT-3,603,260
		US-PATENT-3,607,495			NASA-CASE-MFS-20596		NASA-CASE-NPO-10828
N72-17093*	c 06	NASA-CASE-LEW-10794-1			US-PATENT-APPL-SN-7867		US-PATENT-APPL-SN-873260
		US-PATENT-APPL-SN-33535			US-PATENT-CLASS-350-3 5		US-PATENT-CLASS-165-105
		US-PATENT-CLASS-23-55	N72-17325*	c 14	US-PATENT-3,605,519	N72-18184*	c 08
		US-PATENT-CLASS-23-88			NASA-CASE-MSC-15158-1		NASA-CASE-NPO-10629
		US-PATENT-CLASS-23-97			US-PATENT-APPL-SN-889479		US-PATENT-APPL-SN-860751
		US-PATENT-3,607,015			US-PATENT-CLASS-324-52		US-PATENT-CLASS-178-50
N72-17094*	c 06	NASA-CASE-NPO-10234	N72-17326*	c 14	US-PATENT-3,609,535		US-PATENT-CLASS-178-66
		US-PATENT-APPL-SN-800204			NASA-CASE-XMS-01994-1		US-PATENT-CLASS-239-15
		US-PATENT-CLASS-23-230R			US-PATENT-APPL-SN-814212		US-PATENT-CLASS-275-154
		US-PATENT-CLASS-23-232C			US-PATENT-CLASS-356-4	N72-18411*	c 14
		US-PATENT-CLASS-23-253PC	N72-17327*	c 14	US-PATENT-3,603,683		US-PATENT-CLASS-340-347DD
		US-PATENT-CLASS-73-23 1			NASA-CASE-LEW-10281-1		US-PATENT-3,603,976
		US-PATENT-3,607,076			US-PATENT-APPL-SN-861649		NASA-CASE-KSC-10294
N72-17095*	c 06	NASA-CASE-NPO-10774			US-PATENT-CLASS-73-198		US-PATENT-APPL-SN-889556
		US-PATENT-APPL-SN-848805	N72-17328*	c 14	US-PATENT-3,605,495		US-PATENT-CLASS-307-311
		US-PATENT-CLASS-23-201			NASA-CASE-XLA-07813		US-PATENT-CLASS-346-107A
		US-PATENT-CLASS-23-230			US-PATENT-APPL-SN-791364		US-PATENT-CLASS-346-273
		US-PATENT-CLASS-23-253			US-PATENT-CLASS-250-207		US-PATENT-CLASS-346-102A
		US-PATENT-CLASS-73-76			US-PATENT-CLASS-250-41 9	N72-18477*	c 15
		US-PATENT-3,607,080			US-PATENT-CLASS-250-49 5		NASA-CASE-GSC-10566-1
N72-17109*	c 07	NASA-CASE-MSC-12146-1			US-PATENT-CLASS-250-71 5		US-PATENT-APPL-SN-889438
		US-PATENT-APPL-SN-50206			US-PATENT-CLASS-250-83 3		US-PATENT-CLASS-242-54
		US-PATENT-CLASS-178-5 2R	N72-17329*	c 14	US-PATENT-3,609,353		US-PATENT-CLASS-52-108
		US-PATENT-CLASS-178-5 4			NASA-CASE-FRC-10012	N72-18766*	c 28
		US-PATENT-CLASS-178-6 7			US-PATENT-APPL-SN-771216		US-PATENT-3,608,844
		US-PATENT-3,603,722			US-PATENT-CLASS-73-194A		NASA-CASE-GSC-10640-1
N72-17152*	c 09	NASA-CASE-ARC-10178-1	N72-17450*	c 15	US-PATENT-3,611,801		US-PATENT-APPL-SN-17101
					NASA-CASE-MSC-12279		US-PATENT-CLASS-23-281
							US-PATENT-CLASS-23-288
							US-PATENT-CLASS-60-260

N72-21248* #	c 09	US-PATENT-3,614,648 NASA-CASE-LAR-10503-1 US-PATENT-APPL-SN-229143	US-PATENT-CLASS-343-771 US-PATENT-CLASS-343-797 US-PATENT-CLASS-343-853 US-PATENT-CLASS-343-912	US-PATENT-APPL-SN-865106 US-PATENT-CLASS-128-2 1A US-PATENT-CLASS-128-2R		
N72-21310* #	c 12	NASA-CASE-MFS-20829 US-PATENT-APPL-SN-61894 US-PATENT-CLASS-169-28 US-PATENT-CLASS-169-36 US-PATENT-3,613,794	US-PATENT-3,623,114 NASA-CASE-NPO-11333 US-PATENT-APPL-SN-78065 US-PATENT-CLASS-178-52 US-PATENT-CLASS-179-15A US-PATENT-CLASS-179-15BL US-PATENT-CLASS-307-243 US-PATENT-CLASS-307-251 US-PATENT-CLASS-328-104 US-PATENT-CLASS-328-154 US-PATENT-3,614,327	US-PATENT-CLASS-307-231 US-PATENT-CLASS-307-247 US-PATENT-CLASS-307-288 US-PATENT-CLASS-325-29 US-PATENT-CLASS-325-492 US-PATENT-CLASS-340-171 US-PATENT-CLASS-340-203 US-PATENT-3,621,290		
N72-21405* #	c 14	NASA-CASE-NPO-10832 US-PATENT-APPL-SN-22265 US-PATENT-CLASS-73-141A US-PATENT-3,623,360	NASA-CASE-NPO-10745 US-PATENT-APPL-SN-873793 US-PATENT-CLASS-73-147 US-PATENT-3,623,361	NASA-CASE-XER-11046 US-PATENT-APPL-SN-810579 US-PATENT-CLASS-321-15 US-PATENT-CLASS-321-18 US-PATENT-CLASS-321-2 US-PATENT-CLASS-321-45 US-PATENT-CLASS-331-117 US-PATENT-3,621,362		
N72-21407* #	c 14	NASA-CASE-MFS-20642 US-PATENT-APPL-SN-873793 US-PATENT-CLASS-73-147 US-PATENT-3,623,361	NASA-CASE-MSC-13332-1 US-PATENT-APPL-SN-77169 US-PATENT-CLASS-250-43 5R US-PATENT-CLASS-250-83.3H US-PATENT-3,614,431	N72-22203* #	c 09	US-PATENT-CLASS-321-18 US-PATENT-CLASS-321-2 US-PATENT-CLASS-321-45 US-PATENT-CLASS-331-117 US-PATENT-3,621,362
N72-21408* #	c 14	NASA-CASE-MSC-13332-1 US-PATENT-APPL-SN-77169 US-PATENT-CLASS-250-43 5R US-PATENT-CLASS-250-83.3H US-PATENT-3,614,431	NASA-CASE-MSC-12105-1 US-PATENT-APPL-SN-763743 US-PATENT-CLASS-356-17 US-PATENT-CLASS-356-18 US-PATENT-3,614,228	N72-22163* #	c 08	US-PATENT-CLASS-321-18 US-PATENT-CLASS-321-2 US-PATENT-CLASS-321-45 US-PATENT-CLASS-331-117 US-PATENT-3,621,362
N72-21409* #	c 14	NASA-CASE-MSC-12105-1 US-PATENT-APPL-SN-763743 US-PATENT-CLASS-356-17 US-PATENT-CLASS-356-18 US-PATENT-3,614,228	NASA-CASE-NPO-10679 US-PATENT-APPL-SN-848282 US-PATENT-CLASS-74-89 15 US-PATENT-3,614,898	N72-22164* #	c 08	NASA-CASE-NPO-10745 US-PATENT-APPL-SN-878730 US-PATENT-CLASS-178-DIG 28 US-PATENT-CLASS-178-DIG 36 US-PATENT-CLASS-178-6 8 US-PATENT-CLASS-178-7 2R US-PATENT-3,621,130
N72-21462* #	c 15	NASA-CASE-NPO-10679 US-PATENT-APPL-SN-848282 US-PATENT-CLASS-74-89 15 US-PATENT-3,614,898	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22204* #	c 09	US-PATENT-CLASS-321-18 US-PATENT-CLASS-321-2 US-PATENT-CLASS-321-45 US-PATENT-CLASS-331-117 US-PATENT-3,621,362
N72-21463* #	c 15	NASA-CASE-MFS-20413 US-PATENT-APPL-SN-69209 US-PATENT-CLASS-74-469 US-PATENT-3,620,095	NASA-CASE-NPO-10745 US-PATENT-APPL-SN-878730 US-PATENT-CLASS-178-DIG 28 US-PATENT-CLASS-178-DIG 36 US-PATENT-CLASS-178-6 8 US-PATENT-CLASS-178-7 2R US-PATENT-3,621,130	N72-22235* #	c 10	NASA-CASE-GSC-10064-1 US-PATENT-APPL-SN-802812 US-PATENT-CLASS-343-16M US-PATENT-CLASS-343-7 4 US-PATENT-CLASS-343-779 US-PATENT-CLASS-343-786 US-PATENT-3,623,094
N72-21464* #	c 15	NASA-CASE-MFS-20413 US-PATENT-APPL-SN-69209 US-PATENT-CLASS-74-469 US-PATENT-3,620,095	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22236* #	c 10	NASA-CASE-GSC-10064-1 US-PATENT-APPL-SN-802812 US-PATENT-CLASS-343-16M US-PATENT-CLASS-343-7 4 US-PATENT-CLASS-343-779 US-PATENT-CLASS-343-786 US-PATENT-3,623,094
N72-21464* #	c 15	NASA-CASE-ARC-10176-1 US-PATENT-APPL-SN-889583 US-PATENT-CLASS-324-57R US-PATENT-CLASS-324-64 US-PATENT-CLASS-324-71R US-PATENT-3,624,496	NASA-CASE-NPO-10745 US-PATENT-APPL-SN-878730 US-PATENT-CLASS-178-DIG 28 US-PATENT-CLASS-178-DIG 36 US-PATENT-CLASS-178-6 8 US-PATENT-CLASS-178-7 2R US-PATENT-3,621,130	N72-22245* #	c 11	NASA-CASE-GSC-10064-1 US-PATENT-APPL-SN-802812 US-PATENT-CLASS-343-16M US-PATENT-CLASS-343-7 4 US-PATENT-CLASS-343-779 US-PATENT-CLASS-343-786 US-PATENT-3,623,094
N72-21465* #	c 15	NASA-CASE-ARC-10176-1 US-PATENT-APPL-SN-889583 US-PATENT-CLASS-324-57R US-PATENT-CLASS-324-64 US-PATENT-CLASS-324-71R US-PATENT-3,624,496	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22246* #	c 11	NASA-CASE-GSC-10064-1 US-PATENT-APPL-SN-802812 US-PATENT-CLASS-343-16M US-PATENT-CLASS-343-7 4 US-PATENT-CLASS-343-779 US-PATENT-CLASS-343-786 US-PATENT-3,623,094
N72-21465* #	c 15	NASA-CASE-GSC-10218-1 US-PATENT-APPL-SN-15022 US-PATENT-CLASS-141-23 US-PATENT-CLASS-195-127 US-PATENT-CLASS-222-135 US-PATENT-CLASS-222-309 US-PATENT-CLASS-222-71 US-PATENT-CLASS-23-253R US-PATENT-CLASS-23-259 US-PATENT-CLASS-73-425 6 US-PATENT-3,615,241	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22247* #	c 11	NASA-CASE-GSC-10064-1 US-PATENT-APPL-SN-802812 US-PATENT-CLASS-343-16M US-PATENT-CLASS-343-7 4 US-PATENT-CLASS-343-779 US-PATENT-CLASS-343-786 US-PATENT-3,623,094
N72-21466* #	c 15	NASA-CASE-NPO-10440 US-PATENT-APPL-SN-756834 US-PATENT-CLASS-204-130 US-PATENT-CLASS-204-59 US-PATENT-3,616,338 NASA-CASE-XLA-10470 US-PATENT-APPL-SN-219436	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22248* #	c 11	NASA-CASE-GSC-10064-1 US-PATENT-APPL-SN-802812 US-PATENT-CLASS-343-16M US-PATENT-CLASS-343-7 4 US-PATENT-CLASS-343-779 US-PATENT-CLASS-343-786 US-PATENT-3,623,094
N72-21489* #	c 15	NASA-CASE-XLA-10470 US-PATENT-APPL-SN-219436	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22249* #	c 14	NASA-CASE-LAR-10137-1 US-PATENT-APPL-SN-881041 US-PATENT-CLASS-200-81R US-PATENT-CLASS-200-82C US-PATENT-3,609,279
N72-21624* #	c 21	NASA-CASE-HQN-10439 US-PATENT-APPL-SN-889551 US-PATENT-CLASS-244-1SA US-PATENT-3,637,170	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22250* #	c 10	NASA-CASE-XLA-07430 US-PATENT-APPL-SN-867841 US-PATENT-CLASS-73-147 US-PATENT-3,620,076
N72-21701* #	c 26	NASA-CASE-ERC-10119 US-PATENT-APPL-SN-825258 US-PATENT-CLASS-307-299 US-PATENT-CLASS-317-234V US-PATENT-CLASS-317-235R US-PATENT-CLASS-331-107 US-PATENT-CLASS-332-31 US-PATENT-3,614,557	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22251* #	c 11	US-PATENT-CLASS-73-147 US-PATENT-3,620,076
N72-21893* #	c 31	NASA-CASE-KSC-10622-1 US-PATENT-APPL-SN-149983	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22252* #	c 11	NASA-CASE-XLA-07430 US-PATENT-APPL-SN-867841 US-PATENT-CLASS-73-147 US-PATENT-3,620,076
N72-22041* #	c 03	NASA-CASE-NPO-10591 US-PATENT-APPL-SN-776185 US-PATENT-CLASS-29-572 US-PATENT-3,616,528	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22253* #	c 11	NASA-CASE-XLA-07430 US-PATENT-APPL-SN-867841 US-PATENT-CLASS-73-147 US-PATENT-3,620,076
N72-22042* #	c 03	NASA-CASE-NPO-10747 US-PATENT-APPL-SN-6616 US-PATENT-CLASS-136-89 US-PATENT-3,615,853	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22254* #	c 14	NASA-CASE-LAR-10496-1 US-PATENT-APPL-SN-12661 US-PATENT-CLASS-73-141A US-PATENT-3,611,798
N72-22092* #	c 05	NASA-CASE-ARC-10275-1 US-PATENT-APPL-SN-21644 US-PATENT-CLASS-2-2.1A US-PATENT-3,636,564	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22255* #	c 14	NASA-CASE-ARC-10263-1 US-PATENT-APPL-SN-882125 US-PATENT-CLASS-73-398C US-PATENT-3,620,083
N72-22093* #	c 05	NASA-CASE-MSC-12324-1 US-PATENT-APPL-SN-63384 US-PATENT-CLASS-128-295 US-PATENT-CLASS-4-110 US-PATENT-CLASS-4-99 US-PATENT-3,602,923	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22256* #	c 14	NASA-CASE-XLA-07430 US-PATENT-APPL-SN-867841 US-PATENT-CLASS-73-147 US-PATENT-3,620,076
N72-22107* #	c 06	NASA-CASE-NPO-10862 US-PATENT-APPL-SN-810815 US-PATENT-CLASS-260-877 US-PATENT-3,639,510	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22257* #	c 14	NASA-CASE-LAR-10523-1 US-PATENT-APPL-SN-32665 US-PATENT-CLASS-250-203 US-PATENT-CLASS-350-16 US-PATENT-CLASS-350-52
N72-22127* #	c 07	NASA-CASE-NPO-10303 US-PATENT-APPL-SN-848776	NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150 52 US-PATENT-CLASS-235-150 53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22258* #	c 14	US-PATENT-CLASS-350-250 US-PATENT-CLASS-96-90PC US-PATENT-3,639,250

N72-22445* #	c 14	US-PATENT-3,647,276 NASA-CASE-LAR-10184 US-PATENT-APPL-SN-16808 US-PATENT-CLASS-33-174S US-PATENT-CLASS-350-86 US-PATENT-3,620,595	N72-22771* #	c 28	US-PATENT-CLASS-60-202 US-PATENT-3,613,370 NASA-CASE-LEW-10835-1 US-PATENT-APPL-SN-67815 US-PATENT-CLASS-60-202 US-PATENT-3,620,018	N72-24753* #	c 25	US-PATENT-CLASS-264-92 US-PATENT-3,658,974 NASA-CASE-XNP-04167-2 US-PATENT-APPL-SN-866442 US-PATENT-CLASS-313-186 US-PATENT-CLASS-313-212 US-PATENT-CLASS-313-224 US-PATENT-CLASS-313-231 US-PATENT-CLASS-315-111 US-PATENT-CLASS-315-326 US-PATENT-CLASS-315-358 US-PATENT-CLASS-331-94 5 US-PATENT-3,617,804
N72-22482* #	c 15	NASA-CASE-XLA-04897 US-PATENT-APPL-SN-880249 US-PATENT-CLASS-73-133 US-PATENT-3,613,457	N72-22772* #	c 28	NASA-CASE-NPO-12072 US-PATENT-APPL-SN-82647 US-PATENT-CLASS-123-122AB US-PATENT-CLASS-137-81 5 US-PATENT-CLASS-261-145 US-PATENT-3,640,256	N72-25019* #	c 03	NASA-CASE-NPO-10883 US-PATENT-APPL-SN-26573 US-PATENT-CLASS-136-89 US-PATENT-CLASS-312-257 US-PATENT-3,620,846
N72-22483* #	c 15	NASA-CASE-XNP-09770-2 US-PATENT-APPL-SN-864039 US-PATENT-CLASS-209-349 US-PATENT-3,615,021	N72-22874* #	c 31	US-PATENT-3,620,846 NASA-CASE-NPO-11388 US-PATENT-APPL-SN-119282 US-PATENT-CLASS-310-2 US-PATENT-CLASS-321-2 US-PATENT-CLASS-322-2 US-PATENT-3,648,152	N72-25020* #	c 03	NASA-CASE-GSC-11211-1 US-PATENT-APPL-SN-139528 US-PATENT-CLASS-235-92T US-PATENT-CLASS-307-141 8 US-PATENT-CLASS-320-48 US-PATENT-CLASS-324-29 5 US-PATENT-3,663,938
N72-22484* #	c 15	NASA-CASE-LAR-10031 US-PATENT-APPL-SN-867851 US-PATENT-CLASS-62-55 5 US-PATENT-3,625,018	N72-23048* #	c 03	US-PATENT-3,621,294 NASA-CASE-NPO-11388 US-PATENT-APPL-SN-119282 US-PATENT-CLASS-310-2 US-PATENT-CLASS-321-2 US-PATENT-CLASS-322-2 US-PATENT-3,648,152	N72-25021* #	c 03	NASA-CASE-NPO-11118 US-PATENT-APPL-SN-8650 US-PATENT-CLASS-214-90R US-PATENT-3,666,120 NASA-CASE-MSC-12397-1 US-PATENT-APPL-SN-785613 US-PATENT-CLASS-2-115 US-PATENT-CLASS-2-2 1 US-PATENT-3,660,851
N72-22485* #	c 15	NASA-CASE-MSC-13512-1 US-PATENT-APPL-SN-73932 US-PATENT-CLASS-74-501R US-PATENT-3,625,084	N72-23085* #	c 05	NASA-CASE-LAR-10102-1 US-PATENT-APPL-SN-13266 US-PATENT-CLASS-224-25A US-PATENT-3,649,921	N72-25119* #	c 05	NASA-CASE-MSC-12397-1 US-PATENT-APPL-SN-785613 US-PATENT-CLASS-2-115 US-PATENT-CLASS-2-2 1 US-PATENT-3,660,851
N72-22486* #	c 15	NASA-CASE-KSC-10031 US-PATENT-APPL-SN-98773 US-PATENT-CLASS-220-5R US-PATENT-CLASS-317-101DH US-PATENT-CLASS-317-117 US-PATENT-CLASS-317-120 US-PATENT-3,639,809	N72-23171* #	c 09	NASA-CASE-GSC-10221-1 US-PATENT-APPL-SN-779025 US-PATENT-CLASS-307-252N US-PATENT-CLASS-307-252R US-PATENT-CLASS-307-259 US-PATENT-CLASS-307-305 US-PATENT-3,621,294	N72-25120* #	c 05	NASA-CASE-MSC-90153-2 US-PATENT-APPL-SN-844225 US-PATENT-CLASS-106-209 US-PATENT-CLASS-128-2 1 US-PATENT-CLASS-128-417 US-PATENT-CLASS-252-514 US-PATENT-CLASS-264-104 US-PATENT-3,665,064
N72-22487* #	c 15	NASA-CASE-GSC-10303 US-PATENT-APPL-SN-802813 US-PATENT-CLASS-29-473 1 US-PATENT-3,619,896	N72-23173* #	c 09	US-PATENT-3,649,907 NASA-CASE-ERC-10267 US-PATENT-APPL-SN-41348 US-PATENT-CLASS-235-197 US-PATENT-CLASS-307-229 US-PATENT-CLASS-328-145 US-PATENT-3,648,043	N72-25121* #	c 05	NASA-CASE-FRC-10029-2 US-PATENT-APPL-SN-78704 US-PATENT-CLASS-156-264 US-PATENT-CLASS-156-308 US-PATENT-CLASS-29-25 14 US-PATENT-CLASS-29-25 18 US-PATENT-CLASS-29-482 US-PATENT-CLASS-29-630A US-PATENT-3,662,441
N72-22488* #	c 15	NASA-CASE-MSC-11849-1 US-PATENT-APPL-SN-6617 US-PATENT-CLASS-85-1 US-PATENT-3,623,394	N72-23215* #	c 11	NASA-CASE-MFS-20710 US-PATENT-APPL-SN-114848 US-PATENT-CLASS-13-20 US-PATENT-CLASS-13-31 US-PATENT-3,647,924	N72-25122* #	c 05	NASA-CASE-MSC-13609-1 US-PATENT-APPL-SN-94347 US-PATENT-CLASS-128-2N US-PATENT-3,662,744 NASA-CASE-NPO-11322 US-PATENT-APPL-SN-87550 US-PATENT-CLASS-250-43 5R US-PATENT-CLASS-73-23 1 US-PATENT-3,666,942
N72-22489* #	c 15	NASA-CASE-GSC-10518-1 US-PATENT-APPL-SN-789045 US-PATENT-CLASS-417-152 US-PATENT-CLASS-55-446 US-PATENT-CLASS-55-464 US-PATENT-3,623,828	N72-23457* #	c 14	US-PATENT-3,647,924 NASA-CASE-MSC-12297 US-PATENT-APPL-SN-792623 US-PATENT-CLASS-55-493 US-PATENT-CLASS-55-498 US-PATENT-CLASS-55-502 US-PATENT-CLASS-55-521 US-PATENT-3,650,095	N72-25146* #	c 06	US-PATENT-3,662,744 NASA-CASE-NPO-11322 US-PATENT-APPL-SN-87550 US-PATENT-CLASS-250-43 5R US-PATENT-CLASS-73-23 1 US-PATENT-3,666,942 NASA-CASE-ARC-10325 US-PATENT-APPL-SN-63610 US-PATENT-CLASS-260-2 5FP US-PATENT-3,663,464
N72-22490* #	c 15	NASA-CASE-LEW-10856-1 US-PATENT-APPL-SN-3417 US-PATENT-CLASS-308-195 US-PATENT-3,620,585	N72-23497* #	c 15	US-PATENT-3,650,095 NASA-CASE-KSC-10242 US-PATENT-APPL-SN-73834 US-PATENT-CLASS-219-109 US-PATENT-CLASS-219-234 US-PATENT-CLASS-219-85 US-PATENT-CLASS-324-65R US-PATENT-3,621,193	N72-25147* #	c 06	US-PATENT-3,663,464 NASA-CASE-MFS-13994-2 US-PATENT-APPL-SN-870689 US-PATENT-CLASS-260-348SC US-PATENT-3,660,434
N72-22491* #	c 15	NASA-CASE-GSC-10913 US-PATENT-APPL-SN-889558 US-PATENT-CLASS-219-158 US-PATENT-CLASS-219-234 US-PATENT-CLASS-219-85 US-PATENT-CLASS-228-57 US-PATENT-CLASS-29-628 US-PATENT-3,621,194	N72-23581* #	c 18	US-PATENT-3,650,095 NASA-CASE-XNP-09461 US-PATENT-APPL-SN-670829 US-PATENT-CLASS-239-418 US-PATENT-CLASS-239-433 US-PATENT-CLASS-239-543 US-PATENT-3,650,474	N72-25148* #	c 06	US-PATENT-3,663,464 NASA-CASE-MFS-13994-2 US-PATENT-APPL-SN-870689 US-PATENT-CLASS-260-348SC US-PATENT-3,660,434
N72-22492* #	c 15	NASA-CASE-MFS-20482 US-PATENT-APPL-SN-6610 US-PATENT-CLASS-29-472 9 US-PATENT-CLASS-29-473 1 US-PATENT-3,602,979	N72-23695* #	c 23	US-PATENT-3,620,784 NASA-CASE-HQN-10541-3 US-PATENT-APPL-SN-822089 US-PATENT-CLASS-350-171 US-PATENT-3,606,522	N72-25149* #	c 06	US-PATENT-3,660,434 NASA-CASE-GSC-10565-1 US-PATENT-APPL-SN-822039 US-PATENT-CLASS-195-103 5R US-PATENT-CLASS-195-28N US-PATENT-CLASS-260-211 5 US-PATENT-3,660,240
N72-22493* #	c 15	NASA-CASE-MFS-20482 US-PATENT-APPL-SN-6610 US-PATENT-CLASS-29-472 9 US-PATENT-CLASS-29-473 1 US-PATENT-3,602,979	N72-23809* #	c 28	NASA-CASE-XNP-09461 US-PATENT-APPL-SN-670829 US-PATENT-CLASS-239-418 US-PATENT-CLASS-239-433 US-PATENT-CLASS-239-543 US-PATENT-3,650,474	N72-25150* #	c 06	US-PATENT-3,660,240 NASA-CASE-XLE-06774-2 US-PATENT-APPL-SN-5114 US-PATENT-CLASS-117-132 US-PATENT-CLASS-117-161 US-PATENT-CLASS-260-2 5 US-PATENT-CLASS-260-92 1 US-PATENT-3,666,741
N72-22520* #	c 16	NASA-CASE-LAR-10815-1 US-PATENT-APPL-SN-233587	N72-23810* #	c 28	US-PATENT-3,648,474 NASA-CASE-NPO-11458 US-PATENT-APPL-SN-36926 US-PATENT-CLASS-60-266 US-PATENT-CLASS-60-271 US-PATENT-3,648,461	N72-25151* #	c 06	US-PATENT-3,666,741 NASA-CASE-MFS-20979 US-PATENT-APPL-SN-100774 US-PATENT-CLASS-260-18S US-PATENT-CLASS-260-448 2D US-PATENT-CLASS-260-46 5E US-PATENT-CLASS-260-46 5G US-PATENT-CLASS-260-46 5P US-PATENT-3,666,718
N72-22530* #	c 17	NASA-CASE-XLE-06461 US-PATENT-APPL-SN-853855 US-PATENT-CLASS-75- 5B US-PATENT-3,623,861	N72-24037* #	c 03	US-PATENT-3,648,461 NASA-CASE-GSC-11514-1 US-PATENT-APPL-SN-820453 US-PATENT-CLASS-117-201 US-PATENT-CLASS-136-89 US-PATENT-3,653,970	N72-25152* #	c 06	US-PATENT-3,666,718 NASA-CASE-NPO-10863-2 US-PATENT-APPL-SN-145026 US-PATENT-CLASS-260-92 1 US-PATENT-3,663,521
N72-22535* #	c 17	NASA-CASE-LEW-10874-1 US-PATENT-APPL-SN-68024 US-PATENT-CLASS-148-32 5 US-PATENT-CLASS-75-170 US-PATENT-3,620,718	N72-24477* #	c 14	US-PATENT-3,657,644 NASA-CASE-NPO-11036 US-PATENT-APPL-SN-41346	N72-25170* #	c 07	NASA-CASE-LAR-10513-1 US-PATENT-APPL-SN-64723 US-PATENT-CLASS-333-7
N72-22566* #	c 18	NASA-CASE-MFS-20011 US-PATENT-APPL-SN-813338 US-PATENT-CLASS-106-286 US-PATENT-CLASS-106-288B US-PATENT-CLASS-106-84 US-PATENT-3,620,791	N72-24522* #	c 15				
N72-22567* #	c 18	NASA-CASE-NPO-11091 US-PATENT-APPL-SN-860781 US-PATENT-CLASS-260-2 1E US-PATENT-3,629,161						
N72-22619* #	c 21	NASA-CASE-ARC-10179-1 US-PATENT-APPL-SN-835058 US-PATENT-CLASS-244-114 US-PATENT-CLASS-340-26 US-PATENT-3,624,598						
N72-22673* #	c 23	NASA-CASE-XER-07896-2 US-PATENT-APPL-SN-36819 US-PATENT-CLASS-350-310 US-PATENT-3,620,606						
N72-22769* #	c 28	NASA-CASE-ARC-10106-1 US-PATENT-APPL-SN-812998 US-PATENT-CLASS-244-3 22 US-PATENT-3,612,442						
N72-22770* #	c 28	NASA-CASE-LEW-10770-1 US-PATENT-APPL-SN-880246						

	US-PATENT-CLASS-333-81R		US-PATENT-CLASS-321-18		US-PATENT-CLASS-73-421 5R
	US-PATENT-CLASS-333-98P		US-PATENT-CLASS-321-2		US-PATENT-CLASS-73-422GC
	US-PATENT-CLASS-333-98R		US-PATENT-3,659,184		US-PATENT-CLASS-73-422TC
	US-PATENT-CLASS-333-98S	N72-25252* # c 09	NASA-CASE-ERC-10268		US-PATENT-3,662,604
N72-25171* # c 07	US-PATENT-3,649,935		US-PATENT-APPL-SN-39342	N72-25409* # c 14	NASA-CASE-ERC-10174
	NASA-CASE-MFS-21042		US-PATENT-CLASS-321-11		US-PATENT-APPL-SN-39344
	US-PATENT-APPL-SN-86417		US-PATENT-CLASS-321-18		US-PATENT-CLASS-250-209
	US-PATENT-CLASS-102-34 4		US-PATENT-CLASS-321-19		US-PATENT-CLASS-250-226
	US-PATENT-CLASS-325-114		US-PATENT-CLASS-321-2		US-PATENT-CLASS-250-83 3UV
	US-PATENT-CLASS-325-4		US-PATENT-CLASS-321-45ER		US-PATENT-CLASS-350-203
	US-PATENT-CLASS-343-6 5R		US-PATENT-CLASS-321-45R	N72-25410* # c 14	US-PATENT-3,657,549
N72-25172* # c 07	US-PATENT-3,667,044	N72-25253* # c 09	US-PATENT-3,663,940		NASA-CASE-ERC-10292
	NASA-CASE-NPO-11358		NASA-CASE-GSC-11126-1		US-PATENT-APPL-SN-45519
	US-PATENT-APPL-SN-116786		US-PATENT-APPL-SN-98640		US-PATENT-CLASS-350-160R
	US-PATENT-CLASS-179-158V		US-PATENT-CLASS-321-2		US-PATENT-CLASS-73-515
	US-PATENT-CLASS-340-172 5		US-PATENT-CLASS-321-47		US-PATENT-CLASS-73-521
	US-PATENT-3,665,417		US-PATENT-CLASS-331-113A		US-PATENT-3,657,928
N72-25173* # c 07	NASA-CASE-ERC-10324	N72-25254* # c 09	US-PATENT-3,663,941	N72-25411* # c 14	NASA-CASE-MSC-15626-1
	US-PATENT-APPL-SN-54270		NASA-CASE-NPO-10760		US-PATENT-APPL-SN-94374
	US-PATENT-CLASS-178-69 5		US-PATENT-APPL-SN-129071		US-PATENT-CLASS-116-114AH
	US-PATENT-CLASS-325-141		US-PATENT-CLASS-321-2		US-PATENT-CLASS-73-12
	US-PATENT-CLASS-325-302		US-PATENT-CLASS-321-45R		US-PATENT-CLASS-73-492
	US-PATENT-CLASS-325-325		US-PATENT-CLASS-331-113A		US-PATENT-3,656,352
	US-PATENT-CLASS-325-38		US-PATENT-3,663,944	N72-25412* # c 14	NASA-CASE-MFS-15063
	US-PATENT-CLASS-325-51	N72-25255* # c 09	NASA-CASE-LAR-10620-1		US-PATENT-APPL-SN-51477
	US-PATENT-CLASS-325-55		US-PATENT-APPL-SN-125979		US-PATENT-CLASS-178-DIG 8
	US-PATENT-CLASS-325-58		US-PATENT-CLASS-310-10		US-PATENT-CLASS-178-6 8
	US-PATENT-CLASS-325-64		US-PATENT-CLASS-310-15		US-PATENT-CLASS-340-227R
	US-PATENT-CLASS-340-167		US-PATENT-3,663,843		US-PATENT-3,659,043
N72-25174* # c 07	US-PATENT-3,665,313	N72-25256* # c 09	NASA-CASE-XLA-02609	N72-25413* # c 14	NASA-CASE-GSC-10879-1
	NASA-CASE-NPO-11264		US-PATENT-APPL-SN-41347		US-PATENT-APPL-SN-889420
	US-PATENT-APPL-SN-36531		US-PATENT-CLASS-333-79		US-PATENT-CLASS-195-127
	US-PATENT-CLASS-343-762		US-PATENT-CLASS-339-143R		US-PATENT-3,666,631
	US-PATENT-CLASS-343-777		US-PATENT-CLASS-339-147R	N72-25414* # c 14	NASA-CASE-NPO-11311
	US-PATENT-CLASS-343-779		US-PATENT-3,663,929		US-PATENT-APPL-SN-57252
	US-PATENT-CLASS-343-786	N72-25257* # c 09	NASA-CASE-MSC-12395		US-PATENT-CLASS-178-7 92
	US-PATENT-CLASS-343-853		US-PATENT-APPL-SN-134573		US-PATENT-CLASS-350-175FS
	US-PATENT-3,665,481		US-PATENT-CLASS-307-233		US-PATENT-3,663,753
N72-25206* # c 08	NASA-CASE-KSC-10397		US-PATENT-CLASS-324-186	N72-25428* # c 14	NASA-CASE-HQN-10756-1
	US-PATENT-APPL-SN-25488		US-PATENT-CLASS-324-78D		US-PATENT-APPL-SN-236052
	US-PATENT-CLASS-235-154		US-PATENT-CLASS-328-136	N72-25447* # c 15	NASA-CASE-LEW-10489-1
	US-PATENT-CLASS-340-347DA		US-PATENT-CLASS-328-140		US-PATENT-APPL-SN-889682
N72-25207* # c 08	US-PATENT-3,648,275	N72-25258* # c 09	US-PATENT-3,663,885		US-PATENT-CLASS-117-185
	NASA-CASE-NPO-11161		NASA-CASE-LAR-10253-1		US-PATENT-CLASS-117-211
	US-PATENT-APPL-SN-889374		US-PATENT-APPL-SN-99175		US-PATENT-CLASS-117-217
	US-PATENT-CLASS-340-146 1		US-PATENT-CLASS-307-88 3		US-PATENT-CLASS-117-62
	US-PATENT-CLASS-340-172 5		US-PATENT-CLASS-330-4 5		US-PATENT-CLASS-117-93 16D
	US-PATENT-3,648,256		US-PATENT-3,663,886		US-PATENT-CLASS-29-599
N72-25208* # c 08	NASA-CASE-NPO-11338	N72-25259* # c 09	NASA-CASE-GSC-10695-1		US-PATENT-3,649,356
	US-PATENT-APPL-SN-89212		US-PATENT-APPL-SN-889422	N72-25448* # c 15	NASA-CASE-LEW-10450-1
	US-PATENT-CLASS-178-50		US-PATENT-CLASS-117-200		US-PATENT-APPL-SN-880271
	US-PATENT-CLASS-179-15BC		US-PATENT-CLASS-136-89		US-PATENT-CLASS-75-0 5BB
	US-PATENT-CLASS-179-15FD		US-PATENT-CLASS-175-29-198		US-PATENT-CLASS-75-206
	US-PATENT-CLASS-325-62		US-PATENT-3,664,874		US-PATENT-CLASS-75-213
	US-PATENT-CLASS-332-21	N72-25260* # c 09	NASA-CASE-NPO-11283		US-PATENT-3,649,242
	US-PATENT-3,659,053		US-PATENT-APPL-SN-118270	N72-25450* # c 15	NASA-CASE-NPO-11202
N72-25209* # c 08	NASA-CASE-NPO-11194		US-PATENT-CLASS-310-4		US-PATENT-APPL-SN-66004
	US-PATENT-APPL-SN-63532		US-PATENT-3,663,839		US-PATENT-CLASS-285-DIG 21
	US-PATENT-CLASS-343-12R	N72-25261* # c 09	NASA-CASE-ERC-10224		US-PATENT-CLASS-285-3
	US-PATENT-CLASS-343-14		US-PATENT-APPL-SN-868775		US-PATENT-CLASS-285-316
	US-PATENT-CLASS-343-6 5R		US-PATENT-CLASS-29-492		US-PATENT-CLASS-285-33
	US-PATENT-3,659,292		US-PATENT-CLASS-29-497		US-PATENT-CLASS-339-45M
N72-25210* # c 08	NASA-CASE-NPO-10636		US-PATENT-CLASS-29-498		US-PATENT-CLASS-339-91B
	US-PATENT-APPL-SN-77221		US-PATENT-CLASS-29-502		US-PATENT-3,656,781
	US-PATENT-CLASS-235-152		US-PATENT-CLASS-29-589	N72-25451* # c 15	NASA-CASE-NPO-10606
	US-PATENT-CLASS-340-146 1AL		US-PATENT-CLASS-29-628		US-PATENT-APPL-SN-8636
	US-PATENT-3,662,337		US-PATENT-3,665,589		US-PATENT-CLASS-251-360
N72-25247* # c 09	NASA-CASE-LAR-10163-1	N72-25262* # c 09	NASA-CASE-NPO-11078		US-PATENT-3,658,295
	US-PATENT-APPL-SN-73310		US-PATENT-APPL-SN-82280	N72-25452* # c 15	NASA-CASE-LEW-10965-1
	US-PATENT-CLASS-343-708		US-PATENT-CLASS-307-103		US-PATENT-APPL-SN-876588
	US-PATENT-CLASS-343-771		US-PATENT-CLASS-307-83		US-PATENT-CLASS-117-124C
	US-PATENT-CLASS-343-873		US-PATENT-CLASS-323-48		US-PATENT-CLASS-117-152
	US-PATENT-3,653,052		US-PATENT-CLASS-323-82		US-PATENT-CLASS-117-16R
N72-25248* # c 09	NASA-CASE-NPO-11342		US-PATENT-3,663,828		US-PATENT-CLASS-117-37
	US-PATENT-APPL-SN-89209	N72-25284* # c 11	NASA-CASE-LAR-10507-1		US-PATENT-CLASS-117-47F
	US-PATENT-CLASS-340-172 5		US-PATENT-APPL-SN-874177		US-PATENT-CLASS-117-62
	US-PATENT-CLASS-340-324A		US-PATENT-CLASS-195-127		US-PATENT-CLASS-117-93 3
	US-PATENT-3,648,250		US-PATENT-3,649,462		US-PATENT-CLASS-204-157 18AG
N72-25249* # c 09	NASA-CASE-GSC-10656-1	N72-25287* # c 11	NASA-CASE-LAR-10546-1		US-PATENT-CLASS-204-49
	US-PATENT-APPL-SN-59969		US-PATENT-APPL-SN-32664		US-PATENT-CLASS-250-65F
	US-PATENT-CLASS-321-2		US-PATENT-CLASS-287-54A		US-PATENT-CLASS-96-36 2
	US-PATENT-CLASS-323-DIG 1		US-PATENT-CLASS-52-648		US-PATENT-3,658,569
	US-PATENT-CLASS-323-17		US-PATENT-CLASS-52-655	N72-25453* # c 15	NASA-CASE-KSC-10513
	US-PATENT-CLASS-323-22T		US-PATENT-3,665,670		US-PATENT-APPL-SN-61535
	US-PATENT-3,621,372	N72-25288* # c 11	NASA-CASE-MFS-20434		US-PATENT-CLASS-187-1
N72-25250* # c 09	NASA-CASE-KSC-10565		US-PATENT-APPL-SN-55534		US-PATENT-CLASS-187-20
	US-PATENT-APPL-SN-98517		US-PATENT-CLASS-73-140		US-PATENT-CLASS-187-95
	US-PATENT-CLASS-315-135		US-PATENT-CLASS-73-161		US-PATENT-CLASS-254-190
	US-PATENT-CLASS-315-349		US-PATENT-3,665,758		US-PATENT-3,666,051
	US-PATENT-CLASS-330-2	N72-25292* # c 12	NASA-CASE-NPO-11556		NASA-CASE-MSC-12233-1
	US-PATENT-CLASS-330-59		US-PATENT-APPL-SN-82648	N72-25454* # c 15	US-PATENT-APPL-SN-73422
	US-PATENT-CLASS-340-332		US-PATENT-CLASS-210-188		US-PATENT-CLASS-52-169
	US-PATENT-3,659,148		US-PATENT-CLASS-310-11		US-PATENT-CLASS-52-173
N72-25251* # c 09	NASA-CASE-ERC-10048		US-PATENT-3,648,083		US-PATENT-CLASS-52-594
	US-PATENT-APPL-SN-10329	N72-25323* # c 13	NASA-CASE-NPO-11373		US-PATENT-3,665,669
	US-PATENT-CLASS-307-261		US-PATENT-APPL-SN-81095	N72-25455* # c 15	NASA-CASE-NPO-11095

	US-PATENT-APPL-SN-19585	N72-25913* #	c 33	NASA-CASE-XMS-09690	N72-27412* #	c 14	NASA-CASE-MFS-20523
	US-PATENT-CLASS-239-424			US-PATENT-APPL-SN-853641			US-PATENT-APPL-SN-77786
	US-PATENT-CLASS-60-258			US-PATENT-CLASS-73-15R			US-PATENT-CLASS-73-103
N72-25456* #	US-PATENT-CLASS-60-39 74A	N72-26031* #	c 03	US-PATENT-3,665,750	N72-27484* #	c 15	US-PATENT-CLASS-73-71 6
	US-PATENT-3,662,547			NASA-CASE-NPO-10753			US-PATENT-3,670,563
	NASA-CASE-NPO-11222			US-PATENT-APPL-SN-844355			NASA-CASE-NPO-10721
	US-PATENT-APPL-SN-59893			US-PATENT-CLASS-136-202			US-PATENT-APPL-SN-59968
	US-PATENT-CLASS-310-68	N72-26371* #	c 15	US-PATENT-CLASS-3,666,566			US-PATENT-CLASS-248-188 4
	US-PATENT-CLASS-310-80			NASA-CASE-NPO-10244	N72-27485* #	c 15	US-PATENT-3,669,393
	US-PATENT-CLASS-310-83			US-PATENT-APPL-SN-43327			NASA-CASE-XLA-09843
N72-25457* #	US-PATENT-3,660,704			US-PATENT-CLASS-308-2A			US-PATENT-APPL-SN-60876
	NASA-CASE-ERC-10325			US-PATENT-CLASS-73-136R			US-PATENT-CLASS-83-522
	US-PATENT-APPL-SN-43884			US-PATENT-3,664,185			US-PATENT-CLASS-83-562
	US-PATENT-CLASS-324-158D	N72-27053* #	c 03	NASA-CASE-GSC-10344-1			US-PATENT-CLASS-83-563
	US-PATENT-CLASS-324-158T			US-PATENT-APPL-SN-785078			US-PATENT-CLASS-83-588
N72-25485* #	US-PATENT-3,665,307			US-PATENT-CLASS-136-89			US-PATENT-CLASS-83-8
	NASA-CASE-ERC-10283			US-PATENT-3,672,999	N72-27728* #	c 23	US-PATENT-3,668,956
	US-PATENT-APPL-SN-39185	N72-27102* #	c 05	NASA-CASE-LAR-10365-1			NASA-CASE-ARC-10160-1
	US-PATENT-CLASS-331-94 5			US-PATENT-APPL-SN-3151			US-PATENT-APPL-SN-867842
	US-PATENT-CLASS-332-7 51			US-PATENT-CLASS-210-103			US-PATENT-CLASS-178-DIG 20
	US-PATENT-3,659,225			US-PATENT-CLASS-210-104			US-PATENT-CLASS-178-6 5
N72-25539* #	NASA-CASE-LEW-10424-2 2			US-PATENT-CLASS-210-110			US-PATENT-CLASS-350-138
	US-PATENT-APPL-SN-15222			US-PATENT-CLASS-210-137			US-PATENT-3,670,097
	US-PATENT-CLASS-75-DIG 1			US-PATENT-3,670,890	N72-27784* #	c 26	NASA-CASE-LAR-10836-1
	US-PATENT-CLASS-75-208			NASA-CASE-MSC-13648			US-PATENT-APPL-SN-138227
	US-PATENT-CLASS-75-211	N72-27103* #	c 05	US-PATENT-APPL-SN-87222			US-PATENT-CLASS-350-161
	US-PATENT-CLASS-75-226			US-PATENT-CLASS-128-DIG 4			US-PATENT-3,671,105
N72-25540* #	US-PATENT-3,653,882			US-PATENT-CLASS-128-2 1E	N72-27959* #	c 33	NASA-CASE-LAR-10800-1
	NASA-CASE-ERC-10364			US-PATENT-CLASS-128-417			US-PATENT-APPL-SN-154094
	US-PATENT-APPL-SN-55537			US-PATENT-3,669,110			US-PATENT-CLASS-73-35
	US-PATENT-CLASS-161-127	N72-27144* #	c 06	NASA-CASE-NPO-10768-2			US-PATENT-3,670,559
	US-PATENT-CLASS-161-68			US-PATENT-APPL-SN-770398	N72-28025* #	c 03	NASA-CASE-NPO-10633
	US-PATENT-CLASS-161-7			US-PATENT-APPL-SN-99524			US-PATENT-APPL-SN-885521
	US-PATENT-CLASS-52-DIG 10			US-PATENT-CLASS-260-535H			US-PATENT-CLASS-165-20
	US-PATENT-CLASS-52-80			US-PATENT-CLASS-260-77 5AP			US-PATENT-CLASS-165-3
	US-PATENT-3,663,347			US-PATENT-3,671,497			US-PATENT-CLASS-62-93
N72-25541* #	NASA-CASE-ERC-10363	N72-27151* #	c 06	NASA-CASE-NPO-10767-2			US-PATENT-3,675,712
	US-PATENT-APPL-SN-57253			US-PATENT-APPL-SN-241061	N72-28225* #	c 09	NASA-CASE-MFS-20757
	US-PATENT-CLASS-161-127			NASA-CASE-LEW-10330-1			US-PATENT-APPL-SN-136006
	US-PATENT-CLASS-161-68	N72-27226* #	c 09	US-PATENT-APPL-SN-110402			US-PATENT-CLASS-339-176MF
	US-PATENT-CLASS-161-7			US-PATENT-CLASS-336-198			US-PATENT-CLASS-339-218M
	US-PATENT-CLASS-52-DIG 10			US-PATENT-CLASS-336-220			US-PATENT-CLASS-339-75MP
	US-PATENT-CLASS-52-80			US-PATENT-CLASS-336-60			US-PATENT-CLASS-339-94M
	US-PATENT-3,663,346			US-PATENT-3,648,209	N72-28240* #	c 10	US-PATENT-3,670,290
N72-25595* #	NASA-CASE-MSC-13397-1	N72-27227* #	c 09	NASA-CASE-KSC-10644			NASA-CASE-ARC-10265-1
	US-PATENT-APPL-SN-59966			US-PATENT-APPL-SN-114849			US-PATENT-APPL-SN-64709
	US-PATENT-CLASS-244-1SA			US-PATENT-CLASS-307-118			US-PATENT-CLASS-324-41
	US-PATENT-CLASS-244-23A			US-PATENT-CLASS-307-92			US-PATENT-CLASS-340-258
	US-PATENT-3,662,973			US-PATENT-CLASS-340-240			US-PATENT-3,676,772
N72-25619* #	NASA-CASE-NPO-10634			US-PATENT-3,673,424	N72-28241* #	c 10	NASA-CASE-GSC-10786-1
	US-PATENT-APPL-SN-112999	N72-27228* #	c 09	NASA-CASE-NPO-10542			US-PATENT-APPL-SN-773072
	US-PATENT-CLASS-62-475			US-PATENT-APPL-SN-767741			US-PATENT-CLASS-330-29
	US-PATENT-CLASS-62-6			US-PATENT-CLASS-310-4			US-PATENT-3,533,006
	US-PATENT-CLASS-62-80			US-PATENT-3,673,440	N72-28436* #	c 14	NASA-CASE-XLA-06683
	US-PATENT-CLASS-62-85	N72-27246* #	c 10	NASA-CASE-ERC-10015-2			US-PATENT-APPL-SN-10827
	US-PATENT-3,656,313			US-PATENT-APPL-SN-763744			US-PATENT-CLASS-33-1SA
N72-25679* #	NASA-CASE-XER-07895			US-PATENT-APPL-SN-97343			US-PATENT-CLASS-33-75R
	US-PATENT-APPL-SN-651627			US-PATENT-CLASS-313-309			US-PATENT-3,675,332
	US-PATENT-CLASS-317-234J			US-PATENT-CLASS-313-336	N72-28437* #	c 14	NASA-CASE-ERC-10081
	US-PATENT-CLASS-317-235A			US-PATENT-CLASS-313-351			US-PATENT-APPL-SN-877990
	US-PATENT-CLASS-317-235AJ			US-PATENT-CLASS-315-36			US-PATENT-CLASS-325-363
	US-PATENT-CLASS-317-235F			US-PATENT-3,671,798			US-PATENT-CLASS-343-100ME
	US-PATENT-CLASS-331-107G			NASA-CASE-MFS-20620			US-PATENT-CLASS-343-112D
	US-PATENT-3,667,010	N72-27262* #	c 11	US-PATENT-APPL-SN-154935			US-PATENT-CLASS-73-355
N72-25680* #	NASA-CASE-ERC-10275			US-PATENT-CLASS-73-117 1			US-PATENT-3,665,467
	US-PATENT-APPL-SN-47061			US-PATENT-CLASS-73-432SD	N72-28438* #	c 14	NASA-CASE-XLA-04980-2
	US-PATENT-CLASS-324-92			US-PATENT-3,670,564			US-PATENT-APPL-SN-577548
	US-PATENT-CLASS-324-96			NASA-CASE-NPO-11147			US-PATENT-APPL-SN-763040
	US-PATENT-CLASS-340-324R	N72-27408* #	c 14	US-PATENT-APPL-SN-63195			US-PATENT-CLASS-148-187
	US-PATENT-CLASS-350-150			US-PATENT-CLASS-324-79R			US-PATENT-3,549,435
	US-PATENT-CLASS-350-160R			US-PATENT-CLASS-328-189			NASA-CASE-MFS-14405
	US-PATENT-3,667,039			US-PATENT-CLASS-331-44	N72-28495* #	c 15	US-PATENT-APPL-SN-73283
N72-25699* #	NASA-CASE-NPO-12000			US-PATENT-3,670,241			US-PATENT-CLASS-214-1CM
	US-PATENT-APPL-SN-74861	N72-27409* #	c 14	NASA-CASE-NPO-11201			US-PATENT-CLASS-74-469
	US-PATENT-CLASS-149-19			US-PATENT-APPL-SN-77220			US-PATENT-3,631,737
	US-PATENT-CLASS-149-20			US-PATENT-CLASS-250-203R	N72-28496* #	c 15	NASA-CASE-MFS-20433
	US-PATENT-CLASS-149-36			US-PATENT-CLASS-250-225			US-PATENT-APPL-SN-114847
	US-PATENT-CLASS-149-92			US-PATENT-CLASS-350-147			US-PATENT-CLASS-52-1
	US-PATENT-3,658,608			US-PATENT-CLASS-356-141			US-PATENT-CLASS-52-573
N72-25842* #	NASA-CASE-MSC-12372-1			US-PATENT-CLASS-356-152			US-PATENT-3,675,376
	US-PATENT-APPL-SN-64391			US-PATENT-3,670,168	N72-28521* #	c 16	NASA-CASE-NPO-11437
	US-PATENT-CLASS-95-12 5			NASA-CASE-XLE-05230			US-PATENT-APPL-SN-63144
	US-PATENT-3,662,661	N72-27410* #	c 14	US-PATENT-APPL-SN-877717			US-PATENT-CLASS-330-4
N72-25877* #	NASA-CASE-LAR-10270-1			US-PATENT-CLASS-136-233			US-PATENT-CLASS-331-94
	US-PATENT-APPL-SN-60881			US-PATENT-3,671,329			US-PATENT-3,676,787
	US-PATENT-CLASS-73-100			NASA-CASE-MSC-12293-1	N72-28535* #	c 17	NASA-CASE-XLE-06461-2
	US-PATENT-CLASS-73-15 6			US-PATENT-APPL-SN-59956			US-PATENT-APPL-SN-156778
	US-PATENT-3,665,751	N72-27411* #	c 14	US-PATENT-CLASS-250-205			US-PATENT-APPL-SN-853855
N72-25911* #	NASA-CASE-LEW-10359			US-PATENT-CLASS-315-151			US-PATENT-CLASS-266-24
	US-PATENT-APPL-SN-47063			US-PATENT-CLASS-315-156			US-PATENT-3,675,910
	US-PATENT-CLASS-102-105			US-PATENT-CLASS-315-158	N72-28536* #	c 17	NASA-CASE-XLE-03940-2
	US-PATENT-CLASS-60-200A			US-PATENT-CLASS-315-297			US-PATENT-APPL-SN-539255
	US-PATENT-CLASS-60-265			US-PATENT-CLASS-315-307			US-PATENT-APPL-SN-793657
	US-PATENT-CLASS-60-267			US-PATENT-CLASS-315-310			US-PATENT-CLASS-29-182 5
	US-PATENT-CLASS-62-467			US-PATENT-CLASS-315-311			US-PATENT-3,676,084
	US-PATENT-3,656,317			US-PATENT-3,670,202	N72-28761* #	c 26	NASA-CASE-NPO-11775

		US-PATENT-APPL-SN-162230	N72-32487* #	c 15	NASA-CASE-LAR-10541-1	N73-12214* #	c 09	NASA-CASE-NPO-13091-1
		US-PATENT-CLASS-29-570			US-PATENT-APPL-SN-138229			US-PATENT-APPL-SN-290022
		US-PATENT-CLASS-317-230			US-PATENT-CLASS-118-49 1	N73-12244* #	c 10	NASA-CASE-NPO-11631
		US-PATENT-CLASS-317-261			US-PATENT-CLASS-204-298			US-PATENT-APPL-SN-123253
N72-28762* #	c 26	US-PATENT-3,676,754			US-PATENT-CLASS-219-121P			US-PATENT-CLASS-179-1P
		NASA-CASE-LAR-10294-1			US-PATENT-CLASS-219-273			US-PATENT-CLASS-325-473
		US-PATENT-APPL-SN-796685	N72-32688* #	c 25	US-PATENT-3,690,291			US-PATENT-CLASS-325-480
		US-PATENT-CLASS-106-39			NASA-CASE-MFS-20589			US-PATENT-3,700,812
		US-PATENT-CLASS-106-46			US-PATENT-APPL-SN-103077	N73-12264* #	c 11	NASA-CASE-LAR-10348-1
		US-PATENT-CLASS-117-212			US-PATENT-CLASS-313-231			US-PATENT-APPL-SN-70032
		US-PATENT-CLASS-117-217			US-PATENT-CLASS-315-111			US-PATENT-CLASS-73-147
		US-PATENT-CLASS-29-25 42			US-PATENT-3,693,002			US-PATENT-3,695,101
		US-PATENT-3,649,353	N72-33072* #	c 04	NASA-CASE-ERC-10338	N73-12265* #	c 11	NASA-CASE-NPO-10890
N72-29172* #	c 09	NASA-CASE-LAR-10511-1			US-PATENT-APPL-SN-50339			US-PATENT-APPL-SN-99903
		US-PATENT-APPL-SN-41345			US-PATENT-CLASS-23-109			US-PATENT-CLASS-137-559
		US-PATENT-CLASS-333-24R			US-PATENT-3,679,360			US-PATENT-CLASS-219-203
		US-PATENT-CLASS-333-98P	N72-33096* #	c 05	NASA-CASE-MSC-13540-1			US-PATENT-CLASS-219-522
		US-PATENT-CLASS-333-98R			US-PATENT-APPL-SN-68023			US-PATENT-CLASS-52-171
		US-PATENT-3,676,809			US-PATENT-CLASS-99-80PS			US-PATENT-3,696,833
N72-29464* #	c 14	NASA-CASE-ARC-10017-1			US-PATENT-3,692,533	N73-12444* #	c 14	NASA-CASE-GSC-10903-1
		US-PATENT-APPL-SN-55536	N72-33146* #	c 07	NASA-CASE-MSC-12259-2			US-PATENT-APPL-SN-114846
		US-PATENT-CLASS-250-41 9D			US-PATENT-APPL-SN-61895			US-PATENT-CLASS-250-41.9G
		US-PATENT-CLASS-250-71 5R			US-PATENT-APPL-SN-853763			US-PATENT-CLASS-250-41 9S
		US-PATENT-CLASS-313-356			US-PATENT-CLASS-325-373			US-PATENT-CLASS-73-421 5
		US-PATENT-3,676,674			US-PATENT-3,694,750			US-PATENT-3,700,893
N72-29488* #	c 15	NASA-CASE-XLE-10326-2	N72-33172* #	c 08	NASA-CASE-NPO-11630	N73-12445* #	c 14	NASA-CASE-LAR-10728-1
		US-PATENT-APPL-SN-54540			US-PATENT-APPL-SN-143078			US-PATENT-APPL-SN-112998
		US-PATENT-APPL-SN-723465			US-PATENT-CLASS-179-15 55R			US-PATENT-CLASS-250-83 3H
		US-PATENT-CLASS-277-25			US-PATENT-3,694,581			US-PATENT-CLASS-250-83 3R
		US-PATENT-CLASS-277-27	N72-33204* #	c 09	NASA-CASE-NPO-11129			US-PATENT-CLASS-250-83R
		US-PATENT-CLASS-277-74			US-PATENT-APPL-SN-883523			US-PATENT-3,700,897
		US-PATENT-3,675,935			US-PATENT-CLASS-307-262	N73-12446* #	c 14	NASA-CASE-NPO-11239
N72-31140* #	c 06	NASA-CASE-MSC-13335-1			US-PATENT-CLASS-307-295			US-PATENT-APPL-SN-89211
		US-PATENT-APPL-SN-55806			US-PATENT-CLASS-328-155			US-PATENT-CLASS-356-106
		US-PATENT-CLASS-55-16			US-PATENT-CLASS-328-24			US-PATENT-CLASS-356-114
		US-PATENT-CLASS-55-55			US-PATENT-3,621,406			US-PATENT-3,700,334
		US-PATENT-3,678,654	N72-33205* #	c 09	NASA-CASE-GSC-10835-1	N73-12447* #	c 14	NASA-CASE-NPO-11493
N72-31141* #	c 06	NASA-CASE-ARC-10308-1			US-PATENT-APPL-SN-116778			US-PATENT-APPL-SN-151413
		US-PATENT-APPL-SN-134568			US-PATENT-CLASS-317-101A			US-PATENT-CLASS-136-224
		US-PATENT-CLASS-250-43 5R			US-PATENT-CLASS-317-235			US-PATENT-3,700,503
		US-PATENT-CLASS-356-51			US-PATENT-CLASS-317-235A	N73-12486* #	c 15	NASA-CASE-KSC-10615
		US-PATENT-3,679,899			US-PATENT-CLASS-317-235AJ			US-PATENT-APPL-SN-103078
N72-31226* #	c 08	NASA-CASE-NPO-11016			US-PATENT-3,694,700			US-PATENT-CLASS-244-1SB
		US-PATENT-APPL-SN-889584	N72-33230* #	c 10	NASA-CASE-GSC-11340-1			US-PATENT-CLASS-244-135
		US-PATENT-CLASS-235-150 1			US-PATENT-APPL-SN-107379			US-PATENT-CLASS-62-45
		US-PATENT-CLASS-235-151 1			US-PATENT-CLASS-330-12			US-PATENT-CLASS-62-7
		US-PATENT-CLASS-235-92MT			US-PATENT-CLASS-331-115			US-PATENT-3,697,021
		US-PATENT-CLASS-323-19			US-PATENT-CLASS-331-116R	N73-12487* #	c 15	NASA-CASE-FRC-10019
		US-PATENT-CLASS-340-347AD			US-PATENT-CLASS-333-80T			US-PATENT-APPL-SN-880398
		US-PATENT-3,681,581			US-PATENT-3,693,105			US-PATENT-CLASS-204-192
N72-31235* #	c 09	NASA-CASE-ERC-10214	N72-33377* #	c 14	NASA-CASE-MFS-20760			US-PATENT-3,700,575
		US-PATENT-APPL-SN-863914			US-PATENT-APPL-SN-99174	N73-12488* #	c 15	NASA-CASE-ARC-10345-1
		US-PATENT-CLASS-343-770			US-PATENT-CLASS-73-141AB			US-PATENT-APPL-SN-193671
		US-PATENT-CLASS-343-771			US-PATENT-CLASS-73-85			US-PATENT-CLASS-287-85R
		US-PATENT-CLASS-343-786			US-PATENT-3,693,418			US-PATENT-CLASS-308-2A
		US-PATENT-CLASS-343-797	N72-33476* #	c 15	NASA-CASE-XGS-07805			US-PATENT-CLASS-74-5F
		US-PATENT-CLASS-343-853			US-PATENT-APPL-SN-104884			US-PATENT-3,700,291
		US-PATENT-3,680,142			US-PATENT-CLASS-308-10	N73-12489* #	c 15	NASA-CASE-MSC-12357
N72-31273* #	c 10	NASA-CASE-KSC-10647-1			US-PATENT-3,694,041			US-PATENT-APPL-SN-662763
		US-PATENT-APPL-SN-774691	N72-33477* #	c 15	NASA-CASE-NPO-11340			US-PATENT-CLASS-264-102
		US-PATENT-CLASS-178-7 5E			US-PATENT-APPL-SN-147997			US-PATENT-CLASS-264-28
		US-PATENT-CLASS-315-22R			US-PATENT-CLASS-137-13			US-PATENT-CLASS-264-36
		US-PATENT-CLASS-315-30R			US-PATENT-CLASS-137-81 5			US-PATENT-CLASS-264-40
		US-PATENT-CLASS-330-27R			US-PATENT-CLASS-60-1			US-PATENT-3,697,630
		US-PATENT-3,678,191			US-PATENT-CLASS-60-36	N73-12492* #	c 15	NASA-CASE-XLA-8914
N72-31446* #	c 14	NASA-CASE-ERC-10087-2			US-PATENT-3,693,346			US-PATENT-APPL-SN-810576
		US-PATENT-APPL-SN-738315	N72-33681* #	c 24	NASA-CASE-LEW-10518-1	N73-12495* #	c 15	NASA-CASE-NPO-13086-1
		US-PATENT-APPL-SN-91642			US-PATENT-APPL-SN-863280			US-PATENT-APPL-SN-29247
		US-PATENT-CLASS-29-588			US-PATENT-CLASS-176-11	N73-12547* #	c 17	NASA-CASE-LAR-10539-1
		US-PATENT-CLASS-317-234D			US-PATENT-3,694,313			US-PATENT-APPL-SN-136085
		US-PATENT-CLASS-317-234G	N72-33696* #	c 25	NASA-CASE-GSC-11291-1			US-PATENT-CLASS-23-230R
		US-PATENT-CLASS-317-235M			US-PATENT-APPL-SN-102412			US-PATENT-3,701,631
		US-PATENT-CLASS-317-235R			US-PATENT-CLASS-250-83 6R	N73-12604* #	c 18	NASA-CASE-MFS-20408
		US-PATENT-3,686,542			US-PATENT-3,694,655			US-PATENT-APPL-SN-71048
N72-31483* #	c 15	NASA-CASE-LAR-10061-1	N73-12175* #	c 08	NASA-CASE-NPO-11406			US-PATENT-CLASS-161-93
		US-PATENT-APPL-SN-104047			US-PATENT-APPL-SN-95183			US-PATENT-3,700,538
		US-PATENT-CLASS-251-331			US-PATENT-CLASS-235-152	N73-12884* #	c 30	NASA-CASE-MSC-12391
		US-PATENT-CLASS-251-86			US-PATENT-CLASS-331-78			US-PATENT-APPL-SN-106465
		US-PATENT-3,680,830			US-PATENT-CLASS-340-146 1AL			US-PATENT-CLASS-244-155
N72-31637* #	c 21	NASA-CASE-GSC-10945-1			US-PATENT-3,700,869			US-PATENT-3,700,193
		US-PATENT-APPL-SN-75431	N73-12176* #	c 08	NASA-CASE-KSC-10595	N73-13008* #	c 02	NASA-CASE-GSC-11077-1
		US-PATENT-CLASS-60-23			US-PATENT-APPL-SN-98772			US-PATENT-APPL-SN-127618
		US-PATENT-CLASS-60-26			US-PATENT-CLASS-235-155			US-PATENT-CLASS-244-32
		US-PATENT-3,678,685			US-PATENT-CLASS-340-347DD			US-PATENT-3,698,667
N72-32169* #	c 07	NASA-CASE-NPO-11361			US-PATENT-3,697,733	N73-13114* #	c 05	NASA-CASE-MSC-13604-1
		US-PATENT-APPL-SN-112988	N73-12177* #	c 08	NASA-CASE-NPO-11371			US-PATENT-APPL-SN-78717
		US-PATENT-CLASS-343-781			US-PATENT-APPL-SN-117575			US-PATENT-CLASS-128-2N
		US-PATENT-CLASS-343-837			US-PATENT-CLASS-340-146 1AQ			US-PATENT-CLASS-273-1E
		US-PATENT-CLASS-343-840			US-PATENT-CLASS-340-146 1AV			US-PATENT-CLASS-35-22R
		US-PATENT-CLASS-343-915			US-PATENT-3,697,950			US-PATENT-3,698,385
		US-PATENT-3,680,144	N73-12211* #	c 09	NASA-CASE-ERC-10412-1	N73-13128* #	c 06	NASA-CASE-GSC-11214-1
N72-32452* #	c 14	NASA-CASE-MFS-15162			US-PATENT-APPL-SN-72024			US-PATENT-APPL-SN-115134
		US-PATENT-APPL-SN-100639			US-PATENT-CLASS-343-11R			US-PATENT-CLASS-117-35R
		US-PATENT-CLASS-350-79			US-PATENT-CLASS-343-11VB			US-PATENT-3,702,775
		US-PATENT-CLASS-356-241			US-PATENT-CLASS-343-5DP	N73-13129* #	c 06	NASA-CASE-XNP-08124-2
		US-PATENT-3,694,094			US-PATENT-3,696,418			US-PATENT-APPL-SN-97829

	US-PATENT-CLASS-75-66		US-PATENT-CLASS-91-448		US-PATENT-CLASS-219-101
	US-PATENT-3,702,762		US-PATENT-3,702,575		US-PATENT-CLASS-219-119
N73-13149* #	NASA-CASE-NPO-11302-1	N73-13467* #	NASA-CASE-NPO-11369	N73-14469* #	US-PATENT-CLASS-29-203V
c 07	US-PATENT-APPL-SN-70967	c 15	US-PATENT-APPL-SN-129072	c 15	US-PATENT-3,705,288
	US-PATENT-CLASS-178-69 5		US-PATENT-CLASS-60-1		NASA-CASE-GSC-10791-1
	US-PATENT-CLASS-235-150 53		US-PATENT-CLASS-60-23		US-PATENT-APPL-SN-84289
	US-PATENT-CLASS-235-181		US-PATENT-CLASS-60-37		US-PATENT-CLASS-174-52S
	US-PATENT-CLASS-325-325		US-PATENT-3,702,532		US-PATENT-CLASS-29-589
	US-PATENT-CLASS-340-146 1	N73-13489* #	NASA-CASE-HQN-10654-1	N73-13489* #	US-PATENT-CLASS-29-591
	US-PATENT-3,701,894	c 16	US-PATENT-APPL-SN-182978		US-PATENT-CLASS-317-234A
N73-13187* #	NASA-CASE-GSC-10975-1		US-PATENT-CLASS-324- 5R		US-PATENT-CLASS-317-234G
c 08	US-PATENT-APPL-SN-100996		US-PATENT-CLASS-331-94		US-PATENT-3,705,255
	US-PATENT-CLASS-340-172 5		US-PATENT-3,702,972	N73-14584* #	NASA-CASE-LAR-10894-1
	US-PATENT-3,702,463	N73-13562* #	NASA-CASE-ARC-10196-1	c 18	US-PATENT-APPL-SN-189375
N73-13208* #	NASA-CASE-LEW-11192-1	c 18	US-PATENT-APPL-SN-115082		US-PATENT-CLASS-106-39R
c 09	US-PATENT-APPL-SN-198285		US-PATENT-CLASS-260-2 5F		US-PATENT-CLASS-106-55
	US-PATENT-CLASS-315-3 5		US-PATENT-3,702,841		US-PATENT-CLASS-106-58
	US-PATENT-CLASS-315-5 38	N73-13643* #	NASA-CASE-HQN-10703	N73-13643* #	US-PATENT-CLASS-106-63
	US-PATENT-3,702,951	c 21	US-PATENT-APPL-SN-156724		US-PATENT-CLASS-264-DIG 36
N73-13209* #	NASA-CASE-XLA-05099		US-PATENT-CLASS-340-27NA		US-PATENT-CLASS-264-65
c 09	US-PATENT-APPL-SN-98798		US-PATENT-CLASS-340-33		US-PATENT-3,706,583
	US-PATENT-CLASS-235-152		US-PATENT-CLASS-340-97	N73-14692* #	NASA-CASE-ERC-10392
	US-PATENT-CLASS-307-207		US-PATENT-CLASS-343-112CA	c 21	US-PATENT-APPL-SN-36534
	US-PATENT-CLASS-307-215		US-PATENT-3,699,511		US-PATENT-CLASS-340-27AT
N73-13235* #	US-PATENT-3,700,868	N73-13644* #	NASA-CASE-NPO-11481	N73-13644* #	US-PATENT-3,706,970
c 10	NASA-CASE-KSC-10003	c 21	US-PATENT-APPL-SN-134571	N73-14853* #	NASA-CASE-GSC-10590-1
	US-PATENT-APPL-SN-60883		US-PATENT-CLASS-179-100 2A		US-PATENT-APPL-SN-130353
	US-PATENT-CLASS-178-DIG 6		US-PATENT-CLASS-340-174 1R		US-PATENT-CLASS-102-49 5
	US-PATENT-CLASS-178-6		US-PATENT-CLASS-346-138	N73-14854* #	US-PATENT-3,706,281
	US-PATENT-CLASS-307-242		US-PATENT-CLASS-346-74MD	c 31	NASA-CASE-MS-12433
	US-PATENT-CLASS-307-259		US-PATENT-CLASS-74-5 22		US-PATENT-APPL-SN-103551
	US-PATENT-CLASS-328-104		US-PATENT-3,697,968		US-PATENT-CLASS-244-155
	US-PATENT-CLASS-328-154	N73-13660* #	NASA-CASE-MFS-20809	N73-13660* #	US-PATENT-3,702,688
	US-PATENT-3,702,898	c 23	US-PATENT-APPL-SN-173185	N73-14855* #	NASA-CASE-NPO-10680
N73-13257* #	NASA-CASE-LAR-10574-1		US-PATENT-CLASS-315-169R	c 31	US-PATENT-APPL-SN-104048
c 11	US-PATENT-APPL-SN-66206		US-PATENT-CLASS-315-169TV		US-PATENT-CLASS-74-2
	US-PATENT-CLASS-244-1SS		US-PATENT-CLASS-317-101A	N73-15235* #	US-PATENT-3,706,230
	US-PATENT-3,698,659	N73-13661* #	US-PATENT-3,700,961	c 09	NASA-CASE-NPO-12106
N73-13415* #	NASA-CASE-LAR-10855-1	c 23	NASA-CASE-MS-12404-1		US-PATENT-APPL-SN-175881
c 14	US-PATENT-APPL-SN-166541		US-PATENT-APPL-SN-142662		US-PATENT-CLASS-317-234R
	US-PATENT-CLASS-73-147		US-PATENT-CLASS-356-106S		US-PATENT-CLASS-317-235AG
	US-PATENT-CLASS-73-182	N73-13662* #	US-PATENT-3,702,735		US-PATENT-CLASS-317-235K
	US-PATENT-CLASS-73-189	c 23	NASA-CASE-MFS-20243		US-PATENT-CLASS-331-107G
	US-PATENT-CLASS-73-212		US-PATENT-APPL-SN-59894		US-PATENT-CLASS-331-177R
	US-PATENT-3,699,811		US-PATENT-CLASS-250-51 5		US-PATENT-CLASS-331-90
N73-13416* #	NASA-CASE-GSC-11302-1		US-PATENT-CLASS-250-52	N73-16106* #	US-PATENT-3,694,771
c 14	US-PATENT-APPL-SN-168650		US-PATENT-3,702,933	c 06	NASA-CASE-LAR-10668-1
	US-PATENT-CLASS-73-71 6	N73-13773* #	NASA-CASE-LEW-10374-1		US-PATENT-APPL-SN-172459
	US-PATENT-3,699,807	c 28	US-PATENT-APPL-SN-107380		US-PATENT-CLASS-23-232E
N73-13417* #	NASA-CASE-XLE-05230-2		US-PATENT-CLASS-137-81 5		US-PATENT-CLASS-317-234V
c 14	US-PATENT-APPL-SN-147099		US-PATENT-CLASS-60-211		US-PATENT-CLASS-23-254E
	US-PATENT-APPL-SN-877717		US-PATENT-CLASS-60-240		US-PATENT-CLASS-23-254R
	US-PATENT-CLASS-136-233		US-PATENT-CLASS-60-243		US-PATENT-CLASS-250-71R
	US-PATENT-CLASS-29-573		US-PATENT-3,702,536		US-PATENT-CLASS-250-83 3UV
	US-PATENT-CLASS-29-624	N73-13898* #	NASA-CASE-LAR-10549-1	N73-13898* #	US-PATENT-3,709,663
	US-PATENT-3,699,645	c 31	US-PATENT-APPL-SN-108824	c 07	NASA-CASE-NPO-11572
N73-13418* #	NASA-CASE-MFS-14216		US-PATENT-CLASS-244-139		US-PATENT-APPL-SN-125234
c 14	US-PATENT-APPL-SN-50208		US-PATENT-CLASS-60-291		US-PATENT-CLASS-179-15AN
	US-PATENT-CLASS-137-487 5		US-PATENT-3,700,192		US-PATENT-CLASS-179-15BC
	US-PATENT-CLASS-137-81	N73-13921* #	NASA-CASE-MS-12233-2		US-PATENT-CLASS-325-60
	US-PATENT-CLASS-92-49	c 32	US-PATENT-APPL-SN-107298		US-PATENT-CLASS-343-200
	US-PATENT-3,698,412		US-PATENT-CLASS-229-DIG 11	N73-16205* #	US-PATENT-3,710,257
N73-13420* #	NASA-CASE-NPO-11418-1		US-PATENT-CLASS-52-284	c 10	NASA-CASE-NPO-11282
c 14	US-PATENT-APPL-SN-193947		US-PATENT-CLASS-52-594		US-PATENT-APPL-SN-101354
	US-PATENT-CLASS-333-81B		US-PATENT-3,702,520		US-PATENT-CLASS-325-346
	US-PATENT-CLASS-333-98R	N73-14130* #	NASA-CASE-NPO-11661		US-PATENT-CLASS-325-419
	US-PATENT-3,702,979	c 07	US-PATENT-APPL-SN-200682		US-PATENT-3,710,261
N73-13435* #	NASA-CASE-GSC-11533-1		US-PATENT-CLASS-343-782	N73-16206* #	NASA-CASE-ERC-10285
c 14	US-PATENT-APPL-SN-305013		US-PATENT-CLASS-343-837	c 10	US-PATENT-APPL-SN-55333
	NASA-CASE-NPO-11479		US-PATENT-CLASS-343-915		US-PATENT-CLASS-331-45
N73-13462* #	US-PATENT-APPL-SN-170440		US-PATENT-3,705,406		US-PATENT-CLASS-343-100R
c 15	US-PATENT-CLASS-137-608	N73-14214* #	NASA-CASE-ARC-10467-1		US-PATENT-CLASS-343-100SA
	US-PATENT-CLASS-137-81 5	c 09	US-PATENT-APPL-SN-212028		US-PATENT-CLASS-343-853
	US-PATENT-CLASS-138-45		US-PATENT-CLASS-250-205	N73-16483* #	US-PATENT-3,710,329
	US-PATENT-CLASS-251-122		US-PATENT-CLASS-250-211J	c 14	NASA-CASE-ERC-10226-1
	US-PATENT-3,700,005		US-PATENT-CLASS-250-217SS		US-PATENT-APPL-SN-124909
N73-13463* #	NASA-CASE-MFS-20317		US-PATENT-CLASS-307-310		US-PATENT-APPL-SN-808822
c 15	US-PATENT-APPL-SN-67730		US-PATENT-CLASS-307-31 1		US-PATENT-CLASS-250-209
	US-PATENT-CLASS-173-131		US-PATENT-3,705,316		US-PATENT-CLASS-250-215
	US-PATENT-CLASS-72-447	N73-14427* #	NASA-CASE-NPO-10758		US-PATENT-CLASS-250-217
	US-PATENT-CLASS-72-476	c 14	US-PATENT-APPL-SN-81096		US-PATENT-CLASS-315-153
	US-PATENT-3,699,799		US-PATENT-CLASS-352-169		US-PATENT-CLASS-340-25
N73-13464* #	NASA-CASE-NPO-10812		US-PATENT-CLASS-95-12 5		US-PATENT-CLASS-340-27R
c 15	US-PATENT-APPL-SN-129073		US-PATENT-CLASS-95-59		US-PATENT-3,708,671
	US-PATENT-CLASS-425-113		US-PATENT-3,704,659	N73-16484* #	NASA-CASE-LAR-10739-1
	US-PATENT-CLASS-425-133	N73-14428* #	NASA-CASE-NPO-10764-1	c 14	US-PATENT-APPL-SN-134567
	US-PATENT-CLASS-425-176		US-PATENT-APPL-SN-836280		US-PATENT-CLASS-250-217F
	US-PATENT-CLASS-72-258		US-PATENT-CLASS-252-408		US-PATENT-CLASS-340-228S
	US-PATENT-3,698,848		US-PATENT-3,700,603		US-PATENT-CLASS-340-418
N73-13465* #	NASA-CASE-LEW-10805-1	N73-14429* #	NASA-CASE-NPO-11387		US-PATENT-3,708,674
c 15	US-PATENT-APPL-SN-29917	c 14	US-PATENT-APPL-SN-142719	N73-16536* #	NASA-CASE-LAR-10311-1
	US-PATENT-CLASS-148-11 5R		US-PATENT-CLASS-73-57		US-PATENT-APPL-SN-31702
	US-PATENT-3,702,791		US-PATENT-CLASS-73-60		US-PATENT-CLASS-250-199
N73-13466* #	NASA-CASE-MFS-20944		US-PATENT-3,706,221		US-PATENT-CLASS-340-171
c 15	US-PATENT-APPL-SN-148756	N73-14468* #	NASA-CASE-LAR-10103-1		US-PATENT-CLASS-350-293
	US-PATENT-CLASS-91-363A	c 15	US-PATENT-APPL-SN-103230		US-PATENT-3,710,122

N73-25462* #	c 14	NASA-CASE-NPO-11686 US-PATENT-APPL-SN-212900 US-PATENT-CLASS-250-203R US-PATENT-CLASS-250-214 US-PATENT-CLASS-250-214 US-PATENT-CLASS-250-83 3H US-PATENT-CLASS-356-152 US-PATENT-3,723,745	N73-26175* #	c 08	US-PATENT-APPL-SN-89210 US-PATENT-CLASS-250-199 US-PATENT-CLASS-331-94 5 US-PATENT-CLASS-332-7 51 US-PATENT-CLASS-356-4 US-PATENT-CLASS-356-5 US-PATENT-3,737,231 NASA-CASE-NPO-11821-1 US-PATENT-APPL-SN-236285 US-PATENT-CLASS-235-152 US-PATENT-CLASS-235-164 US-PATENT-CLASS-328-167 US-PATENT-3,732,409	N73-26910* #	c 32	NASA-CASE-LAR-10756-1 US-PATENT-APPL-SN-160859 US-PATENT-CLASS-235-92MT US-PATENT-CLASS-73-67 3 US-PATENT-CLASS-73-88 5R US-PATENT-CLASS-73-91 US-PATENT-3,733,424
N73-25463* #	c 14	NASA-CASE-ARC-10278-1 US-PATENT-APPL-SN-154933 US-PATENT-CLASS-356-110 US-PATENT-3,729,260	N73-26176* #	c 08	NASA-CASE-NPO-11456 US-PATENT-APPL-SN-153543 US-PATENT-CLASS-340-172 5 US-PATENT-3,740,725	N73-26958* #	c 33	NASA-CASE-NPO-11330 US-PATENT-APPL-SN-118269 US-PATENT-CLASS-285-DIG 21 US-PATENT-CLASS-285-316 US-PATENT-3,737,181
N73-25512* #	c 15	NASA-CASE-LAR-10129-1 US-PATENT-APPL-SN-99201 US-PATENT-CLASS-182-5 US-PATENT-CLASS-188-65 1 US-PATENT-CLASS-24-134R US-PATENT-CLASS-254-156 US-PATENT-3,729,068	N73-26195* #	c 09	NASA-CASE-GSC-10990-1 US-PATENT-APPL-SN-93329 US-PATENT-CLASS-333-73R US-PATENT-CLASS-333-73S US-PATENT-CLASS-333-82A US-PATENT-CLASS-333-84M US-PATENT-3,737,815	N73-27052* #	c 04	NASA-CASE-GSC-11092-2 US-PATENT-APPL-SN-139250 US-PATENT-APPL-SN-60950 US-PATENT-CLASS-103 5R US-PATENT-3,745,090
N73-25513* #	c 15	NASA-CASE-GSC-11205-1 US-PATENT-APPL-SN-107376 US-PATENT-CLASS-188-266 US-PATENT-CLASS-244-15A US-PATENT-3,737,118	N73-26228* #	c 10	NASA-CASE-ERC-10403-1 US-PATENT-APPL-SN-253405 US-PATENT-CLASS-317-DIG 6 US-PATENT-CLASS-321-11 US-PATENT-CLASS-321-45C US-PATENT-3,737,757	N73-27062* #	c 05	NASA-CASE-LEW-11669-1 US-PATENT-APPL-SN-198885 US-PATENT-CLASS-128-2 US-PATENT-CLASS-128-24A US-PATENT-CLASS-128-305 US-PATENT-CLASS-32-28 US-PATENT-CLASS-32-58 US-PATENT-3,736,938
N73-25760* #	c 25	NASA-CASE-LEW-11180-1 US-PATENT-APPL-SN-175852 US-PATENT-CLASS-313-161 US-PATENT-CLASS-313-231 US-PATENT-CLASS-60-202 US-PATENT-3,735,591	N73-26229* #	c 10	NASA-CASE-NPO-11569 US-PATENT-APPL-SN-199957 US-PATENT-CLASS-307-220 US-PATENT-CLASS-307-223 US-PATENT-3,737,676	N73-27086* #	c 06	NASA-CASE-GSC-10225-1 US-PATENT-APPL-SN-710621 US-PATENT-CLASS-195-66R US-PATENT-3,745,089
N73-25952* #	c 33	NASA-CASE-LEW-10359-2 US-PATENT-APPL-SN-150215 US-PATENT-APPL-SN-47063 US-PATENT-CLASS-102-105 US-PATENT-CLASS-244-117A US-PATENT-CLASS-60-200A US-PATENT-CLASS-60-265 US-PATENT-CLASS-60-267 US-PATENT-CLASS-62-467 US-PATENT-3,720,075	N73-26230* #	c 10	NASA-CASE-MS-C-13907-1 US-PATENT-APPL-SN-254177 US-PATENT-CLASS-235-186 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-3,737,639	N73-27150* #	c 09	NASA-CASE-ERC-10224-2 US-PATENT-APPL-SN-221833 US-PATENT-APPL-SN-868775 US-PATENT-CLASS-29-580 US-PATENT-CLASS-317-234G US-PATENT-CLASS-317-234L US-PATENT-CLASS-317-234M US-PATENT-CLASS-317-234N US-PATENT-CLASS-317-234R US-PATENT-3,742,316
N73-26004* #	c 02	NASA-CASE-LAR-10682-1 US-PATENT-APPL-SN-127915 US-PATENT-CLASS-244-75A US-PATENT-CLASS-244-76C US-PATENT-CLASS-244-77F US-PATENT-CLASS-244-77G US-PATENT-3,734,432	N73-26238* #	c 11	NASA-CASE-NPO-11366 US-PATENT-APPL-SN-144139 US-PATENT-CLASS-180-41 US-PATENT-CLASS-180-6 5 US-PATENT-CLASS-180-7R US-PATENT-CLASS-180-8A US-PATENT-CLASS-180-9 2R US-PATENT-CLASS-180-9 5 US-PATENT-CLASS-305-35EB US-PATENT-CLASS-305-39 US-PATENT-3,730,287	N73-27171* #	c 10	NASA-CASE-NPO-11941-1 US-PATENT-APPL-SN-241614 US-PATENT-CLASS-330-70CR US-PATENT-CLASS-331-117 US-PATENT-CLASS-331-25 US-PATENT-3,740,671
N73-26005* #	c 02	NASA-CASE-ARC-10470-1 US-PATENT-APPL-SN-206279 US-PATENT-CLASS-244-13 US-PATENT-CLASS-244-46 US-PATENT-CLASS-244-55 US-PATENT-3,737,121	N73-26430* #	c 14	NASA-CASE-NPO-11304 US-PATENT-APPL-SN-101214 US-PATENT-CLASS-219-490 US-PATENT-CLASS-219-459 US-PATENT-3,733,463	N73-27376* #	c 14	NASA-CASE-HQN-10037-1 US-PATENT-APPL-SN-235957 US-PATENT-CLASS-73-28 US-PATENT-3,741,001
N73-26006* #	c 02	NASA-CASE-MS-C-12393-1 US-PATENT-APPL-SN-203405 US-PATENT-CLASS-114-122 US-PATENT-CLASS-9-11A US-PATENT-CLASS-9-2A US-PATENT-CLASS-9-3 US-PATENT-3,736,607	N73-26431* #	c 14	NASA-CASE-MS-C-12363-1 US-PATENT-APPL-SN-125236 US-PATENT-CLASS-95-1 1 US-PATENT-3,736,849	N73-27377* #	c 14	NASA-CASE-MFS-21046-1 US-PATENT-APPL-SN-156725 US-PATENT-CLASS-272-73 US-PATENT-CLASS-35-12C US-PATENT-3,744,794
N73-26071* #	c 05	NASA-CASE-ARC-10599-1 US-PATENT-APPL-SN-247481 US-PATENT-CLASS-165-46 US-PATENT-CLASS-2-2 1 US-PATENT-CLASS-62-176 US-PATENT-CLASS-62-207 US-PATENT-CLASS-62-209 US-PATENT-CLASS-62-259 US-PATENT-CLASS-62-89 US-PATENT-3,736,764	N73-26432* #	c 14	NASA-CASE-ERC-10276 US-PATENT-APPL-SN-24155 US-PATENT-CLASS-250-209 US-PATENT-CLASS-340-15 5GC US-PATENT-CLASS-343-100ME US-PATENT-3,737,905	N73-27378* #	c 14	NASA-CASE-KSC-10626 US-PATENT-APPL-SN-180963 US-PATENT-CLASS-222-414 US-PATENT-CLASS-244-1SS US-PATENT-CLASS-244-135 US-PATENT-3,744,738
N73-26072* #	c 05	NASA-CASE-ARC-10329-1 US-PATENT-APPL-SN-159857 US-PATENT-CLASS-128-2 1R US-PATENT-CLASS-351-23 US-PATENT-CLASS-351-30 US-PATENT-CLASS-351-36 US-PATENT-3,737,217	N73-26472* #	c 15	NASA-CASE-KSC-10639 US-PATENT-APPL-SN-181023 US-PATENT-CLASS-137-397 US-PATENT-CLASS-137-582 US-PATENT-3,736,956	N73-27379* #	c 14	NASA-CASE-FRC-10060-1 US-PATENT-APPL-SN-189290 US-PATENT-CLASS-179-175 1A US-PATENT-CLASS-340-5C US-PATENT-CLASS-73-1DV US-PATENT-3,744,294
N73-26100* #	c 06	NASA-CASE-GSC-11358-1 US-PATENT-APPL-SN-226551 US-PATENT-CLASS-260-46 5R US-PATENT-3,733,350	N73-26572* #	c 18	NASA-CASE-ARC-10304-1 US-PATENT-APPL-SN-140946 US-PATENT-CLASS-252-8 1 US-PATENT-3,730,891	N73-27405* #	c 15	NASA-CASE-MFS-20855 US-PATENT-APPL-SN-127647 US-PATENT-CLASS-219-348 US-PATENT-CLASS-53-112A US-PATENT-CLASS-53-22A US-PATENT-3,745,739
N73-26117* #	c 07	NASA-CASE-KSC-10392 US-PATENT-APPL-SN-181024 US-PATENT-CLASS-343-880 US-PATENT-CLASS-343-883 US-PATENT-CLASS-343-889 US-PATENT-CLASS-343-895 US-PATENT-3,737,912	N73-26751* #	c 26	NASA-CASE-MFS-20675 US-PATENT-APPL-SN-200085 US-PATENT-CLASS-250-219TH US-PATENT-CLASS-356-108 US-PATENT-CLASS-356-161 US-PATENT-CLASS-356-202 US-PATENT-3,737,237	N73-27406* #	c 15	NASA-CASE-NPO-11377 US-PATENT-APPL-SN-187262 US-PATENT-CLASS-137-1 US-PATENT-CLASS-137-154 US-PATENT-CLASS-137-604 US-PATENT-3,744,510
N73-26118* #	c 07	NASA-CASE-NPO-11548 US-PATENT-APPL-SN-151411 US-PATENT-CLASS-179-15A US-PATENT-CLASS-179-15BM US-PATENT-CLASS-325-40 US-PATENT-CLASS-343-204 US-PATENT-3,737,776	N73-26752* #	c 26	NASA-CASE-LEW-11726-1 US-PATENT-APPL-SN-280031 US-PATENT-CLASS-156-18 US-PATENT-CLASS-174-DIG 6 US-PATENT-CLASS-29-599 US-PATENT-CLASS-336-DIG 1 US-PATENT-CLASS-336-200 US-PATENT-3,737,824	N73-27446* #	c 17	NASA-CASE-LAR-10953-1 US-PATENT-APPL-SN-163152 US-PATENT-CLASS-23-230R US-PATENT-3,744,972
N73-26119* #	c 07	NASA-CASE-NPO-11426	N73-26876* #	c 31	NASA-CASE-MFS-20863 US-PATENT-APPL-SN-159966 US-PATENT-CLASS-244-1SD US-PATENT-CLASS-244-137P US-PATENT-3,737,117	N73-27699* #	c 28	NASA-CASE-XLE-10453-2 US-PATENT-APPL-SN-180473 US-PATENT-APPL-SN-758540 US-PATENT-CLASS-313-217 US-PATENT-CLASS-313-218 US-PATENT-CLASS-313-230 US-PATENT-CLASS-313-355 US-PATENT-CLASS-313-63 US-PATENT-CLASS-60-202 US-PATENT-3,744,247

	US-PATENT-CLASS-73-432R		US-PATENT-CLASS-219-62		US-PATENT-CLASS-324-29 5
	US-PATENT-CLASS-73-86		US-PATENT-CLASS-27-498		US-PATENT-CLASS-324-57R
	US-PATENT-3,745,816		US-PATENT-CLASS-29-497 5		US-PATENT-CLASS-324-62R
N73-27941* #	c 05		US-PATENT-3,745,300		US-PATENT-CLASS-324-95
	NASA-CASE-MFS-21109-1	N73-28516* #	NASA-CASE-XNP-01187	N73-30389* #	US-PATENT-3,750,016
	US-PATENT-APPL-SN-202769		US-PATENT-APPL-SN-155598		NASA-CASE-MFS-20546-2
	US-PATENT-CLASS-128-2 05R		US-PATENT-CLASS-317-158		US-PATENT-APPL-SN-11220
	US-PATENT-CLASS-128-2 06R		US-PATENT-3,244,943		US-PATENT-APPL-SN-51317
	US-PATENT-CLASS-272-73	N73-28573* #	NASA-CASE-XNP-08876		US-PATENT-CLASS-250-105
	US-PATENT-CLASS-73-379		US-PATENT-APPL-SN-527331		US-PATENT-CLASS-250-65R
	US-PATENT-3,744,480		US-PATENT-CLASS-75-66		US-PATENT-3,749,911
N73-27980* #	c 06		US-PATENT-3,419,384	N73-30390* #	c 14
	NASA-CASE-LEW-11325-1		NASA-CASE-XNP-01185		NASA-CASE-XGS-07752
	US-PATENT-APPL-SN-184960	N73-28710* #	US-PATENT-APPL-SN-155595		US-PATENT-APPL-SN-533659
	US-PATENT-CLASS-117-161P		US-PATENT-CLASS-317-158		US-PATENT-CLASS-73-4
	US-PATENT-CLASS-117-161UN		US-PATENT-CLASS-317-158		US-PATENT-3,395,565
	US-PATENT-CLASS-117-228		US-PATENT-3,198,994	N73-30391* #	c 14
	US-PATENT-CLASS-161-214		NASA-CASE-MFS-21010-1		NASA-CASE-XLA-05087
	US-PATENT-CLASS-161-227	N73-30078* #	US-PATENT-APPL-SN-251609		US-PATENT-APPL-SN-459407
	US-PATENT-CLASS-260-30 2		US-PATENT-CLASS-73-379		US-PATENT-CLASS-315-111
	US-PATENT-CLASS-260-30 8DS		US-PATENT-3,750,479	N73-30392* #	c 14
	US-PATENT-CLASS-260-32 6N		NASA-CASE-LAR-10670-1		NASA-CASE-MFS-21441-1
	US-PATENT-CLASS-260-33 4R		US-PATENT-APPL-SN-59892		US-PATENT-APPL-SN-231662
	US-PATENT-CLASS-260-33 6R		US-PATENT-CLASS-149-1		US-PATENT-CLASS-250-394
	US-PATENT-CLASS-260-47CP		US-PATENT-CLASS-149-36		US-PATENT-CLASS-250-518
	US-PATENT-CLASS-260-65		US-PATENT-CLASS-252-301 4	N73-30393* #	c 14
	US-PATENT-CLASS-260-78TF		US-PATENT-CLASS-252-305		NASA-CASE-GSC-11487-1
	US-PATENT-CLASS-260-78UA		US-PATENT-CLASS-60-215		US-PATENT-APPL-SN-193814
	US-PATENT-3,745,149		US-PATENT-3,751,913		US-PATENT-CLASS-250-203
N73-28012* #	c 07		NASA-CASE-MFS-21040-1		US-PATENT-CLASS-350-199
	NASA-CASE-NPO-11593-1	N73-30098* #	US-PATENT-APPL-SN-183240		US-PATENT-CLASS-350-204
	US-PATENT-APPL-SN-172807		US-PATENT-CLASS-260-485F		US-PATENT-3,752,559
	US-PATENT-CLASS-179-15FS		US-PATENT-3,752,847	N73-30394* #	c 14
	US-PATENT-CLASS-325-419		NASA-CASE-MFS-10512		NASA-CASE-LAR-10000
	US-PATENT-CLASS-329-122	N73-30099* #	US-PATENT-APPL-SN-606027		US-PATENT-APPL-SN-613235
	US-PATENT-3,745,255		US-PATENT-CLASS-260-77 5		US-PATENT-CLASS-73-398
N73-28013* #	c 07		US-PATENT-3,463,761	N73-30395* #	c 14
	NASA-CASE-GSC-11046-1		NASA-CASE-MFS-10506		NASA-CASE-LAR-10623-1
	US-PATENT-APPL-SN-182399		US-PATENT-APPL-SN-606036		US-PATENT-APPL-SN-214086
	US-PATENT-CLASS-343-725		US-PATENT-CLASS-260-77 5		US-PATENT-CLASS-15-415
	US-PATENT-CLASS-343-729		US-PATENT-3,463,762		US-PATENT-CLASS-73-28
	US-PATENT-CLASS-343-797		NASA-CASE-MFS-10507		US-PATENT-CLASS-73-421 5R
	US-PATENT-CLASS-343-803		US-PATENT-3,463,762		US-PATENT-3,748,905
	US-PATENT-CLASS-343-893	N73-30101* #	NASA-CASE-MFS-10507		NASA-CASE-GSC-11149-1
	US-PATENT-3,747,111		US-PATENT-APPL-SN-605994	N73-30457* #	c 15
N73-28045* #	c 08		US-PATENT-CLASS-260-615		US-PATENT-APPL-SN-152849
	NASA-CASE-XNP-00477		US-PATENT-3,452,103		US-PATENT-CLASS-254-29A
	US-PATENT-APPL-SN-175497		NASA-CASE-MFS-11492		US-PATENT-CLASS-29-452
	US-PATENT-CLASS-340-347	N73-30102* #	US-PATENT-APPL-SN-707440		US-PATENT-CLASS-81-57 38
	US-PATENT-3,219,997		US-PATENT-CLASS-260-2		US-PATENT-3,749,362
N73-28083* #	c 09		US-PATENT-3,577,356	N73-30458* #	c 15
	NASA-CASE-GSC-11215-1		NASA-CASE-MFS-10509		NASA-CASE-LEW-11087-1
	US-PATENT-APPL-SN-114873		US-PATENT-APPL-SN-605964		US-PATENT-APPL-SN-201904
	US-PATENT-CLASS-29-628		US-PATENT-CLASS-260-77 5		US-PATENT-CLASS-308-188
	US-PATENT-CLASS-29-629		US-PATENT-3,475,384		US-PATENT-CLASS-308-193
	US-PATENT-CLASS-29-630		NASA-CASE-NPO-11628-1		US-PATENT-3,751,123
	US-PATENT-CLASS-29-630A		US-PATENT-APPL-SN-207211	N73-30459* #	c 15
	US-PATENT-3,744,128		US-PATENT-CLASS-325-420		NASA-CASE-MSC-13587-1
N73-28084* #	c 09		US-PATENT-CLASS-325-422		US-PATENT-APPL-SN-206698
	NASA-CASE-XNP-03623		US-PATENT-CLASS-329-120		US-PATENT-CLASS-137-516 27
	US-PATENT-APPL-SN-471154		US-PATENT-3,746,998		US-PATENT-CLASS-137-535
	US-PATENT-CLASS-178-69 5		NASA-CASE-KSC-10654-1	N73-30460* #	c 15
	US-PATENT-3,402,265		US-PATENT-APPL-SN-250766		US-PATENT-3,749,123
N73-28144* #	c 12		US-PATENT-CLASS-178-DIG 23		NASA-CASE-HQN-10638-1
	NASA-CASE-LAR-10612-1		US-PATENT-CLASS-178-6 6DD		US-PATENT-SN-212977
	US-PATENT-APPL-SN-233173		US-PATENT-CLASS-178-6 8		US-PATENT-CLASS-188-1C
	US-PATENT-CLASS-73-147		US-PATENT-CLASS-179-158S		US-PATENT-CLASS-297-386
	US-PATENT-3,744,305	N73-30115* #	US-PATENT-3,749,831		US-PATENT-3,749,205
N73-28486* #	c 14		NASA-CASE-NPO-10817-1		NASA-CASE-MFS-20823-1
	NASA-CASE-NPO-11749		US-PATENT-APPL-SN-82649		US-PATENT-APPL-SN-175981
	US-PATENT-APPL-SN-175267		US-PATENT-CLASS-250-229		US-PATENT-CLASS-350-3 5
	US-PATENT-CLASS-324-52		US-PATENT-CLASS-250-237R		US-PATENT-CLASS-356-108
	US-PATENT-CLASS-73-15R		US-PATENT-CLASS-250-239		US-PATENT-CLASS-356-109
	US-PATENT-3,737,762		US-PATENT-3,745,352		US-PATENT-3,744,912
N73-28487* #	c 14		NASA-CASE-MFS-21214-1		NASA-CASE-ERC-10399-1
	NASA-CASE-XLA-08916-2		US-PATENT-APPL-SN-235269		US-PATENT-APPL-SN-43883
	US-PATENT-APPL-SN-777765		US-PATENT-CLASS-313-161		US-PATENT-CLASS-156-285
	US-PATENT-APPL-SN-97472		US-PATENT-CLASS-315-248		US-PATENT-3,745,082
	US-PATENT-CLASS-73-170R		US-PATENT-CLASS-315-324	N73-30640* #	c 21
	US-PATENT-CLASS-73-432R		US-PATENT-CLASS-315-324		NASA-CASE-GSC-10890-1
	US-PATENT-3,744,320		US-PATENT-3,745,410		US-PATENT-APPL-SN-111998
N73-28488* #	c 14		NASA-CASE-NPO-11738-1		US-PATENT-CLASS-244-1SA
	NASA-CASE-LEW-11159-1		US-PATENT-APPL-SN-235295		US-PATENT-CLASS-250-203R
	US-PATENT-APPL-SN-104346		US-PATENT-CLASS-335-296		US-PATENT-CLASS-250-209
	US-PATENT-CLASS-250-336		US-PATENT-CLASS-335-297		US-PATENT-CLASS-250-236
	US-PATENT-CLASS-307-308		US-PATENT-3,750,067		US-PATENT-3,752,993
	US-PATENT-3,745,357		NASA-CASE-NPO-11307-1		NASA-CASE-LAR-10717-1
N73-28489* #	c 14		US-PATENT-APPL-SN-169671		US-PATENT-APPL-SN-242028
	NASA-CASE-GSC-11074-1		US-PATENT-CLASS-340-277		US-PATENT-CLASS-343-112CA
	US-PATENT-APPL-SN-198362		US-PATENT-CLASS-340-279		US-PATENT-CLASS-343-6 5R
	US-PATENT-CLASS-34-155		US-PATENT-3,750,131		US-PATENT-3,750,168
	US-PATENT-CLASS-34-160		NASA-CASE-MFS-20658-1		NASA-CASE-LEW-11326-1
	US-PATENT-CLASS-34-162		US-PATENT-APPL-SN-205675		US-PATENT-APPL-SN-192970
	US-PATENT-3,744,148		US-PATENT-CLASS-324-79D		US-PATENT-CLASS-431-173
N73-28490* #	c 14		US-PATENT-CLASS-328-129		US-PATENT-CLASS-431-9
	NASA-CASE-GSC-11444-1		US-PATENT-CLASS-328-134		US-PATENT-CLASS-60-39 65
	US-PATENT-APPL-SN-229128		US-PATENT-CLASS-328-48		US-PATENT-CLASS-60-39 66
	US-PATENT-CLASS-250-203R		US-PATENT-3,745,475		US-PATENT-CLASS-60-39 72
	US-PATENT-CLASS-250-209		NASA-CASE-NPO-11291-1		US-PATENT-CLASS-60-39 74R
	US-PATENT-CLASS-250-214R		US-PATENT-APPL-SN-116790		US-PATENT-3,748,853
	US-PATENT-CLASS-356-141				NASA-CASE-GSC-11296-1
	US-PATENT-3,744,913	N73-30386* #			US-PATENT-APPL-SN-228190
	NASA-CASE-XNP-05231				US-PATENT-CLASS-350-162SF
	US-PATENT-APPL-SN-524746				
	US-PATENT-CLASS-250-51.5				
	US-PATENT-3,440,419				
N73-28515* #	c 15				
	NASA-CASE-LEW-10533-1				
	US-PATENT-APPL-SN-134658				
	US-PATENT-CLASS-219-107				

N74-14845* #	c 54	NASA-CASE-LAR-10241-1 US-PATENT-APPL-SN-193672 US-PATENT-CLASS-9-11A US-PATENT-3,781,933	N74-15130* #	c 38	NASA-CASE-MSC-13932-1 US-PATENT-APPL-SN-229354 US-PATENT-CLASS-235-153AK US-PATENT-3,783,250	N74-17929* #	c 33	NASA-CASE-ARC-10197-1 US-PATENT-APPL-SN-310624 US-PATENT-CLASS-317-16 US-PATENT-CLASS-317-31 US-PATENT-3,795,840
N74-14920* #	c 62	NASA-CASE-MSC-13932-1 US-PATENT-APPL-SN-229354 US-PATENT-CLASS-235-153AK US-PATENT-3,783,250	N74-15145* #	c 36	NASA-CASE-MFS-20767-1 US-PATENT-APPL-SN-196898 US-PATENT-CLASS-73-67 8S US-PATENT-3,777,552	N74-17930* #	c 33	NASA-CASE-NUC-10107-1 US-PATENT-APPL-SN-201700 US-PATENT-CLASS-324-102 US-PATENT-CLASS-324-118 US-PATENT-CLASS-329-50 US-PATENT-3,795,862
N74-14935* #	c 33	NASA-CASE-MFS-21462-1 US-PATENT-APPL-SN-239576 US-PATENT-CLASS-219-477 US-PATENT-CLASS-219-539 US-PATENT-CLASS-338-320 US-PATENT-3,732,397	N74-15146* #	c 35	NASA-CASE-NPO-11856-1 US-PATENT-APPL-SN-235268 US-PATENT-CLASS-250-217SS US-PATENT-CLASS-331-94 5K US-PATENT-CLASS-331-94 5S US-PATENT-CLASS-350-6 US-PATENT-CLASS-356-152 US-PATENT-CLASS-356-4 US-PATENT-CLASS-356-5 US-PATENT-3,781,111	N74-17955* #	c 09	NASA-CASE-LAR-10812-1 US-PATENT-APPL-SN-263815 US-PATENT-CLASS-73-147 US-PATENT-3,791,207
N74-14939* #	c 33	NASA-CASE-FRC-10072-1 US-PATENT-APPL-SN-162100 US-PATENT-CLASS-330-10 US-PATENT-CLASS-330-35 US-PATENT-CLASS-330-9 US-PATENT-3,783,399	N74-15395* #	c 38	NASA-CASE-MFS-21455-1 US-PATENT-APPL-SN-281877 US-PATENT-CLASS-350-3 5 US-PATENT-CLASS-356-106 US-PATENT-CLASS-73-71 3 US-PATENT-3,782,825	N74-18088* #	c 35	NASA-CASE-LAR-11027-1 US-PATENT-APPL-SN-275118 US-PATENT-CLASS-250-338 US-PATENT-CLASS-250-370 US-PATENT-CLASS-250-371 US-PATENT-3,790,795
N74-14956* #	c 33	NASA-CASE-MS-17832-1 US-PATENT-APPL-SN-293727 US-PATENT-CLASS-307-127 US-PATENT-CLASS-317-33SC US-PATENT-CLASS-317-43 US-PATENT-CLASS-317-46 US-PATENT-CLASS-317-47 US-PATENT-CLASS-317-48 US-PATENT-3,783,354	N74-15453* #	c 07	NASA-CASE-MFS-21233-1 US-PATENT-APPL-SN-246056 US-PATENT-CLASS-324-40 US-PATENT-CLASS-73-67 5R US-PATENT-CLASS-73-71 5U US-PATENT-3,782,177	N74-18089* #	c 31	NASA-CASE-LAR-10318-1 US-PATENT-APPL-SN-224489 US-PATENT-CLASS-156-245 US-PATENT-CLASS-156-247 US-PATENT-CLASS-156-285 US-PATENT-CLASS-156-309 US-PATENT-3,793,109
N74-15089* #	c 19	NASA-CASE-LAR-10586-1 US-PATENT-APPL-SN-289049 US-PATENT-CLASS-102-70 2R US-PATENT-CLASS-244-15A US-PATENT-CLASS-244-3 16 US-PATENT-CLASS-250-203R US-PATENT-CLASS-250-237R US-PATENT-3,780,966	N74-15652* #	c 34	NASA-CASE-MFS-21233-1 US-PATENT-APPL-SN-246056 US-PATENT-CLASS-324-40 US-PATENT-CLASS-73-67 5R US-PATENT-CLASS-73-71 5U US-PATENT-3,782,177	N74-18090* #	c 35	NASA-CASE-NPO-13160-1 US-PATENT-APPL-SN-359157 US-PATENT-CLASS-321-8R US-PATENT-CLASS-324-57R US-PATENT-3,795,858
N74-15090* #	c 35	NASA-CASE-NPO-11432-2 US-PATENT-APPL-SN-258152 US-PATENT-APPL-SN-88435 US-PATENT-CLASS-250-211J US-PATENT-CLASS-250-214 US-PATENT-CLASS-317-235N US-PATENT-3,781,549	N74-15778* #	c 51	NASA-CASE-LAR-10105-1 US-PATENT-APPL-SN-170680 US-PATENT-CLASS-73-86 US-PATENT-3,782,181	N74-18123* #	c 37	NASA-CASE-LAR-10634-1 US-PATENT-APPL-SN-214084 US-PATENT-CLASS-23-253PC US-PATENT-CLASS-23-259 US-PATENT-CLASS-259-72 US-PATENT-CLASS-312-209 US-PATENT-CLASS-356-197 US-PATENT-CLASS-356-85 US-PATENT-3,790,347
N74-15091* #	c 35	NASA-CASE-LAR-11155-1 US-PATENT-APPL-SN-313381 US-PATENT-CLASS-250-360 US-PATENT-CLASS-250-361 US-PATENT-CLASS-250-369 US-PATENT-CLASS-250-492 US-PATENT-3,781,562	N74-15831* #	c 35	NASA-CASE-ARC-10302-1 US-PATENT-APPL-SN-203271 US-PATENT-CLASS-119-51 13 US-PATENT-CLASS-119-51 5 US-PATENT-CLASS-119-51R US-PATENT-CLASS-119-52AF US-PATENT-CLASS-119-54 US-PATENT-CLASS-221-265 US-PATENT-3,782,334	N74-18124* #	c 31	NASA-CASE-LAR-10489-1 US-PATENT-APPL-SN-198763 US-PATENT-CLASS-264-102 US-PATENT-3,790,650
N74-15092* #	c 35	NASA-CASE-LAR-10862-1 US-PATENT-APPL-SN-271951 US-PATENT-CLASS-73-4V US-PATENT-3,780,563	N74-15831* #	c 35	NASA-CASE-GSC-11553-1 US-PATENT-APPL-SN-177985 US-PATENT-CLASS-178-6 7R US-PATENT-CLASS-219-216 US-PATENT-CLASS-219-388 US-PATENT-CLASS-34-162 US-PATENT-CLASS-346-108 US-PATENT-CLASS-346-138 US-PATENT-CLASS-346-2 US-PATENT-CLASS-95-89R US-PATENT-3,781,902	N74-18125* #	c 37	NASA-CASE-MFS-21309-1 US-PATENT-APPL-SN-244519 US-PATENT-CLASS-180-79 3 US-PATENT-CLASS-301-5P US-PATENT-3,789,947
N74-15093* #	c 35	NASA-CASE-ARC-10442-1 US-PATENT-APPL-SN-280032 US-PATENT-CLASS-165-109 US-PATENT-CLASS-165-2 US-PATENT-CLASS-259-DIG 18 US-PATENT-CLASS-259-60 US-PATENT-CLASS-62-45 US-PATENT-3,782,698	N74-15778* #	c 51	NASA-CASE-ARC-10302-1 US-PATENT-APPL-SN-203271 US-PATENT-CLASS-119-51 13 US-PATENT-CLASS-119-51 5 US-PATENT-CLASS-119-51R US-PATENT-CLASS-119-52AF US-PATENT-CLASS-119-54 US-PATENT-CLASS-221-265 US-PATENT-3,782,334	N74-18126* #	c 37	NASA-CASE-MFS-21364-1 US-PATENT-APPL-SN-214006 US-PATENT-CLASS-156-331 US-PATENT-CLASS-161-182 US-PATENT-CLASS-161-192 US-PATENT-CLASS-161-42 US-PATENT-CLASS-161-43 US-PATENT-CLASS-161-93 US-PATENT-CLASS-260-2R US-PATENT-CLASS-264-135 US-PATENT-CLASS-264-136 US-PATENT-CLASS-264-257 US-PATENT-3,790,432
N74-15094* #	c 35	NASA-CASE-NPO-13044-1 US-PATENT-APPL-SN-305012 US-PATENT-CLASS-73-497 US-PATENT-CLASS-73-517B US-PATENT-CLASS-74-5 6 US-PATENT-3,782,205	N74-16135* #	c 35	NASA-CASE-LAR-10595-1 US-PATENT-APPL-SN-273240 US-PATENT-CLASS-340-12R US-PATENT-CLASS-340-15R US-PATENT-CLASS-340-8R US-PATENT-3,783,443	N74-18127* #	c 37	NASA-CASE-MFS-21481-1 US-PATENT-APPL-SN-266771 US-PATENT-CLASS-128-25R US-PATENT-CLASS-272-73 US-PATENT-CLASS-272-80 US-PATENT-CLASS-74-594 6 US-PATENT-CLASS-74-594 7 US-PATENT-3,788,163
N74-15095* #	c 74	NASA-CASE-ARC-10442-1 US-PATENT-APPL-SN-280032 US-PATENT-CLASS-165-109 US-PATENT-CLASS-165-2 US-PATENT-CLASS-259-DIG 18 US-PATENT-CLASS-259-60 US-PATENT-CLASS-62-45 US-PATENT-3,782,698	N74-17153* #	c 35	NASA-CASE-MFS-21087-1 US-PATENT-APPL-SN-149283 US-PATENT-CLASS-350-3 5 US-PATENT-3,752,556	N74-18128* #	c 37	NASA-CASE-MFS-21481-1 US-PATENT-APPL-SN-266771 US-PATENT-CLASS-128-25R US-PATENT-CLASS-272-73 US-PATENT-CLASS-272-80 US-PATENT-CLASS-74-594 6 US-PATENT-CLASS-74-594 7 US-PATENT-3,788,163
N74-15094* #	c 35	NASA-CASE-NPO-13044-1 US-PATENT-APPL-SN-305012 US-PATENT-CLASS-73-497 US-PATENT-CLASS-73-517B US-PATENT-CLASS-74-5 6 US-PATENT-3,782,205	N74-17283* #	c 27	NASA-CASE-MFS-20486-2 US-PATENT-APPL-SN-292382 US-PATENT-APPL-SN-84212 US-PATENT-CLASS-260-29 6S US-PATENT-3,784,499	N74-18128* #	c 37	NASA-CASE-LEW-11387-1 US-PATENT-APPL-SN-247090 US-PATENT-CLASS-29-482 US-PATENT-CLASS-29-488 US-PATENT-CLASS-29-497 US-PATENT-CLASS-29-498 US-PATENT-3,787,959
N74-15094* #	c 35	NASA-CASE-NPO-13044-1 US-PATENT-APPL-SN-305012 US-PATENT-CLASS-73-497 US-PATENT-CLASS-73-517B US-PATENT-CLASS-74-5 6 US-PATENT-3,782,205	N74-17853* #	c 54	NASA-CASE-MFS-21163-1 US-PATENT-APPL-SN-266925 US-PATENT-CLASS-222-324 US-PATENT-CLASS-224-444 US-PATENT-3,790,037	N74-18323* #	c 35	NASA-CASE-MFS-21136-1 US-PATENT-APPL-SN-262430 US-PATENT-CLASS-308-10 US-PATENT-CLASS-74-5 7 US-PATENT-3,763,708
N74-15125* #	c 37	NASA-CASE-XLE-10326-4 US-PATENT-APPL-SN-220251 US-PATENT-APPL-SN-54540 US-PATENT-APPL-SN-723465 US-PATENT-CLASS-277-27 US-PATENT-CLASS-277-91 US-PATENT-3,782,737	N74-17885* #	c 35	NASA-CASE-NPO-13138-1 US-PATENT-APPL-SN-335201 US-PATENT-CLASS-328-155 US-PATENT-CLASS-333-16 US-PATENT-CLASS-333-18 US-PATENT-3,790,906	N74-18551* #	c 25	NASA-CASE-LAR-11053-1 US-PATENT-APPL-SN-281875 US-PATENT-CLASS-73-15R US-PATENT-3,789,654
N74-15126* #	c 35	NASA-CASE-ARC-10441-1 US-PATENT-APPL-SN-280029 US-PATENT-CLASS-259-98 US-PATENT-CLASS-417-470 US-PATENT-CLASS-417-471 US-PATENT-3,782,699	N74-17927* #	c 33	NASA-CASE-NPO-11966-1 NASA-CASE-NPO-13159-1 US-PATENT-APPL-SN-284245 US-PATENT-CLASS-100-8 US-PATENT-CLASS-336-210 US-PATENT-3,792,399	N74-18552* #	c 34	NASA-CASE-NPO-11120-1 US-PATENT-APPL-SN-39343 US-PATENT-CLASS-165-105 US-PATENT-CLASS-267-166 US-PATENT-CLASS-29-157 3R US-PATENT-3,789,920
N74-15127* #	c 35	NASA-CASE-NPO-11682-1 US-PATENT-APPL-SN-187365 US-PATENT-CLASS-23-284 US-PATENT-3,782,904	N74-17928* #	c 33	NASA-CASE-NPO-11966-1 NASA-CASE-NPO-13159-1 US-PATENT-APPL-SN-284245 US-PATENT-CLASS-100-8 US-PATENT-CLASS-336-210 US-PATENT-3,792,399	N74-19310* #	c 72	NASA-CASE-HQN-10740-1 US-PATENT-APPL-SN-266943
N74-15128* #	c 37	NASA-CASE-LEW-11087-2 US-PATENT-APPL-SN-201904						

	US-PATENT-CLASS-356-106R	N74-20811* #	c 32	NASA-CASE-NPO-13103-1	US-PATENT-CLASS-235-92PE
	US-PATENT-CLASS-356-112			US-PATENT-APPL-SN-338484	US-PATENT-CLASS-235-92SB
	US-PATENT-CLASS-356-28			US-PATENT-CLASS-325-320	US-PATENT-3,800,253
N74-19528* #	US-PATENT-3,795,448			US-PATENT-CLASS-325-419	NASA-CASE-LAR-10941-1
	NASA-CASE-LAR-10426-1			US-PATENT-CLASS-329-122	US-PATENT-APPL-SN-289048
	US-PATENT-APPL-SN-239575	N74-20813* #	c 32	US-PATENT-3,806,815	US-PATENT-CLASS-29-470 1
	US-PATENT-CLASS-73-15 6			NASA-CASE-FRC-10071-1	US-PATENT-3,797,098
	US-PATENT-CLASS-73-91			US-PATENT-APPL-SN-307727	NASA-CASE-MFS-22411-1
N74-19692* #	US-PATENT-3,795,134			US-PATENT-CLASS-178-7 7	US-PATENT-APPL-SN-382262
	NASA-CASE-GSC-11367-1			US-PATENT-CLASS-315-18	US-PATENT-CLASS-260-448 2N
	US-PATENT-APPL-SN-236985			US-PATENT-CLASS-315-22	US-PATENT-3,801,617
	US-PATENT-CLASS-136-36	N74-20836* #	c 60	US-PATENT-3,803,445	NASA-CASE-LAR-10409-1
	US-PATENT-3,759,747			NASA-CASE-ERC-10180-1	US-PATENT-APPL-SN-340864
N74-19693* #	NASA-CASE-NPO-11806-1			US-PATENT-APPL-SN-838278	US-PATENT-CLASS-29-423
	US-PATENT-APPL-SN-228163			US-PATENT-CLASS-235-164	US-PATENT-3,798,741
	US-PATENT-CLASS-136-20	N74-20859* #	c 33	US-PATENT-3,803,393	NASA-CASE-NPO-13105-1
	US-PATENT-CLASS-136-30			NASA-CASE-XLE-2529-3	US-PATENT-APPL-SN-283502
	US-PATENT-3,790,409			US-PATENT-APPL-SN-288856	US-PATENT-CLASS-60-25
N74-19769* #	NASA-CASE-ERC-10073-1			US-PATENT-APPL-SN-487929	US-PATENT-3,798,896
	US-PATENT-APPL-SN-856253			US-PATENT-APPL-SN-848403	NASA-CASE-LEW-11076-1
	US-PATENT-CLASS-117-95			US-PATENT-CLASS-315-211	US-PATENT-APPL-SN-238264
	US-PATENT-3,796,592			US-PATENT-CLASS-315-228	US-PATENT-CLASS-308-73
N74-19788* #	NASA-CASE-NPO-11820-1			US-PATENT-CLASS-331-94 5D	US-PATENT-3,804,472
	US-PATENT-APPL-SN-266912			US-PATENT-CLASS-332-7.51	NASA-CASE-LAR-10295-1
	US-PATENT-CLASS-307-237			US-PATENT-3,806,835	US-PATENT-APPL-SN-221685
	US-PATENT-CLASS-328-160	N74-20860* #	c 33	NASA-CASE-GSC-11446-1	US-PATENT-CLASS-73-12
	US-PATENT-CLASS-328-168			US-PATENT-APPL-SN-263230	US-PATENT-CLASS-73-432
	US-PATENT-CLASS-328-172			US-PATENT-CLASS-343-DIG 2	US-PATENT-3,805,622
	US-PATENT-CLASS-333-14			US-PATENT-CLASS-343-100SA	NASA-CASE-LEW-10698-1
	US-PATENT-3,800,237			US-PATENT-CLASS-343-100ST	US-PATENT-APPL-SN-30498
N74-19790* #	NASA-CASE-MFS-21540-1			US-PATENT-CLASS-343-854	US-PATENT-CLASS-106-52
	US-PATENT-APPL-SN-333912			US-PATENT-3,806,932	US-PATENT-CLASS-117-129
	US-PATENT-CLASS-178-7 1	N74-20861* #	c 33	NASA-CASE-GSC-11560-1	US-PATENT-CLASS-161-196
	US-PATENT-CLASS-325-148			US-PATENT-APPL-SN-361906	US-PATENT-CLASS-65-DIG 11
	US-PATENT-3,800,224			US-PATENT-CLASS-350-269	US-PATENT-3,804,703
N74-19870* #	NASA-CASE-MFS-21470-1			US-PATENT-CLASS-354-234	NASA-CASE-LEW-11087-3
	US-PATENT-APPL-SN-340871			US-PATENT-CLASS-95-53EA	US-PATENT-APPL-SN-201904
	US-PATENT-CLASS-325-62			US-PATENT-3,804,506	US-PATENT-APPL-SN-346361
	US-PATENT-CLASS-333-17	N74-20862* #	c 33	NASA-CASE-GSC-11513-1	US-PATENT-CLASS-308-188
	US-PATENT-CLASS-343-17 7			US-PATENT-APPL-SN-315069	US-PATENT-CLASS-308-191
	US-PATENT-CLASS-343-7 5			US-PATENT-CLASS-331-108A	US-PATENT-3,802,753
	US-PATENT-3,795,910			US-PATENT-CLASS-331-115	NASA-CASE-NPO-11951-1
N74-20008* #	NASA-CASE-GSC-11188-3			US-PATENT-CLASS-331-116R	US-PATENT-APPL-SN-287150
	US-PATENT-APPL-SN-244566			US-PATENT-CLASS-331-159	US-PATENT-CLASS-137-628
	US-PATENT-APPL-SN-80029			US-PATENT-3,806,831	US-PATENT-CLASS-251-120
	US-PATENT-CLASS-117-45	N74-20863* #	c 32	NASA-CASE-GSC-11909	US-PATENT-CLASS-251-122
	US-PATENT-3,799,793			US-PATENT-APPL-SN-244158	US-PATENT-CLASS-251-210
N74-20009* #	NASA-CASE-NPO-11861-1			US-PATENT-CLASS-343-730	US-PATENT-3,802,660
	US-PATENT-APPL-SN-266911			US-PATENT-CLASS-343-786	NASA-CASE-GSC-11262-1
	US-PATENT-CLASS-178-DIG 1			US-PATENT-CLASS-343-797	US-PATENT-APPL-SN-162380
	US-PATENT-CLASS-178-6			US-PATENT-CLASS-343-853	US-PATENT-CLASS-250-204
	US-PATENT-CLASS-178-7 6			US-PATENT-3,803,617	US-PATENT-CLASS-33-285
	US-PATENT-3,800,074	N74-20864* #	c 32	NASA-CASE-GSC-11428-1	US-PATENT-CLASS-356-141
N74-20063* #	NASA-CASE-LAR-10129-2			US-PATENT-APPL-SN-292685	US-PATENT-CLASS-356-152
	US-PATENT-APPL-SN-319410			US-PATENT-CLASS-343-708	US-PATENT-CLASS-356-172
	US-PATENT-APPL-SN-99201			US-PATENT-CLASS-343-769	US-PATENT-3,804,525
	US-PATENT-CLASS-312-1			US-PATENT-CLASS-343-853	NASA-CASE-ARC-10592-1
	US-PATENT-3,796,473			US-PATENT-3,805,266	US-PATENT-APPL-SN-321179
N74-20329* #	NASA-CASE-GSC-11425-1	N74-21014* #	c 71	NASA-CASE-HQN-10832-1	US-PATENT-CLASS-260 46 5E
	US-PATENT-APPL-SN-206266			US-PATENT-APPL-SN-301417	US-PATENT-3,803,090
	US-PATENT-CLASS-148-1 5			US-PATENT-CLASS-178-DIG 32	NASA-CASE-ARC-10516-1
	US-PATENT-3,799,813			US-PATENT-CLASS-178-5 8R	US-PATENT-APPL-SN-267768
N74-20646* #	NASA-CASE-LEW-11188-1			US-PATENT-CLASS-178-7 2	US-PATENT-CLASS-350-270
	US-PATENT-APPL-SN-152328			US-PATENT-CLASS-340-407	US-PATENT-CLASS-354-234
	US-PATENT-CLASS-137-15 1			US-PATENT-CLASS-35-35A	US-PATENT-3,797,919
	US-PATENT-CLASS-137-15 2			US-PATENT-3,800,082	NASA-CASE-GSC-11353-1
	US-PATENT-CLASS-244-53B			NASA-CASE-LAR-10626-1	US-PATENT-APPL-SN-260241
	US-PATENT-3,799,475	N74-21015* #	c 19	US-PATENT-APPL-SN-202750	US-PATENT-CLASS-250-231SE
N74-20725* #	NASA-CASE-MFS-22102-1			US-PATENT-CLASS-33-1SA	US-PATENT-CLASS-350-299
	US-PATENT-APPL-SN-341621			US-PATENT-CLASS-33-46R	US-PATENT-CLASS-356-152
	US-PATENT-CLASS-4-10			US-PATENT-3,798,778	US-PATENT-3,802,779
	US-PATENT-3,805,303	N74-21017* #	c 35	NASA-CASE-MFS-21660-1	NASA-CASE-GSC-11602-1
N74-20726* #	NASA-CASE-ARC-10597-1			US-PATENT-APPL-SN-310616	US-PATENT-APPL-SN-298157
	US-PATENT-APPL-SN-281876			US-PATENT-CLASS-324-83Q	US-PATENT-CLASS-315-10
	US-PATENT-CLASS-128-2V			US-PATENT-3,806,802	US-PATENT-CLASS-315-11
	US-PATENT-CLASS-73-67 9	N74-21018* #	c 35	NASA-CASE-LEW-10981-1	US-PATENT-CLASS-315-12
	US-PATENT-3,802,253			US-PATENT-APPL-SN-214089	US-PATENT-3,806,756
N74-20728* #	NASA-CASE-MFS-21415-1			US-PATENT-CLASS-310-11	NASA-CASE-ARC-10596-1
	US-PATENT-APPL-SN-318152			US-PATENT-CLASS-324-34FL	US-PATENT-APPL-SN-267862
	US-PATENT-CLASS-128-2 07			US-PATENT-CLASS-73-194EM	US-PATENT-CLASS-330-28
	US-PATENT-CLASS-128-2 08	N74-21019* #	c 35	US-PATENT-3,802,262	US-PATENT-CLASS-330-59
	US-PATENT-CLASS-73-23			NASA-CASE-GSC-11600-1	US-PATENT-3,811,094
	US-PATENT-CLASS-73-421 5R			US-PATENT-APPL-SN-318357	NASA-CASE-NPO-10617-1
	US-PATENT-3,799,149			US-PATENT-CLASS-73-1F	US-PATENT-APPL-SN-828920
N74-20809* #	NASA-CASE-MSC-12462-1	N74-21055* #	c 37	US-PATENT-3,802,249	US-PATENT-CLASS-73-190H
	US-PATENT-APPL-SN-274360			NASA-CASE-LEW-11388-2	US-PATENT-3,648,516
	US-PATENT-CLASS-178-88			US-PATENT-APPL-SN-289033	NASA-CASE-XLE-04791
	US-PATENT-CLASS-325-320			US-PATENT-APPL-SN-293726	US-PATENT-APPL-SN-582213
	US-PATENT-CLASS-325-423			US-PATENT-CLASS-330-103	US-PATENT-CLASS-330-103
	US-PATENT-3,800,227			US-PATENT-CLASS-29-487	US-PATENT-3,404,348
N74-20810* #	NASA-CASE-MSC-12494-1			US-PATENT-CLASS-29-494	NASA-CASE-MFS-20922-1
	US-PATENT-APPL-SN-304705			US-PATENT-CLASS-29-498	US-PATENT-APPL-SN-220274
	US-PATENT-CLASS-325-321	N74-21056* #	c 37	US-PATENT-CLASS-29-504	US-PATENT-CLASS-244-ISS
	US-PATENT-CLASS-325-419			US-PATENT-3,798,748	US-PATENT-CLASS-49-68
	US-PATENT-3,806,816			NASA-CASE-LAR-10688-1	US-PATENT-CLASS-61-83
				US-PATENT-APPL-SN-285705	US-PATENT-3,807,656
				US-PATENT-CLASS-235-151	

N74-22771* #	c 52	NASA-CASE-ARC-10447-1 US-PATENT-APPL-SN-311175 US-PATENT-CLASS-128-214E US-PATENT-CLASS-235-151.3 US-PATENT-3,809,871	N74-26654* #	c 32	NASA-CASE-ARC-10633-1 US-PATENT-APPL-SN-354611 US-PATENT-CLASS-128-205S US-PATENT-3,814,083	N74-27490* #	c 07	NASA-CASE-LEW-11286-1 US-PATENT-APPL-SN-339806 US-PATENT-CLASS-181-33HB US-PATENT-CLASS-239-265.17 US-PATENT-3,820,630
N74-22814* #	c 33	NASA-CASE-NPO-13081-1 US-PATENT-APPL-SN-345372 US-PATENT-CLASS-307-215 US-PATENT-CLASS-307-243 US-PATENT-CLASS-307-290 US-PATENT-CLASS-328-154 US-PATENT-3,808,464	N74-26732* #	c 33	NASA-CASE-MSC-14065-1 US-PATENT-APPL-SN-297128 US-PATENT-CLASS-178-67 US-PATENT-CLASS-325-30 US-PATENT-3,816,657	N74-27519* #	c 44	NASA-CASE-MFS-20761-1 US-PATENT-APPL-SN-326327 US-PATENT-CLASS-136-182 US-PATENT-CLASS-324-29.5 US-PATENT-CLASS-324-72.5 US-PATENT-3,818,325
N74-22864* #	c 33	NASA-CASE-XER-11046-2 US-PATENT-APPL-SN-810579 US-PATENT-APPL-SN-87597 US-PATENT-CLASS-321-45R US-PATENT-3,808,511	N74-26767* #	c 73	NASA-CASE-NPO-13112-1 US-PATENT-APPL-SN-267572 US-PATENT-CLASS-250-499 US-PATENT-CLASS-313-61S US-PATENT-3,816,785	N74-27566* #	c 52	NASA-CASE-GSC-11531-1 US-PATENT-APPL-SN-291845 US-PATENT-CLASS-128-2.05E US-PATENT-CLASS-73-398AR US-PATENT-3,811,429
N74-22865* #	c 33	NASA-CASE-LAR-10168-1 US-PATENT-APPL-SN-354407 US-PATENT-CLASS-174-DIG.8 US-PATENT-CLASS-174-69 US-PATENT-CLASS-174-70R US-PATENT-CLASS-244-151R US-PATENT-3,809,800	N74-26945* #	c 35	NASA-CASE-MFS-21556-1 US-PATENT-APPL-SN-340791 US-PATENT-CLASS-177-200 US-PATENT-CLASS-177-211 US-PATENT-CLASS-177-246 US-PATENT-CLASS-73-141A US-PATENT-3,812,924	N74-27612* #	c 32	NASA-CASE-ARC-10593-1 US-PATENT-APPL-SN-310193 US-PATENT-CLASS-250-207 US-PATENT-CLASS-307-252L US-PATENT-CLASS-307-252Q US-PATENT-3,821,546
N74-22885* #	c 33	NASA-CASE-MFS-21671-1 US-PATENT-APPL-SN-329958 US-PATENT-CLASS-323-106 US-PATENT-CLASS-323-122 US-PATENT-CLASS-323-128 US-PATENT-3,808,517	N74-26946* #	c 35	NASA-CASE-MFS-22040-1 US-PATENT-APPL-SN-365644 US-PATENT-CLASS-350-3.5 US-PATENT-CLASS-96-38.3 US-PATENT-CLASS-96-79 US-PATENT-3,815,969	N74-27682* #	c 33	NASA-CASE-ARC-10593-1 US-PATENT-APPL-SN-310193 US-PATENT-CLASS-250-207 US-PATENT-CLASS-307-252L US-PATENT-CLASS-307-252Q US-PATENT-3,821,546
N74-23039* #	c 34	NASA-CASE-GSC-11620-1 US-PATENT-APPL-SN-280305 US-PATENT-CLASS-126-270 US-PATENT-CLASS-244-127 US-PATENT-CLASS-244-31 US-PATENT-3,807,384	N74-26947* #	c 25	NASA-CASE-MFS-21556-1 US-PATENT-APPL-SN-340791 US-PATENT-CLASS-177-200 US-PATENT-CLASS-177-211 US-PATENT-CLASS-177-246 US-PATENT-CLASS-73-141A US-PATENT-3,812,924	N74-27683* #	c 33	NASA-CASE-LEW-10950-1 US-PATENT-APPL-SN-273222 US-PATENT-CLASS-174-111 US-PATENT-CLASS-174-15C US-PATENT-CLASS-174-28 US-PATENT-CLASS-310-4R US-PATENT-3,821,462
N74-23040* #	c 35	NASA-CASE-NPO-11932-1 NASA-CASE-NPO-13127-1 US-PATENT-APPL-SN-311234 US-PATENT-CLASS-356-1065 US-PATENT-CLASS-356-113 US-PATENT-3,809,481	N74-26948* #	c 25	NASA-CASE-ARC-10633-1 US-PATENT-APPL-SN-354611 US-PATENT-CLASS-250-304 US-PATENT-CLASS-250-343 US-PATENT-CLASS-250-373 US-PATENT-3,814,939	N74-27705* #	c 33	NASA-CASE-MSC-14066-1 US-PATENT-APPL-SN-297127 US-PATENT-CLASS-178-88 US-PATENT-CLASS-325-320 US-PATENT-3,818,346
N74-23064* #	c 37	NASA-CASE-LAR-10900-1 US-PATENT-APPL-SN-290021 US-PATENT-CLASS-161-116 US-PATENT-3,809,601	N74-26949* #	c 35	NASA-CASE-MFS-21395-1 US-PATENT-APPL-SN-260093 US-PATENT-CLASS-204-180R US-PATENT-3,814,678	N74-27730* #	c 34	NASA-CASE-MFS-21424-1 US-PATENT-APPL-SN-315048 US-PATENT-CLASS-73-147 US-PATENT-CLASS-73-3 US-PATENT-3,817,082
N74-23065* #	c 31	NASA-CASE-NPO-11758-1 US-PATENT-APPL-SN-266913 US-PATENT-CLASS-204-222 US-PATENT-3,810,829	N74-26976* #	c 37	NASA-CASE-GSC-11492-1 US-PATENT-APPL-SN-372148 US-PATENT-CLASS-250-374 US-PATENT-CLASS-250-385 US-PATENT-CLASS-313-93 US-PATENT-3,812,358	N74-27744* #	c 34	NASA-CASE-MFS-21394-1 US-PATENT-APPL-SN-258171 US-PATENT-CLASS-204-180R US-PATENT-CLASS-204-299 US-PATENT-3,821,102
N74-23066* #	c 34	NASA-CASE-LAR-10089-1 US-PATENT-APPL-SN-305638 US-PATENT-CLASS-240-47 US-PATENT-CLASS-353-54 US-PATENT-CLASS-353-61 US-PATENT-3,811,044	N74-26977* #	c 33	NASA-CASE-MFS-22133-1 US-PATENT-APPL-SN-337487 US-PATENT-CLASS-29-203MW US-PATENT-3,815,205	N74-27859* #	c 34	NASA-CASE-GSC-11434-1 US-PATENT-APPL-SN-263498 US-PATENT-CLASS-73-190R US-PATENT-3,813,937
N74-23068* #	c 46	NASA-CASE-XNP-10007-1 US-PATENT-APPL-SN-611414 US-PATENT-APPL-SN-768942 US-PATENT-CLASS-299-67 US-PATENT-3,806,470	N74-27035* #	c 24	NASA-CASE-XLA-11028-1 US-PATENT-APPL-SN-219435 US-PATENT-CLASS-156-285 US-PATENT-3,814,653	N74-27860* #	c 35	NASA-CASE-MSC-14081-1 US-PATENT-APPL-SN-331760 US-PATENT-CLASS-250-576 US-PATENT-CLASS-356-180 US-PATENT-CLASS-356-246 US-PATENT-3,817,627
N74-23069* #	c 46	NASA-CASE-XNP-09755 US-PATENT-APPL-SN-611414 US-PATENT-APPL-SN-857241 US-PATENT-CLASS-125-1 US-PATENT-CLASS-125-3 US-PATENT-CLASS-299-86 US-PATENT-CLASS-51-283 US-PATENT-3,612,030	N74-27037* #	c 27	NASA-CASE-ARC-10304-2 US-PATENT-APPL-SN-140946 US-PATENT-APPL-SN-318358 US-PATENT-CLASS-102-105 US-PATENT-CLASS-106-15FP US-PATENT-CLASS-252-62 US-PATENT-CLASS-252-8.1 US-PATENT-CLASS-260-DIG.24 US-PATENT-CLASS-260-2.5FP US-PATENT-CLASS-260-2.5R US-PATENT-CLASS-260-2R US-PATENT-CLASS-260-396N US-PATENT-3,819,550	N74-27861* #	c 34	NASA-CASE-MFS-21108-1 US-PATENT-APPL-SN-307728 US-PATENT-CLASS-136-213 US-PATENT-CLASS-136-230 US-PATENT-CLASS-136-233 US-PATENT-3,819,419
N74-23070* #	c 37	NASA-CASE-MFS-20645-1 US-PATENT-APPL-SN-103091 US-PATENT-CLASS-74-217R US-PATENT-3,678,771	N74-27038* #	c 15	NASA-CASE-LAR-10670-2 US-PATENT-APPL-SN-248761 US-PATENT-APPL-SN-59892 US-PATENT-CLASS-102-90 US-PATENT-CLASS-60-214 US-PATENT-CLASS-60-215 US-PATENT-CLASS-60-39.46 US-PATENT-3,813,875	N74-27862* #	c 33	NASA-CASE-KSC-10731-1 US-PATENT-APPL-SN-288847 US-PATENT-CLASS-324-72 US-PATENT-CLASS-340-151 US-PATENT-CLASS-340-182 US-PATENT-CLASS-340-200 US-PATENT-CLASS-73-170R US-PATENT-3,820,095
N74-23125* #	c 27	NASA-CASE-LEW-10199-1 US-PATENT-APPL-SN-651972 US-PATENT-CLASS-117-126GR US-PATENT-CLASS-117-132B US-PATENT-CLASS-117-161UN US-PATENT-CLASS-260-78TF US-PATENT-3,647,529	N74-27360* #	c 15	NASA-CASE-LAR-10670-2 US-PATENT-APPL-SN-248761 US-PATENT-APPL-SN-59892 US-PATENT-CLASS-102-90 US-PATENT-CLASS-60-214 US-PATENT-CLASS-60-215 US-PATENT-CLASS-60-39.46 US-PATENT-3,813,875	N74-27864* #	c 52	NASA-CASE-MFS-21049-1 US-PATENT-APPL-SN-304430 US-PATENT-CLASS-128-2S US-PATENT-CLASS-338-114 US-PATENT-CLASS-338-5 US-PATENT-CLASS-73-88.5R US-PATENT-3,820,529
N74-25968* #	c 37	NASA-CASE-MFS-21485-1 US-PATENT-APPL-SN-277436 US-PATENT-CLASS-408-111 US-PATENT-CLASS-408-80 US-PATENT-CLASS-90-12.5 US-PATENT-3,813,183	N74-27397* #	c 18	NASA-CASE-MFS-21680-1 NASA-CASE-MFS-21681-1 US-PATENT-APPL-SN-343607 US-PATENT-CLASS-244-1SS US-PATENT-CLASS-248-16 US-PATENT-CLASS-248-23 US-PATENT-3,814,350	N74-27865* #	c 35	NASA-CASE-MFS-21728-1 US-PATENT-APPL-SN-361907 US-PATENT-CLASS-73-141A US-PATENT-3,820,388
N74-26625* #	c 52	NASA-CASE-NPO-13065-1 US-PATENT-APPL-SN-269073 US-PATENT-CLASS-128-2.1A US-PATENT-CLASS-325-113 US-PATENT-CLASS-325-141 US-PATENT-CLASS-340-183 US-PATENT-CLASS-340-203 US-PATENT-CLASS-340-207R US-PATENT-3,815,109	N74-27425* #	c 28	NASA-CASE-NPO-11743-1 US-PATENT-APPL-SN-277904 US-PATENT-CLASS-102-28EB US-PATENT-CLASS-102-70.2A US-PATENT-CLASS-102-70.2R US-PATENT-3,812,783	N74-27866* #	c 74	NASA-CASE-MFS-21372-1 US-PATENT-APPL-SN-226477 US-PATENT-CLASS-250-505 US-PATENT-CLASS-250-511 US-PATENT-3,821,556
N74-26626* #	c 52	NASA-CASE-ARC-10447-1 US-PATENT-APPL-SN-311175 US-PATENT-CLASS-128-214E US-PATENT-CLASS-235-151.3 US-PATENT-3,809,871				N74-27872* #	c 06	NASA-CASE-ARC-10806 US-PATENT-APPL-SN-478802
						N74-27900* #	c 31	NASA-CASE-LAR-10841-1 US-PATENT-APPL-SN-307729

	US-PATENT-CLASS-13-31		US-PATENT-CLASS-356-141	N74-32921* #	c 37	NASA-CASE-LEW-11076-2
	US-PATENT-CLASS-73-15F		US-PATENT-CLASS-356-147			US-PATENT-APPL-SN-238264
	US-PATENT-3,817,084		US-PATENT-3,827,807			US-PATENT-APPL-SN-346483
N74-27901* #	NASA-CASE-ARC-10462-1	N74-31148* #	NASA-CASE-NPO-11623-1			US-PATENT-CLASS-308-121
c 37	US-PATENT-APPL-SN-310615	c 71	US-PATENT-APPL-SN-235338			US-PATENT-3,830,552
	US-PATENT-CLASS-74-675		US-PATENT-CLASS-181 5R	N74-33209* #	c 28	NASA-CASE-NPO-11975-1
	US-PATENT-CLASS-74-710		US-PATENT-CLASS-73-69			US-PATENT-APPL-SN-329243
	US-PATENT-3,818,775		US-PATENT-CLASS-73-71 5R			US-PATENT-CLASS-149-17
N74-27902* #	NASA-CASE-GSC-11445-1		US-PATENT-3,827,288			US-PATENT-CLASS-149-60
c 31	US-PATENT-APPL-SN-248471	N74-31269* #	NASA-CASE-LEW-11646-1		c 20	US-PATENT-CLASS-149-76
	US-PATENT-CLASS-236-49		US-PATENT-APPL-SN-292686			US-PATENT-3,830,673
	US-PATENT-CLASS-98-39		US-PATENT-CLASS-204-192	N74-33218* #	c 07	NASA-CASE-ARC-10712-1
	US-PATENT-3,818,814		US-PATENT-3,826,729			US-PATENT-APPL-SN-344410
N74-27903* #	NASA-CASE-MS-12549-1	N74-31270* #	NASA-CASE-LAR-10642-1		c 07	US-PATENT-CLASS-181-33HC
c 37	US-PATENT-APPL-SN-301039		US-PATENT-APPL-SN-266820			US-PATENT-CLASS-239-265 11
	US-PATENT-CLASS-244-1SD		US-PATENT-CLASS-137-15 1			US-PATENT-3,830,431
	US-PATENT-3,820,741		US-PATENT-CLASS-415-181	N74-33378* #	c 25	NASA-CASE-MFS-21675-1
N74-27904* #	NASA-CASE-LEW-11672-1		US-PATENT-3,829,237			US-PATENT-APPL-SN-392823
c 37	US-PATENT-APPL-SN-305639	N74-32418* #	NASA-CASE-LAR-11141-1		c 07	US-PATENT-CLASS-23-277C
	US-PATENT-CLASS-417-52		US-PATENT-APPL-SN-359957			US-PATENT-CLASS-431-202
	US-PATENT-3,819,299		US-PATENT-CLASS-181-33C			US-PATENT-3,833,336
N74-27905* #	NASA-CASE-LAR-10450-1		US-PATENT-CLASS-181-33F	N74-33379* #	c 44	NASA-CASE-ARC-10461-1
c 37	US-PATENT-APPL-SN-289017		US-PATENT-CLASS-181-33H			US-PATENT-APPL-SN-336319
	US-PATENT-CLASS-51-225		US-PATENT-CLASS-60-527			US-PATENT-CLASS-60-527
	US-PATENT-CLASS-51-234		US-PATENT-CLASS-181-42			US-PATENT-3,830,060
	US-PATENT-CLASS-51-97R		US-PATENT-3,830,335	N74-34638* #	c 33	NASA-CASE-MFS-22343-1
	US-PATENT-3,820,266	N74-32546* #	NASA-CASE-MS-11072		c 33	US-PATENT-APPL-SN-329237
N74-28097* #	NASA-CASE-GSC-11479-1		US-PATENT-APPL-SN-689455			US-PATENT-CLASS-307-18
c 35	US-PATENT-APPL-SN-293739		US-PATENT-CLASS-156-219			US-PATENT-CLASS-307-295
	US-PATENT-CLASS-244-1SA		US-PATENT-CLASS-2-2 1A			US-PATENT-CLASS-307-304
	US-PATENT-CLASS-74-5 5		US-PATENT-CLASS-2-82			US-PATENT-CLASS-307-35
	US-PATENT-3,818,767		US-PATENT-3,832,735			US-PATENT-3,840,829
N74-28226* #	NASA-CASE-LEW-11402-1	N74-32598* #	NASA-CASE-MS-14070-1		c 32	NASA-CASE-LAR-10256-1
c 07	US-PATENT-APPL-SN-219806		US-PATENT-APPL-SN-266940			US-PATENT-APPL-SN-220785
	US-PATENT-CLASS-415-181		US-PATENT-CLASS-340-146 1AQ			US-PATENT-CLASS-104-138R
	US-PATENT-CLASS-416-223		US-PATENT-3,831,142			US-PATENT-CLASS-104-23FS
	US-PATENT-CLASS-416-237	N74-32660* #	NASA-CASE-GSC-11617-1		c 33	US-PATENT-CLASS-238-134
	US-PATENT-3,820,918		US-PATENT-APPL-SN-402865			US-PATENT-3,837,285
N74-29410* #	NASA-CASE-MFS-21577-1		US-PATENT-CLASS-330-4 9	N74-34857* #	c 35	NASA-CASE-LAR-11428-1
c 19	US-PATENT-APPL-SN-343308		US-PATENT-CLASS-330-53			US-PATENT-APPL-SN-188836
	US-PATENT-CLASS-250-372		US-PATENT-3,833,857			US-PATENT-APPL-SN-357126
	US-PATENT-CLASS-250-394		NASA-CASE-MS-14130-1			US-PATENT-CLASS-250-281
	US-PATENT-3,825,760	N74-32711* #	US-PATENT-APPL-SN-373587		c 33	US-PATENT-CLASS-250-295
N74-29556* #	NASA-CASE-KSC-10769-1		US-PATENT-CLASS-307-267			US-PATENT-3,835,318
c 33	US-PATENT-APPL-SN-374583		US-PATENT-CLASS-328-58	N75-12086* #	c 25	NASA-CASE-ARC-10469-1
	US-PATENT-CLASS-318-602		US-PATENT-3,831,098			US-PATENT-APPL-SN-281908
	US-PATENT-CLASS-318-603		NASA-CASE-NPO-11948-1			US-PATENT-CLASS-195-103 5R
	US-PATENT-CLASS-318-664	N74-32712* #	US-PATENT-APPL-SN-306652		c 33	US-PATENT-3,846,243
	US-PATENT-3,826,964		US-PATENT-CLASS-307-230			NASA-CASE-ARC-10643-1
N74-30001* #	NASA-CASE-LAR-10416-1		US-PATENT-CLASS-330-69	N75-12087* #	c 25	US-PATENT-APPL-SN-513389
c 24	US-PATENT-APPL-SN-251752		US-PATENT-CLASS-333-80R			US-PATENT-CLASS-117-161UA
	US-PATENT-CLASS-156-94		US-PATENT-3,831,117			US-PATENT-CLASS-117-161UN
	US-PATENT-3,814,645	N74-32877* #	NASA-CASE-LAR-10806-1		c 35	US-PATENT-CLASS-117-161U2
N74-30156* #	NASA-CASE-ARC-10598-1		US-PATENT-APPL-SN-322998			US-PATENT-CLASS-117-93 1GD
c 75	US-PATENT-APPL-SN-318151		US-PATENT-CLASS-33-1M			US-PATENT-CLASS-204-177
	US-PATENT-CLASS-356-201		US-PATENT-CLASS-33-23R			US-PATENT-CLASS-210-500
	US-PATENT-CLASS-356-43		US-PATENT-CLASS-338-89			US-PATENT-CLASS-264-217
	US-PATENT-CLASS-356-73		US-PATENT-CLASS-340-347AD			US-PATENT-CLASS-264-22
	US-PATENT-CLASS-356-85		US-PATENT-CLASS-346-33R			US-PATENT-3,847,652
	US-PATENT-CLASS-356-87		US-PATENT-3,832,781	N75-12161* #	c 31	NASA-CASE-MFS-20775-1
	US-PATENT-3,817,622	N74-32878* #	NASA-CASE-LAR-11139-1			US-PATENT-APPL-SN-356664
N74-30421* #	NASA-CASE-LAR-10753-1		US-PATENT-APPL-SN-287149			US-PATENT-CLASS-118-49 1
c 08	US-PATENT-APPL-SN-289018		US-PATENT-CLASS-73-182			US-PATENT-3,847,115
	US-PATENT-CLASS-244-327		US-PATENT-CLASS-73-388			NASA-CASE-GSC-11619-1
	US-PATENT-CLASS-244-90R		US-PATENT-3,832,903	N75-12222* #	c 34	US-PATENT-APPL-SN-397476
	US-PATENT-CLASS-244-91		NASA-CASE-MS-14187-1			US-PATENT-CLASS-138-113
	US-PATENT-3,826,448	N74-32879* #	US-PATENT-APPL-SN-326326		c 35	US-PATENT-CLASS-138-114
N74-30502* #	NASA-CASE-LEW-10906-1		US-PATENT-CLASS-23-230L			US-PATENT-CLASS-138-148
c 25	US-PATENT-APPL-SN-245279		US-PATENT-CLASS-73-104			US-PATENT-CLASS-165-1
	US-PATENT-APPL-SN-876588		US-PATENT-CLASS-73-15 4			US-PATENT-CLASS-165-105
	US-PATENT-CLASS-204-157 1H		US-PATENT-CLASS-73-40 7			US-PATENT-CLASS-165-47
	US-PATENT-3,826,726		US-PATENT-3,830,094			US-PATENT-CLASS-220-15
N74-30523* #	NASA-CASE-NPO-11921-1	N74-32917* #	NASA-CASE-NPO-13205-1		c 31	US-PATENT-CLASS-244-1SC
c 32	US-PATENT-APPL-SN-359039		US-PATENT-APPL-SN-393525			US-PATENT-3,847,208
	US-PATENT-CLASS-179-15BC		US-PATENT-CLASS-425-28B	N75-12270* #	c 35	NASA-CASE-KSC-10750-1
	US-PATENT-CLASS-325-346		US-PATENT-CLASS-425-35			US-PATENT-APPL-SN-346372
	US-PATENT-3,828,138		US-PATENT-3,833,322			US-PATENT-CLASS-324-158T
N74-30524* #	NASA-CASE-MS-13912-1	N74-32918* #	NASA-CASE-NPO-13157-1		c 37	US-PATENT-CLASS-324-60C
c 32	US-PATENT-APPL-SN-310034		US-PATENT-APPL-SN-370872			US-PATENT-3,848,190
	US-PATENT-CLASS-179-15AT		US-PATENT-CLASS-29-203H			NASA-CASE-MFS-20994-1
	US-PATENT-CLASS-179-15BY		US-PATENT-CLASS-29-268	N75-12271* #	c 35	US-PATENT-APPL-SN-386789
	US-PATENT-3,828,137		US-PATENT-3,832,764			US-PATENT-CLASS-128-2V
N74-30597* #	NASA-CASE-LAR-10550-1		NASA-CASE-LEW-11118-1		c 20	US-PATENT-CLASS-73-67 1
c 09	US-PATENT-APPL-SN-261183	N74-32919* #	US-PATENT-APPL-SN-289050			US-PATENT-3,848,141
	US-PATENT-CLASS-35-12E		US-PATENT-CLASS-204-9			NASA-CASE-LAR-11069-1
	US-PATENT-3,824,707		US-PATENT-3,832,290	N75-12272* #	c 35	US-PATENT-APPL-SN-326198
N74-30608* #	NASA-CASE-LAR-10194-1	N74-32920* #	NASA-CASE-LAR-10489-2		c 31	US-PATENT-CLASS-195-127
c 34	US-PATENT-APPL-SN-169962		US-PATENT-APPL-SN-198763			US-PATENT-3,841,973
	US-PATENT-CLASS-55-159		NASA-CASE-MFS-20506-1	N75-12273* #	c 35	US-PATENT-APPL-SN-328792
	US-PATENT-CLASS-55-199		US-PATENT-CLASS-249-145			US-PATENT-CLASS-33-DIG 13
	US-PATENT-CLASS-55-43		US-PATENT-CLASS-249-184			US-PATENT-CLASS-33-180R
	US-PATENT-3,828,524		US-PATENT-CLASS-249-83			US-PATENT-CLASS-350-292
N74-30886* #	NASA-CASE-GSC-11569-1		US-PATENT-CLASS-249-95		c 89	US-PATENT-3,842,509
c 89	US-PATENT-APPL-SN-293725		US-PATENT-CLASS-425-128			NASA-CASE-LAR-11211-1
	US-PATENT-CLASS-250-203R		US-PATENT-CLASS-425-415	N75-12326* #	c 37	US-PATENT-APPL-SN-302681
	US-PATENT-CLASS-33-268		US-PATENT-3,830,609			

	US-PATENT-CLASS-29-470 1		US-PATENT-CLASS-115-103 5	N75-15932* #	c 35	NASA-CASE-MFS-21045-1
	US-PATENT-CLASS-29-475		US-PATENT-CLASS-195-120			US-PATENT-APPL-SN-411572
	US-PATENT-3,842,485		US-PATENT-CLASS-195-127			US-PATENT-CLASS-73-1R
N75-12616* #	c 54	NASA-CASE-MFS-21611-1	US-PATENT-3,850,754			US-PATENT-CLASS-73-379
		US-PATENT-APPL-SN-403694	NASA-CASE-LEW-11581-1	N75-15992* #	c 37	US-PATENT-3,859,840
		US-PATENT-CLASS-214-1CM	US-PATENT-APPL-SN-327921			NASA-CASE-GSC-11577-1
		US-PATENT-CLASS-307-149	US-PATENT-CLASS-128-2 05A			US-PATENT-APPL-SN-322997
		US-PATENT-CLASS-308-174	US-PATENT-CLASS-128-2 05P			US-PATENT-CLASS-117-106A
		US-PATENT-3,849,668	US-PATENT-3,850,169			US-PATENT-CLASS-117-93 3
N75-12732* #	c 74	NASA-CASE-ARC-10448-2	NASA-CASE-ARC-10466-1			US-PATENT-CLASS-156-89
		US-PATENT-APPL-SN-374424	US-PATENT-APPL-SN-352382			US-PATENT-CLASS-156-99
		US-PATENT-CLASS-156-16	US-PATENT-CLASS-235-156			US-PATENT-CLASS-29-472 7
		US-PATENT-CLASS-156-18	US-PATENT-CLASS-235-197			US-PATENT-CLASS-29-473 1
		US-PATENT-CLASS-156-7	US-PATENT-CLASS-324-77B			US-PATENT-CLASS-65-43
		US-PATENT-CLASS-250-495	US-PATENT-3,851,162			US-PATENT-3,859,714
		US-PATENT-3,847,689	NASA-CASE-MFS-22145-1	N75-16783* #	c 35	NASA-CASE-ARC-10637-1
		NASA-CASE-LAR-11059-1	US-PATENT-APPL-SN-367606			US-PATENT-APPL-SN-352383
N75-12810* #	c 76	US-PATENT-APPL-SN-367294	US-PATENT-CLASS-176-3			US-PATENT-CLASS-356-28
		US-PATENT-CLASS-73-32R	US-PATENT-CLASS-313-63			US-PATENT-3,860,342
		US-PATENT-CLASS-73-432PS	US-PATENT-CLASS-315-111	N75-18310* #	c 20	NASA-CASE-LEW-11694-1
		US-PATENT-3,842,656	US-PATENT-CLASS-328-233			US-PATENT-APPL-SN-352381
N75-12930* #	c 05	NASA-CASE-ARC-10456-1	US-PATENT-3,854,097			US-PATENT-CLASS-29-25 18
		US-PATENT-APPL-SN-237491	NASA-CASE-MSC-13530-2			US-PATENT-CLASS-72-63
		US-PATENT-CLASS-244-75R	US-PATENT-APPL-SN-178771			US-PATENT-3,864,797
		US-PATENT-CLASS-244-83R	US-PATENT-APPL-SN-69488	N75-18477* #	c 33	NASA-CASE-MFS-22129-1
		US-PATENT-CLASS-416-25	US-PATENT-CLASS-106-13			US-PATENT-APPL-SN-370255
		US-PATENT-CLASS-74-480R	US-PATENT-CLASS-106-15R			US-PATENT-CLASS-324-32
		US-PATENT-3,850,388	US-PATENT-CLASS-106-287SB			US-PATENT-CLASS-324-54
N75-12968* #	c 09	NASA-CASE-MFS-22039-1	US-PATENT-CLASS-117-124F	N75-18479* #	c 33	US-PATENT-3,866,114
		US-PATENT-APPL-SN-386790	US-PATENT-CLASS-117-135 5			NASA-CASE-MSC-14129-1
		US-PATENT-CLASS-108-136	US-PATENT-CLASS-252-549			US-PATENT-APPL-SN-362146
		US-PATENT-3,853,075	US-PATENT-CLASS-252-70			US-PATENT-CLASS-307-229
N75-12969* #	c 09	NASA-CASE-ARC-10710-1	US-PATENT-3,856,534			US-PATENT-CLASS-307-235R
		US-PATENT-APPL-SN-379019	NASA-CASE-NPO-12130-1			US-PATENT-CLASS-307-267
		US-PATENT-CLASS-73-147	US-PATENT-APPL-SN-750235			US-PATENT-CLASS-328-115
		US-PATENT-3,853,003	US-PATENT-CLASS-23-230B			US-PATENT-CLASS-328-151
N75-13007* #	c 15	NASA-CASE-GSC-11182-1	US-PATENT-CLASS-23-253R			US-PATENT-CLASS-328-58
		US-PATENT-APPL-SN-393527	US-PATENT-3,856,471			US-PATENT-3,869,624
		US-PATENT-CLASS-325-4	NASA-CASE-MSC-14240-1	N75-18573* #	c 37	NASA-CASE-NPO-13253-1
		US-PATENT-3,851,250	US-PATENT-APPL-SN-351929			US-PATENT-APPL-SN-395687
N75-13032* #	c 24	NASA-CASE-LAR-10994-1	US-PATENT-CLASS-307-205			US-PATENT-CLASS-248-358R
		US-PATENT-APPL-SN-390466	US-PATENT-CLASS-307-208			US-PATENT-3,863,881
		US-PATENT-CLASS-29-420	US-PATENT-3,857,045	N75-18574* #	c 37	NASA-CASE-GSC-11079-1
		US-PATENT-CLASS-29-604	NASA-CASE-LAR-11213-1			US-PATENT-APPL-SN-100637
		US-PATENT-CLASS-340-174MA	US-PATENT-APPL-SN-406715			US-PATENT-CLASS-308-10
		US-PATENT-CLASS-75-200	US-PATENT-CLASS-250-201			US-PATENT-3,865,442
		US-PATENT-3,849,877	US-PATENT-CLASS-356-4	N75-19329* #	c 18	NASA-CASE-MFS-22734-1
N75-13111* #	c 31	NASA-CASE-LAR-10782-2	US-PATENT-3,857,331			US-PATENT-APPL-SN-453232
		US-PATENT-APPL-SN-197689	NASA-CASE-MFS-21244-1			US-PATENT-CLASS-244-162
		US-PATENT-APPL-SN-379049	US-PATENT-APPL-SN-350249			US-PATENT-3,866,863
		US-PATENT-CLASS-249-144	US-PATENT-CLASS-356-103	N75-19408* #	c 26	NASA-CASE-LEW-11696-2
		US-PATENT-CLASS-249-145	US-PATENT-CLASS-356-28			US-PATENT-APPL-SN-298156
		US-PATENT-CLASS-249-59	US-PATENT-CLASS-356-5			US-PATENT-APPL-SN-436315
		US-PATENT-CLASS-425-DIG 43	US-PATENT-3,856,042			US-PATENT-CLASS-29-194
		US-PATENT-CLASS-425-405R	NASA-CASE-NPO-13050-1			US-PATENT-CLASS-29-196 2
		US-PATENT-CLASS-425-438	US-PATENT-APPL-SN-317567			US-PATENT-CLASS-29-196 6
		US-PATENT-CLASS-425-468	US-PATENT-CLASS-117-95			US-PATENT-CLASS-29-197
		US-PATENT-3,850,567	US-PATENT-CLASS-117-97			US-PATENT-3,869,779
N75-13139* #	c 33	NASA-CASE-MFS-22073-1	US-PATENT-CLASS-330-4	N75-19515* #	c 33	NASA-CASE-MSC-14131-1
		US-PATENT-APPL-SN-409991	US-PATENT-CLASS-332-7 5			US-PATENT-APPL-SN-373588
		US-PATENT-CLASS-318-608	US-PATENT-3,859,119			US-PATENT-CLASS-307-260
		US-PATENT-CLASS-318-640	NASA-CASE-NPO-13201-1			US-PATENT-CLASS-324-78J
		US-PATENT-CLASS-318-649	US-PATENT-APPL-SN-372149			US-PATENT-CLASS-328-59
		US-PATENT-CLASS-318-675	US-PATENT-CLASS-137-505 38			US-PATENT-CLASS-331-78
		US-PATENT-3,851,238	US-PATENT-CLASS-137-505 42			US-PATENT-3,866,128
N75-13213* #	c 35	NASA-CASE-LEW-11632-2	US-PATENT-CLASS-74-424 8VA	N75-19516* #	c 33	NASA-CASE-GSC-11760-1
		US-PATENT-APPL-SN-254173	US-PATENT-3,856,042			NASA-CASE-GSC-11783-1
		US-PATENT-APPL-SN-327969	NASA-CASE-NPO-12119-1			US-PATENT-APPL-SN-395868
		US-PATENT-CLASS-29-571	US-PATENT-APPL-SN-847815			US-PATENT-CLASS-343-761
		US-PATENT-CLASS-29-592	US-PATENT-CLASS-424-180			US-PATENT-CLASS-343-781
		US-PATENT-CLASS-307-309	US-PATENT-3,849,554			US-PATENT-CLASS-343-837
		US-PATENT-CLASS-317-235H	NASA-CASE-LAR-10276-1			US-PATENT-3,866,233
		US-PATENT-CLASS-330-6	US-PATENT-APPL-SN-29979	N75-19517* #	c 33	NASA-CASE-GSC-11582-1
		US-PATENT-3,849,875	US-PATENT-CLASS-272-1R			US-PATENT-APPL-SN-397477
N75-13261* #	c 37	NASA-CASE-LEW-11696-1	US-PATENT-CLASS-272-57A			US-PATENT-CLASS-178-15
		US-PATENT-APPL-SN-298156	US-PATENT-CLASS-35-12C			US-PATENT-CLASS-315-18
		US-PATENT-CLASS-29-196 6	US-PATENT-3,859,736			US-PATENT-CLASS-340-324AD
		US-PATENT-CLASS-29-197	NASA-CASE-NPO-13292-1			US-PATENT-3,866,210
		US-PATENT-CLASS-29-460	US-PATENT-APPL-SN-416135	N75-19518* #	c 33	NASA-CASE-ARC-10348-1
		US-PATENT-CLASS-29-494	US-PATENT-CLASS-343-100ST			US-PATENT-APPL-SN-140439
		US-PATENT-CLASS-29-497 5	US-PATENT-CLASS-343-17 5			US-PATENT-CLASS-330-69
		US-PATENT-CLASS-29-504	US-PATENT-CLASS-343-6 5R			US-PATENT-CLASS-330-86
		US-PATENT-3,849,865	US-PATENT-CLASS-343-9			US-PATENT-3,872,395
N75-13265* #	c 37	NASA-CASE-KSC-10723-1	US-PATENT-3,860,921	N75-19519* #	c 33	NASA-CASE-NPO-13125-1
		US-PATENT-APPL-SN-347952	NASA-CASE-MFS-22088-1			US-PATENT-APPL-SN-319150
		US-PATENT-CLASS-338-162	US-PATENT-APPL-SN-426155			US-PATENT-CLASS-235-92DM
		US-PATENT-CLASS-338-75	US-PATENT-CLASS-318-227			US-PATENT-CLASS-235-92LG
		US-PATENT-CLASS-338-97	US-PATENT-CLASS-318-230			US-PATENT-CLASS-235-92T
		US-PATENT-3,854,113	US-PATENT-CLASS-318-231			US-PATENT-CLASS-235-92VA
N75-13266* #	c 37	NASA-CASE-NPO-13281-1	US-PATENT-3,860,858			US-PATENT-3,866,022
		US-PATENT-APPL-SN-412079	NASA-CASE-MFS-21761-1	N75-19520* #	c 33	NASA-CASE-ARC-10364-3
		US-PATENT-CLASS-74-436	US-PATENT-APPL-SN-337816			US-PATENT-APPL-SN-209618
		US-PATENT-CLASS-74-820	US-PATENT-CLASS-200-83N			US-PATENT-APPL-SN-462844
		US-PATENT-3,855,873	US-PATENT-CLASS-73-40			US-PATENT-CLASS-307-321
N75-13502* #	c 51	NASA-CASE-LAR-11074-1	US-PATENT-CLASS-73-49 2			US-PATENT-CLASS-324-DIG 1
		US-PATENT-APPL-SN-326364	US-PATENT-3,859,845			

		US-PATENT-CLASS-329-166	N75-19686* #	c 37	NASA-CASE-MFS-19193-1		US-PATENT-APPL-SN-374422
		US-PATENT-CLASS-329-204			US-PATENT-APPL-SN-461477		US-PATENT-CLASS-343-100PE
		US-PATENT-CLASS-332-47			US-PATENT-CLASS-285-114		US-PATENT-CLASS-343-5GC
		US-PATENT-3,869,676			US-PATENT-CLASS-285-226		US-PATENT-3,883,872
N75-19521* #	c 33	NASA-CASE-KSC-10736-1	N75-20139* #	c 77	US-PATENT-3,869,151	N75-25040* #	c 33
		US-PATENT-APPL-SN-348787			NASA-CASE-MS-11413-1		NASA-CASE-GSC-11623-1
		US-PATENT-CLASS-324-102			US-PATENT-APPL-SN-393526		US-PATENT-APPL-SN-389929
		US-PATENT-CLASS-324-113			US-PATENT-CLASS-165-110		US-PATENT-CLASS-331-1A
		US-PATENT-3,869,667			US-PATENT-CLASS-165-111		US-PATENT-CLASS-331-18
N75-19522* #	c 33	NASA-CASE-GSC-11844-1			US-PATENT-CLASS-62-285		US-PATENT-CLASS-331-25
		US-PATENT-APPL-SN-452761			US-PATENT-CLASS-62-288	N75-25041* #	c 33
		US-PATENT-CLASS-307-227			US-PATENT-CLASS-62-289		NASA-CASE-ARC-10364-2
		US-PATENT-CLASS-321-15			US-PATENT-CLASS-62-290		US-PATENT-APPL-SN-433968
		US-PATENT-CLASS-324-32			US-PATENT-CLASS-62-317		US-PATENT-CLASS-307-321
		US-PATENT-3,869,659			US-PATENT-CLASS-62-93		US-PATENT-CLASS-324-DIG 1
N75-19524* #	c 33	NASA-CASE-NPO-13374-1	N75-20140* #	c 77	US-PATENT-3,868,830		US-PATENT-CLASS-329-166
		US-PATENT-APPL-SN-449118			NASA-CASE-GSC-11752-1		US-PATENT-CLASS-329-204
		US-PATENT-CLASS-318-137			US-PATENT-APPL-SN-446569		US-PATENT-3,883,812
		US-PATENT-CLASS-318-167			US-PATENT-CLASS-219-497	N75-25122* #	c 35
		US-PATENT-CLASS-318-176			US-PATENT-CLASS-219-501		NASA-CASE-NPO-10764-2
		US-PATENT-CLASS-318-183			US-PATENT-CLASS-219-505		US-PATENT-APPL-SN-273519
		US-PATENT-3,867,677			US-PATENT-3,869,597		US-PATENT-APPL-SN-836280
N75-19611* #	c 35	NASA-CASE-LAR-11071-1	N75-21485* #	c 32	NASA-CASE-MS-12607-1		US-PATENT-CLASS-116-114 5
		US-PATENT-APPL-SN-334349			US-PATENT-APPL-SN-407323		US-PATENT-CLASS-117-72
		US-PATENT-CLASS-417-138			US-PATENT-CLASS-358-36		US-PATENT-CLASS-73-356
		US-PATENT-CLASS-417-36			US-PATENT-CLASS-178-DIG 12		US-PATENT-3,874,240
		US-PATENT-CLASS-417-395			US-PATENT-3,875,584	N75-25123* #	c 35
		US-PATENT-CLASS-73-221			NASA-CASE-MS-14558-1		NASA-CASE-NPO-13214-1
		US-PATENT-3,864,060			US-PATENT-APPL-SN-428994		NASA-CASE-NPO-13215-1
N75-19612* #	c 35	NASA-CASE-LAR-11237-1			US-PATENT-CLASS-178-58A		US-PATENT-APPL-SN-394149
		US-PATENT-APPL-SN-402868			US-PATENT-CLASS-178-78		US-PATENT-CLASS-178-DIG 29
		US-PATENT-CLASS-340-242			US-PATENT-CLASS-178-79		US-PATENT-CLASS-178-7 2
		US-PATENT-CLASS-73-46			US-PATENT-3,875,332	N75-25124* #	c 35
		US-PATENT-CLASS-73-49 2			NASA-CASE-MFS-22671-1		NASA-CASE-MFS-21704-1
		US-PATENT-3,864,960			US-PATENT-APPL-SN-419831		US-PATENT-APPL-SN-386793
N75-19613* #	c 35	NASA-CASE-LAR-11207-1	N75-21582* #	c 35	US-PATENT-CLASS-178-69A		US-PATENT-CLASS-350-3 5
		US-PATENT-APPL-SN-385013			US-PATENT-CLASS-235-181		US-PATENT-3,883,215
		US-PATENT-CLASS-178-DIG 20			US-PATENT-CLASS-324-57PS		NASA-CASE-NPO-13360-1
		US-PATENT-CLASS-250-332			US-PATENT-CLASS-324-77H		US-PATENT-APPL-SN-401920
		US-PATENT-CLASS-356-186			US-PATENT-CLASS-325-67		US-PATENT-CLASS-228-1
		US-PATENT-CLASS-356-189			US-PATENT-3,875,500		US-PATENT-CLASS-251-333
		US-PATENT-CLASS-356-83			NASA-CASE-LEW-11274-1		US-PATENT-3,874,635
		US-PATENT-CLASS-356-96	N75-21631* #	c 37	US-PATENT-APPL-SN-380630	N75-25186* #	c 37
		US-PATENT-3,869,212			US-PATENT-CLASS-277-134		NASA-CASE-MFS-22649-1
N75-19614* #	c 35	NASA-CASE-LAR-11173-1			US-PATENT-CLASS-277-27		US-PATENT-APPL-SN-398901
		US-PATENT-APPL-SN-354408			US-PATENT-CLASS-277-40		US-PATENT-CLASS-408-186
		US-PATENT-CLASS-332-2			US-PATENT-3,874,677		US-PATENT-CLASS-408-193
		US-PATENT-CLASS-73-557			NASA-CASE-NPO-13327-1		US-PATENT-CLASS-408-195
		US-PATENT-3,868,856			US-PATENT-APPL-SN-429437	N75-25503* #	c 51
N75-19615* #	c 35	NASA-CASE-MFS-22189-1			US-PATENT-CLASS-247-171		NASA-CASE-ARC-10722-1
		US-PATENT-APPL-SN-405342			US-PATENT-CLASS-250-203		US-PATENT-APPL-SN-428995
		US-PATENT-CLASS-33-148D			US-PATENT-CLASS-250-211R		US-PATENT-CLASS-47-1 2
		US-PATENT-CLASS-73-143			US-PATENT-3,875,404		US-PATENT-CLASS-47-39
		US-PATENT-3,864,953			NASA-CASE-MS-14339-1		US-PATENT-CLASS-47-58
N75-19616* #	c 35	NASA-CASE-MFS-20932-1	N75-24716* #	c 05	US-PATENT-APPL-SN-347953	N75-25706* #	c 74
		US-PATENT-APPL-SN-374441			US-PATENT-CLASS-128 2 06E		NASA-CASE-HQN-10542-1
		US-PATENT-CLASS-250-505			US-PATENT-CLASS-128-DIG 4		US-PATENT-APPL-SN-163151
		US-PATENT-CLASS-250-508			US-PATENT-CLASS-128-2 06B		US-PATENT-CLASS-178-DIG 25
		US-PATENT-CLASS-250-510			US-PATENT-3,882,846		US-PATENT-CLASS-250-566
		US-PATENT-3,869,615			NASA-CASE-ARC-10754-1		US-PATENT-CLASS-350-311
N75-19652* #	c 36	NASA-CASE-NPO-13131-1	N75-24736* #	c 07	US-PATENT-APPL-SN-398886	N75-25730* #	c 76
		US-PATENT-APPL-SN-390468			US-PATENT-CLASS-137-15 1		US-PATENT-GSC-11425-2
		US-PATENT-CLASS-178-7 1			US-PATENT-CLASS-244-53B		US-PATENT-APPL-SN-206266
		US-PATENT-CLASS-250-211R			US-PATENT-3,883,095		US-PATENT-APPL-SN-394206
		US-PATENT-CLASS-250-578			NASA-CASE-GSC-11127-1		US-PATENT-CLASS-357-23
		US-PATENT-CLASS-315-169R			US-PATENT-APPL-SN-401466		US-PATENT-CLASS-357-29
		US-PATENT-CLASS-340-173LS			US-PATENT-CLASS-318-314		US-PATENT-CLASS-357-42
		US-PATENT-3,865,975			US-PATENT-CLASS-318-318		US-PATENT-CLASS-357-52
N75-19653* #	c 36	NASA-CASE-HQN-10844-1			US-PATENT-CLASS-318-341		US-PATENT-CLASS-357-91
		US-PATENT-APPL-SN-412080			US-PATENT-3,883,785		US-PATENT-3,882,530
		US-PATENT-CLASS-356-106LR	N75-24774* #	c 12	NASA-CASE-NPO-13263-1	N75-25914* #	c 05
		US-PATENT-3,869,210			US-PATENT-APPL-SN-393523		NASA-CASE-LAR-11252-1
N75-19654* #	c 36	NASA-CASE-GSC-11746-1			US-PATENT-CLASS-73-505		US-PATENT-APPL-SN-367268
		US-PATENT-APPL-SN-393528			US-PATENT-CLASS-73-505		US-PATENT-CLASS-D12-76
		US-PATENT-CLASS-331-94 5M			US-PATENT-3,882,732		US-PATENT-CLASS-244-13
		US-PATENT-3,869,680			NASA-CASE-MFS-21488-1		US-PATENT-CLASS-244-15
N75-19655* #	c 36	NASA-CASE-LAR-11341-1	N75-24794* #	c 14	US-PATENT-APPL-SN-359156		US-PATENT-CLASS-244-42DA
		US-PATENT-APPL-SN-367293			US-PATENT-CLASS-73-143		US-PATENT-CLASS-244-55
		US-PATENT-CLASS-330-4 3			US-PATENT-3,882,719		US-PATENT-3,884,432
		US-PATENT-CLASS-331-94 5P			NASA-CASE-NPO-13303-1		NASA-CASE-ARC-10519-2
		US-PATENT-3,868,591			US-PATENT-APPL-SN-457295		US-PATENT-APPL-SN-452767
N75-19683* #	c 37	NASA-CASE-MS-19095-1	N75-24837* #	c 20	US-PATENT-CLASS-310-10		US-PATENT-CLASS-280-1505B
		US-PATENT-APPL-SN-415486			US-PATENT-CLASS-310-4		US-PATENT-CLASS-297-385
		US-PATENT-CLASS-219-137			US-PATENT-CLASS-310-40		US-PATENT-CLASS-297-388
		US-PATENT-3,864,542			US-PATENT-CLASS-310-52		US-PATENT-CLASS-297-389
N75-19684* #	c 37	NASA-CASE-NPO-13345-1			US-PATENT-CLASS-335-216		US-PATENT-CLASS-297-389
		US-PATENT-APPL-SN-462705			US-PATENT-CLASS-60-516		US-PATENT-3,887,233
		US-PATENT-CLASS-204-192			US-PATENT-CLASS-60-530		NASA-CASE-LAR-11144-1
		US-PATENT-CLASS-204-298			US-PATENT-CLASS-62-3		US-PATENT-APPL-SN-426405
		US-PATENT-3,864,239			US-PATENT-CLASS-62-467		US-PATENT-CLASS-117-106A
N75-19685* #	c 37	NASA-CASE-MFS-21606-1	N75-24981* #	c 32	US-PATENT-3,875,435		US-PATENT-CLASS-117-107 2
		US-PATENT-APPL-SN-356555			NASA-CASE-GSC-11743-1		US-PATENT-CLASS-117-201
		US-PATENT-CLASS-292-DIG 14			US-PATENT-APPL-SN-370271		US-PATENT-CLASS-118-48
		US-PATENT-CLASS-292-108			US-PATENT-CLASS-178-66R		US-PATENT-CLASS-118-49 1
		US-PATENT-CLASS-292-122			US-PATENT-CLASS-325-30		US-PATENT-CLASS-148-175
		US-PATENT-3,869,160			US-PATENT-CLASS-325-60		US-PATENT-CLASS-252-62 3GA
			N75-24982* #	c 32	US-PATENT-3,878,464		US-PATENT-3,888,705
					NASA-CASE-NPO-13140-1	N75-26194* #	c 32
							NASA-CASE-NPO-13217-1
							US-PATENT-APPL-SN-362145

N75-30876* #	c 73	NASA-CASE-LEW-11227-1 US-PATENT-APPL-SN-146939 US-PATENT-CLASS-244-1SS US-PATENT-CLASS-250-493 US-PATENT-CLASS-250-496 US-PATENT-3,899,680	N75-33369* #	c 35	US-PATENT-CLASS-195-103 5R US-PATENT-3,907,646 NASA-CASE-LAR-11263-1 US-PATENT-APPL-SN-472775 US-PATENT-CLASS-73-141A US-PATENT-3,906,788	N76-14373* #	c 33	US-PATENT-CLASS-343-846 US-PATENT-3,919,710 NASA-CASE-NPO-13451-1 US-PATENT-APPL-SN-501012 US-PATENT-CLASS-235-92SH US-PATENT-CLASS-307-221R US-PATENT-CLASS-328-37 US-PATENT-3,911,330
N75-31329* #	c 33	NASA-CASE-NPO-13423-1 US-PATENT-APPL-SN-470429 US-PATENT-CLASS-128-2S US-PATENT-CLASS-338-2 US-PATENT-CLASS-73-88 5 US-PATENT-3,905,356	N75-33395* #	c 37	NASA-CASE-MFS-22283-1 US-PATENT-APPL-SN-387095 US-PATENT-CLASS-279-1B US-PATENT-CLASS-279-107 US-PATENT-CLASS-279-89 US-PATENT-CLASS-29-26A US-PATENT-CLASS-294-116 US-PATENT-CLASS-294-86 33 US-PATENT-3,907,312	N76-14429* #	c 35	NASA-CASE-LAR-11552-1 US-PATENT-APPL-SN-518685 US-PATENT-CLASS-73-182 US-PATENT-CLASS-73-212 US-PATENT-3,914,997
N75-31330* #	c 33	NASA-CASE-NPO-13426-1 US-PATENT-APPL-SN-45053 US-PATENT-CLASS-307-225R US-PATENT-CLASS-328-41 US-PATENT-3,906,374	N75-33640* #	c 52	NASA-CASE-LEW-12051-1 US-PATENT-APPL-SN-397478 US-PATENT-CLASS-128-230 US-PATENT-CLASS-128-305 US-PATENT-CLASS-128-305 US-PATENT-3,906,954	N76-14430* #	c 35	NASA-CASE-NPO-13170-1 US-PATENT-APPL-SN-382261 US-PATENT-CLASS-338-6 US-PATENT-CLASS-73-88 5R US-PATENT-3,914,991
N75-31331* #	c 33	NASA-CASE-NPO-11156-2 US-PATENT-APPL-SN-174684 US-PATENT-CLASS-307-238 US-PATENT-CLASS-340-173CA US-PATENT-CLASS-357-24 US-PATENT-CLASS-357-7 US-PATENT-3,906,296	N76-14158* #	c 15	NASA-CASE-LAR-11051-1 US-PATENT-APPL-SN-384773 US-PATENT-CLASS-244-165 US-PATENT-CLASS-244-3 21 US-PATENT-CLASS-74-5 7 US-PATENT-3,915,416	N76-14431* #	c 35	NASA-CASE-LEW-11915-1 US-PATENT-APPL-SN-474744 US-PATENT-CLASS-137-15 2 US-PATENT-CLASS-235-151 34 US-PATENT-CLASS-60-39 29 US-PATENT-3,911,260
N75-31332* #	c 33	NASA-CASE-NPO-13348-1 US-PATENT-APPL-SN-452770 US-PATENT-CLASS-250-238 US-PATENT-CLASS-250-370 US-PATENT-CLASS-357-5 US-PATENT-3,906,231	N76-14186* #	c 18	NASA-CASE-ARC-10370-1 US-PATENT-APPL-SN-137391 US-PATENT-CLASS-331-94 5G US-PATENT-CLASS-331-94 5P US-PATENT-3,906,397	N76-14447* #	c 36	NASA-CASE-ARC-10642-1 US-PATENT-APPL-SN-446562 US-PATENT-CLASS-356-106R US-PATENT-CLASS-356-28 US-PATENT-3,915,572
N75-31426* #	c 36	NASA-CASE-ARC-10370-1 US-PATENT-APPL-SN-137391 US-PATENT-CLASS-331-94 5G US-PATENT-CLASS-331-94 5P US-PATENT-3,906,397	N76-14190* #	c 20	NASA-CASE-LEW-11593-1 US-PATENT-APPL-SN-363691 US-PATENT-CLASS-60-39 23 US-PATENT-CLASS-60-39 29 US-PATENT-CLASS-60-39 74R US-PATENT-3,910,035	N76-14460* #	c 37	NASA-CASE-MFS-19194-1 US-PATENT-APPL-SN-483850 US-PATENT-CLASS-285-226 US-PATENT-CLASS-285-265 US-PATENT-3,915,482
N75-31427* #	c 36	NASA-CASE-NPO-13175-1 US-PATENT-APPL-SN-374423 US-PATENT-CLASS-331-94 5C US-PATENT-CLASS-350-161 US-PATENT-CLASS-350-96WG US-PATENT-3,906,393	N76-14191* #	c 20	NASA-CASE-LEW-11118-2 US-PATENT-APPL-SN-436316 US-PATENT-CLASS-239-127 3 US-PATENT-CLASS-60-265 US-PATENT-CLASS-60-267 US-PATENT-3,910,039	N76-14461* #	c 37	NASA-CASE-LEW-11694-2 US-PATENT-APPL-SN-352381 US-PATENT-APPL-SN-462903 US-PATENT-CLASS-29-421 US-PATENT-CLASS-72-363 US-PATENT-CLASS-72-54 US-PATENT-CLASS-72-63 US-PATENT-3,914,969
N75-31446* #	c 37	NASA-CASE-LEW-11925-1 US-PATENT-APPL-SN-450505 US-PATENT-CLASS-308-191 US-PATENT-CLASS-308-195 US-PATENT-CLASS-308-201 US-PATENT-3,905,660	N76-14203* #	c 24	NASA-CASE-NPO-12122-1 US-PATENT-APPL-SN-401921 US-PATENT-CLASS-149-36 US-PATENT-CLASS-423-407 US-PATENT-3,919,014	N76-14463* #	c 37	NASA-CASE-MFS-22323-1 US-PATENT-APPL-SN-474745 US-PATENT-CLASS-137-515 3 US-PATENT-CLASS-137-550 US-PATENT-CLASS-210-429 US-PATENT-CLASS-251-149 6 US-PATENT-3,910,307
N75-32441* #	c 36	NASA-CASE-NPO-13449-1 US-PATENT-APPL-SN-420813 US-PATENT-CLASS-310-11 US-PATENT-CLASS-330-4 3 US-PATENT-CLASS-331-94 5PE US-PATENT-CLASS-331-94-5G US-PATENT-3,906,398	N76-14204* #	c 24	NASA-CASE-MSC-12568-1 US-PATENT-APPL-SN-325784 US-PATENT-CLASS-136-146 US-PATENT-CLASS-136-148 US-PATENT-CLASS-162-102 US-PATENT-CLASS-162-153 US-PATENT-CLASS-162-222 US-PATENT-CLASS-162-228 US-PATENT-3,910,814	N76-14595* #	c 44	NASA-CASE-MFS-22562-1 US-PATENT-APPL-SN-458484 US-PATENT-CLASS-126-270 US-PATENT-CLASS-136-206 US-PATENT-CLASS-204-32R US-PATENT-CLASS-204-33 US-PATENT-CLASS-204-38A US-PATENT-CLASS-204-40 US-PATENT-CLASS-204-42 US-PATENT-CLASS-204-49 US-PATENT-CLASS-29-194 US-PATENT-CLASS-29-195 US-PATENT-CLASS-29-197 US-PATENT-3,920,413
N75-32465* #	c 37	NASA-CASE-ARC-10907-1 US-PATENT-APPL-SN-619986	N76-14264* #	c 27	NASA-CASE-MSC-14182-1 US-PATENT-APPL-SN-419748 US-PATENT-CLASS-403-179 US-PATENT-CLASS-403-28 US-PATENT-CLASS-428-109 US-PATENT-CLASS-428-212 US-PATENT-CLASS-428-214 US-PATENT-CLASS-428-416 US-PATENT-CLASS-428-447 US-PATENT-CLASS-428-77 US-PATENT-3,920,339	N76-14600* #	c 44	NASA-CASE-LEW-11065-2 US-PATENT-APPL-SN-154930 US-PATENT-APPL-SN-371322 US-PATENT-CLASS-136-89 US-PATENT-CLASS-29-572 US-PATENT-3,912,540
N75-32581* #	c 44	NASA-CASE-MFS-21628-1 US-PATENT-APPL-SN-421702 US-PATENT-CLASS-126-271 US-PATENT-CLASS-165-105 US-PATENT-CLASS-244-173 US-PATENT-CLASS-60-641 US-PATENT-CLASS-60-659 US-PATENT-3,903,699	N76-14284* #	c 31	NASA-CASE-NPO-13435-1 US-PATENT-APPL-SN-478803 US-PATENT-CLASS-62-129 US-PATENT-CLASS-62-49 US-PATENT-CLASS-73-295 US-PATENT-3,914,950	N76-14601* #	c 44	NASA-CASE-MFS-22749-1 US-PATENT-APPL-SN-483857 US-PATENT-CLASS-136-114 US-PATENT-CLASS-136-162 US-PATENT-CLASS-136-182 US-PATENT-CLASS-136-90 US-PATENT-3,912,541
N75-33181* #	c 24	NASA-CASE-LEW-11484-1 US-PATENT-APPL-SN-356554 US-PATENT-CLASS-117-105 2 US-PATENT-CLASS-117-38 US-PATENT-CLASS-117-46FS US-PATENT-CLASS-117-8 5 US-PATENT-CLASS-29-DIG 24 US-PATENT-CLASS-29-DIG 39 US-PATENT-CLASS-29-527 2 US-PATENT-CLASS-72-46 US-PATENT-3,906,769	N76-14321* #	c 32	NASA-CASE-LAR-11021-1 US-PATENT-APPL-SN-453115 US-PATENT-CLASS-325-304 US-PATENT-CLASS-325-306 US-PATENT-CLASS-325-372 US-PATENT-CLASS-328-145 US-PATENT-CLASS-343-176 US-PATENT-3,916,316	N76-14602* #	c 44	NASA-CASE-NPO-13497-1 US-PATENT-APPL-SN-526448 US-PATENT-CLASS-126-271 US-PATENT-CLASS-237-1A US-PATENT-CLASS-350-211 US-PATENT-3,915,148
N75-33342* #	c 34	NASA-CASE-MSC-14273-1 US-PATENT-APPL-SN-385522 US-PATENT-CLASS-210-234 US-PATENT-CLASS-210-259 US-PATENT-CLASS-210-304 US-PATENT-CLASS-210-333 US-PATENT-CLASS-210-340 US-PATENT-CLASS-210-411 US-PATENT-CLASS-210-425 US-PATENT-CLASS-210-512 US-PATENT-CLASS-210-82 US-PATENT-3,907,686	N76-14371* #	c 33	NASA-CASE-KSC-10834-1 US-PATENT-APPL-SN-536535 US-PATENT-CLASS-178-69 5R US-PATENT-CLASS-178-88 US-PATENT-CLASS-328-190 US-PATENT-CLASS-328-63 US-PATENT-3,916,084	N76-14757* #	c 52	NASA-CASE-MSC-14180-1 US-PATENT-APPL-SN-354406 US-PATENT-CLASS-128-2 06R US-PATENT-CLASS-128-2 1A US-PATENT-CLASS-128-2H US-PATENT-3,910,257
N75-33367* #	c 35	NASA-CASE-LAR-10629-1 US-PATENT-APPL-SN-402867 US-PATENT-CLASS-116-114AH US-PATENT-CLASS-73-12 US-PATENT-CLASS-73-170R US-PATENT-CLASS-73-432PS US-PATENT-3,896,758	N76-14372* #	c 33	NASA-CASE-LAR-10970-1 US-PATENT-APPL-SN-527790 US-PATENT-CLASS-343-770 US-PATENT-CLASS-343-797	N76-14804* #	c 54	NASA-CASE-MSC-14640-1 US-PATENT-APPL-SN-526449 US-PATENT-CLASS-128-2F US-PATENT-CLASS-73-421R US-PATENT-3,915,012
N75-33368* #	c 35	NASA-CASE-LAR-11326-1 US-PATENT-APPL-SN-491416				N76-14818* #	c 60	NASA-CASE-NPO-13422-1 US-PATENT-APPL-SN-521601 US-PATENT-CLASS-340-147C

		US-PATENT-CLASS-340-147R		US-PATENT-APPL-SN-445178		US-PATENT-CLASS-136-202
		US-PATENT-3,916,380		US-PATENT-CLASS-308-122		US-PATENT-CLASS-136-210
N76-14931* #	c 75	NASA-CASE-MFS-22287-1		US-PATENT-CLASS-308-160		US-PATENT-CLASS-165-105
		US-PATENT-APPL-SN-438147		US-PATENT-CLASS-308-72		US-PATENT-CLASS-310-4
		US-PATENT-CLASS-315-111 6		US-PATENT-CLASS-308-73		US-PATENT-3,931,532
		US-PATENT-CLASS-73-12		US-PATENT-CLASS-308-9	N76-17185* #	c 18
		US-PATENT-CLASS-89-8		US-PATENT-3,926,482		NASA-CASE-MSC-12561-1
		US-PATENT-3,916,761	N76-15860* #	NASA-CASE-LEW-11866-1		US-PATENT-APPL-SN-448323
N76-15189* #	c 12	NASA-CASE-MSC-12611-1		US-PATENT-APPL-SN-500980		US-PATENT-CLASS-244-162
		US-PATENT-APPL-SN-446560		US-PATENT-CLASS-250-499		US-PATENT-CLASS-244-172
		US-PATENT-CLASS-350-288		US-PATENT-CLASS-250-500	N76-17317* #	c 34
		US-PATENT-CLASS-350-293		US-PATENT-3,924,137		NASA-CASE-LAR-10799-6
		US-PATENT-CLASS-427-162	N76-16014* #	NASA-CASE-LAR-11575-1		US-PATENT-APPL-SN-301419
		US-PATENT-CLASS-427-250		US-PATENT-APPL-SN-527727		US-PATENT-APPL-SN-419319
		US-PATENT-3,927,227		US-PATENT-CLASS-244-139		US-PATENT-CLASS-165-105
N76-15268* #	c 23	NASA-CASE-MFS-22355-1		US-PATENT-3,930,628		US-PATENT-CLASS-165-106
		US-PATENT-APPL-SN-487852	N76-16228* #	NASA-CASE-NPO-12061-1		US-PATENT-CLASS-237-60
		US-PATENT-CLASS-260-32 6N		US-PATENT-APPL-SN-45549		US-PATENT-CLASS-244-117A
		US-PATENT-CLASS-260-32 8N		US-PATENT-CLASS-260-879		US-PATENT-CLASS-244-135R
		US-PATENT-CLASS-260-346 3		US-PATENT-CLASS-260-900		US-PATENT-CLASS-417-209
		US-PATENT-CLASS-260-47CP		US-PATENT-CLASS-260-92 1		US-PATENT-3,929,305
		US-PATENT-CLASS-260-571		US-PATENT-3,931,132	N76-17656* #	c 45
		US-PATENT-CLASS-260-78TF	N76-16229* #	NASA-CASE-LEW-11179-1		NASA-CASE-LAR-11675-1
		US-PATENT-3,925,312		US-PATENT-APPL-SN-357312		US-PATENT-APPL-SN-557448
N76-15310* #	c 27	NASA-CASE-ARC-10714-1		US-PATENT-CLASS-29-195A		US-PATENT-CLASS-178-DIG 1
		US-PATENT-APPL-SN-398885		US-PATENT-CLASS-29-195A		US-PATENT-CLASS-178-DIG 8
		US-PATENT-CLASS-260-2 5AK		US-PATENT-CLASS-427-203		US-PATENT-CLASS-178-6 8
		US-PATENT-CLASS-427-196		US-PATENT-CLASS-427-204		US-PATENT-CLASS-250-373
		US-PATENT-CLASS-427-426		US-PATENT-CLASS-427-205		US-PATENT-CLASS-340-237S
		US-PATENT-CLASS-428-303		US-PATENT-CLASS-427-270		US-PATENT-CLASS-356-207
		US-PATENT-3,916,060		US-PATENT-CLASS-427-275	N76-17951* #	c 75
N76-15311* #	c 27	NASA-CASE-NPO-13120-1		US-PATENT-CLASS-427-287		NASA-CASE-MFS-22145-2
		US-PATENT-APPL-SN-348422		US-PATENT-CLASS-428-450		US-PATENT-APPL-SN-367606
		US-PATENT-CLASS-29-182 5		US-PATENT-CLASS-428-457		US-PATENT-APPL-SN-500982
		US-PATENT-3,926,567		US-PATENT-CLASS-428-469		US-PATENT-CLASS-124-1
N76-15329* #	c 32	NASA-CASE-GSC-11968-1		US-PATENT-CLASS-428-539		US-PATENT-CLASS-124-11R
		US-PATENT-APPL-SN-512825	N76-16230* #	US-PATENT-3,931,447		US-PATENT-CLASS-89-8
		US-PATENT-CLASS-343-779		NASA-CASE-ARC-10813-1	N76-18117* #	c 07
		US-PATENT-CLASS-343-837		US-PATENT-APPL-SN-437556		NASA-CASE-LAR-11674-1
		US-PATENT-CLASS-343-876		US-PATENT-CLASS-264-331		US-PATENT-APPL-SN-331759
		US-PATENT-3,927,408		US-PATENT-CLASS-428-412		US-PATENT-APPL-SN-488616
N76-15330* #	c 32	NASA-CASE-LAR-11112-1		US-PATENT-CLASS-428-413		US-PATENT-CLASS-181-33HC
		US-PATENT-APPL-SN-491419		US-PATENT-CLASS-428-447		US-PATENT-CLASS-239-265 11
		US-PATENT-CLASS-343-786		US-PATENT-CLASS-428-911	N76-18245* #	c 25
		US-PATENT-3,924,237		US-PATENT-CLASS-428-920		US-PATENT-3,938,742
N76-15373* #	c 33	NASA-CASE-LEW-11938-1		US-PATENT-CLASS-428-921		NASA-CASE-NPO-13063-1
		US-PATENT-APPL-SN-544611	N76-16249* #	US-PATENT-3,928,708		US-PATENT-APPL-SN-227977
		US-PATENT-CLASS-317-258		NASA-CASE-MSC-14557-1		US-PATENT-CLASS-23-230M
		US-PATENT-CLASS-317-261		US-PATENT-APPL-SN-428994		US-PATENT-CLASS-23-230R
		US-PATENT-3,924,164		US-PATENT-APPL-SN-464720		US-PATENT-CLASS-23-232C
N76-15431* #	c 35	NASA-CASE-MSC-13802-2		US-PATENT-CLASS-178-69C		US-PATENT-CLASS-23-253R
		US-PATENT-APPL-SN-189438		US-PATENT-CLASS-178-88		US-PATENT-CLASS-23-254R
		US-PATENT-APPL-SN-475338		US-PATENT-CLASS-325-321		US-PATENT-CLASS-23-255R
		US-PATENT-CLASS-250-251	N76-16331* #	US-PATENT-3,924,068		US-PATENT-CLASS-235-151 13
		US-PATENT-CLASS-250-287		NASA-CASE-MSC-14649-1	N76-18257* #	c 26
		US-PATENT-CLASS-250-423		US-PATENT-APPL-SN-505819		US-PATENT-APPL-SN-518546
		US-PATENT-3,916,187		US-PATENT-CLASS-324-79D		US-PATENT-CLASS-324-34R
N76-15432* #	c 35	NASA-CASE-LAR-11435-1		US-PATENT-CLASS-328-134		US-PATENT-3,938,037
		US-PATENT-APPL-SN-522556	N76-16332* #	US-PATENT-3,924,183	N76-18295* #	c 32
		US-PATENT-CLASS-310-8 2		NASA-CASE-GSC-11849-1		NASA-CASE-GSC-11862-1
		US-PATENT-CLASS-73-1R		US-PATENT-APPL-SN-470428		US-PATENT-APPL-SN-500979
		US-PATENT-3,924,444		US-PATENT-CLASS-174-145		US-PATENT-CLASS-343-837
N76-15433* #	c 35	NASA-CASE-GSC-11892-1		US-PATENT-CLASS-174-148		US-PATENT-CLASS-343-840
		US-PATENT-APPL-SN-502135		US-PATENT-CLASS-339-143C		US-PATENT-CLASS-343-912
		US-PATENT-CLASS-250-336		US-PATENT-CLASS-339-198R		US-PATENT-CLASS-343-915
		US-PATENT-CLASS-250-385		US-PATENT-CLASS-339-242	N76-18345* #	c 33
		US-PATENT-CLASS-250-489		US-PATENT-CLASS-339-275R		NASA-CASE-NFO-13385-1
		US-PATENT-3,927,324	N76-16390* #	US-PATENT-3,931,456		US-PATENT-APPL-SN-501011
N76-15434* #	c 35	NASA-CASE-LEW-11072-2		NASA-CASE-NPO-13388-1	N76-18257* #	c 26
		US-PATENT-APPL-SN-254323		US-PATENT-APPL-SN-505819		US-PATENT-APPL-SN-518546
		US-PATENT-CLASS-136-211		US-PATENT-CLASS-324-79D		US-PATENT-CLASS-324-34R
		US-PATENT-CLASS-136-212		US-PATENT-CLASS-328-134		US-PATENT-3,938,037
		US-PATENT-CLASS-136-225	N76-16391* #	US-PATENT-3,924,183	N76-18295* #	c 32
		US-PATENT-3,925,104		NASA-CASE-GSC-11849-1		US-PATENT-APPL-SN-500979
N76-15435* #	c 35	NASA-CASE-NPO-13506-1		US-PATENT-APPL-SN-470428		US-PATENT-CLASS-343-837
		US-PATENT-APPL-SN-483851		US-PATENT-CLASS-174-145		US-PATENT-CLASS-343-840
		US-PATENT-CLASS-343-909		US-PATENT-CLASS-174-148		US-PATENT-CLASS-343-912
		US-PATENT-3,924,239		US-PATENT-CLASS-339-143C		US-PATENT-CLASS-343-915
N76-15436* #	c 35	NASA-CASE-GSC-11895-1		US-PATENT-CLASS-339-198R		US-PATENT-3,938,162
		US-PATENT-APPL-SN-511887		US-PATENT-CLASS-339-242	N76-18345* #	c 33
		US-PATENT-CLASS-331-3		US-PATENT-CLASS-339-275R		NASA-CASE-NFO-13385-1
		US-PATENT-CLASS-331-94		US-PATENT-3,931,456		US-PATENT-APPL-SN-501011
		US-PATENT-3,924,200	N76-16390* #	NASA-CASE-NPO-13388-1	N76-18353* #	c 33
N76-15457* #	c 37	NASA-CASE-MFS-22707-1		US-PATENT-APPL-SN-522552		NASA-CASE-GSC-11925-1
		US-PATENT-APPL-SN-535410		US-PATENT-CLASS-324-43R		US-PATENT-APPL-SN-538983
		US-PATENT-CLASS-214-1R		US-PATENT-3,924,176		US-PATENT-CLASS-360-26
		US-PATENT-CLASS-74-384	N76-16391* #	NASA-CASE-NPO-10166-2		US-PATENT-CLASS-360-51
		US-PATENT-CLASS-74-665B		US-PATENT-APPL-SN-192803		US-PATENT-3,938,182
		US-PATENT-3,922,930		US-PATENT-APPL-SN-668116	N76-18364* #	c 34
N76-15460* #	c 37	NASA-CASE-MFS-22022-1		US-PATENT-CLASS-360-10		NASA-CASE-LAR-11570-1
		US-PATENT-APPL-SN-405341		US-PATENT-CLASS-360-101		US-PATENT-APPL-SN-482967
		US-PATENT-CLASS-214-1CM		US-PATENT-CLASS-360-35		US-PATENT-CLASS-244-23D
		US-PATENT-3,923,166		US-PATENT-CLASS-360-99		US-PATENT-CLASS-60-316
N76-15461* #	c 37	NASA-CASE-LEW-11076-4		US-PATENT-3,924,267	N76-18374* #	c 34
		US-PATENT-APPL-SN-238264		NASA-CASE-LAR-11458-1		US-PATENT-3,940,097
		US-PATENT-APPL-SN-346483	N76-16446* #	US-PATENT-APPL-SN-504225		NASA-CASE-MFS-22938-1
				US-PATENT-CLASS-294-1R		US-PATENT-APPL-SN-542754
				US-PATENT-CLASS-294-19R		US-PATENT-CLASS-250-335
			N76-16393* #	US-PATENT-3,929,364		US-PATENT-3,940,621
				NASA-CASE-GSC-11889-1	N76-18400* #	c 35
				US-PATENT-APPL-SN-502124		NASA-CASE-LAR-10208-1
				US-PATENT-CLASS-250-281		US-PATENT-APPL-SN-483858
				US-PATENT-CLASS-250-287		US-PATENT-CLASS-73-103
				US-PATENT-CLASS-250-288	N76-18401* #	c 35
				US-PATENT-CLASS-250-285		NASA-CASE-NPO-13396-1
				US-PATENT-CLASS-250-423		US-PATENT-APPL-SN-563283
				US-PATENT-3,931,516		US-PATENT-CLASS-55-261
N76-16446* #	c 37	NASA-CASE-NPO-13342-1		NASA-CASE-NPO-13342-1		US-PATENT-CLASS-73-28
		US-PATENT-APPL-SN-390049		US-PATENT-CLASS-250-385		US-PATENT-CLASS-73-421 5R
		NASA-CASE-MFS-22002-1	N76-16612* #	US-PATENT-3,938,367		US-PATENT-3,938,367
		US-PATENT-APPL-SN-452769		NASA-CASE-MFS-22517-1	N76-18402* #	c 35
				US-PATENT-APPL-SN-506804		US-PATENT-APPL-SN-506804
				US-PATENT-CLASS-350-3 5		US-PATENT-CLASS-350-3 5

N76-18403* #	c 35	US-PATENT-3,937,555 NASA-CASE-ARC-10322-1 US-PATENT-APPL-SN-484209 US-PATENT-CLASS-23-254EF US-PATENT-3,938,956	N76-19339* #	c 33	US-PATENT-CLASS-73-88 5SD US-PATENT-3,937,212 NASA-CASE-ARC-10810-1 US-PATENT-APPL-SN-489009 US-PATENT-CLASS-204-195R US-PATENT-CLASS-215-247 US-PATENT-CLASS-324-30B US-PATENT-3,938,035	N76-21554* #	c 37	NASA-CASE-LAR-11465-1 US-PATENT-APPL-SN-502137 US-PATENT-CLASS-156-286 US-PATENT-CLASS-156-382 US-PATENT-CLASS-156-556 US-PATENT-CLASS-248-362 US-PATENT-CLASS-248-363 US-PATENT-CLASS-269-21 US-PATENT-CLASS-33-1G US-PATENT-CLASS-33-174B US-PATENT-3,945,879
N76-18427* #	c 36	NASA-CASE-NPO-11945-1 US-PATENT-APPL-SN-269450 US-PATENT-CLASS-331-94 5 US-PATENT-CLASS-332-7 51 US-PATENT-CLASS-350-150 US-PATENT-CLASS-350-160 US-PATENT-CLASS-423-352 US-PATENT-CLASS-423-644 US-PATENT-3,806,834	N76-19436* #	c 37	NASA-CASE-MFS-20607-1 US-PATENT-APPL-SN-478800 US-PATENT-CLASS-222-145 US-PATENT-CLASS-259-4AC US-PATENT-3,941,355	N76-21742* #	c 45	NASA-CASE-NPO-13474-1 US-PATENT-APPL-SN-521817 US-PATENT-CLASS-23-254E US-PATENT-CLASS-250-574 US-PATENT-CLASS-356-37 US-PATENT-3,945,801
N76-18428* #	c 36	NASA-CASE-NPO-13544-1 US-PATENT-APPL-SN-533555 US-PATENT-CLASS-331-94 5C US-PATENT-CLASS-350-96WG US-PATENT-3,939,439	N76-19437* #	c 37	NASA-CASE-MS-12615-1 US-PATENT-APPL-SN-491417 US-PATENT-CLASS-244-117A US-PATENT-CLASS-244-163 US-PATENT-CLASS-29-432 US-PATENT-CLASS-29-433 US-PATENT-CLASS-29-526 US-PATENT-CLASS-52-705 US-PATENT-CLASS-52-758F US-PATENT-3,936,927	N76-21914* #	c 60	NASA-CASE-NPO-13139-1 US-PATENT-APPL-SN-393524 US-PATENT-CLASS-235-153AE US-PATENT-CLASS-340-172 5 US-PATENT-3,950,729
N76-18454* #	c 37	NASA-CASE-MFS-23047-1 US-PATENT-APPL-SN-521602 US-PATENT-CLASS-173-132 US-PATENT-CLASS-29-81D US-PATENT-CLASS-72-453 US-PATENT-CLASS-73-399 US-PATENT-3,937,055	N76-19785* #	c 52	NASA-CASE-LAR-11667-1 US-PATENT-APPL-SN-583487 US-PATENT-CLASS-128-DIG 20 US-PATENT-CLASS-128-26 US-PATENT-3,937,215	N76-22154* #	c 02	NASA-CASE-LAR-10585-1 US-PATENT-APPL-SN-197183 US-PATENT-CLASS-244-35R US-PATENT-CLASS-244-40R US-PATENT-3,952,971
N76-18455* #	c 37	NASA-CASE-MS-14435-1 US-PATENT-APPL-SN-450500 US-PATENT-CLASS-228-193 US-PATENT-CLASS-228-206 US-PATENT-CLASS-228-214 US-PATENT-CLASS-228-238 US-PATENT-3,937,387	N76-19888* #	c 66	NASA-CASE-MFS-22631-1 US-PATENT-APPL-SN-531572 US-PATENT-CLASS-340-38P US-PATENT-CLASS-356-162 US-PATENT-CLASS-356-167 US-PATENT-CLASS-356-71 US-PATENT-3,930,735	N76-22245* #	c 17	NASA-CASE-GSC-11868-1 US-PATENT-APPL-SN-565290 US-PATENT-CLASS-178-69 5 US-PATENT-CLASS-328-155 US-PATENT-CLASS-340-147SY US-PATENT-CLASS-340-207P US-PATENT-3,953,674
N76-18456* #	c 37	NASA-CASE-LAR-11224-1 US-PATENT-APPL-SN-450502 US-PATENT-CLASS-134-21 US-PATENT-CLASS-134-37 US-PATENT-CLASS-19-205 US-PATENT-CLASS-209-250 US-PATENT-CLASS-209-300 US-PATENT-CLASS-209-305 US-PATENT-3,937,661	N76-19935* #	c 74	NASA-CASE-MFS-21672-1 US-PATENT-APPL-SN-354060 US-PATENT-CLASS-356-123 US-PATENT-CLASS-356-124 US-PATENT-3,938,892	N76-22284* #	c 19	NASA-CASE-MFS-22905-1 US-PATENT-APPL-SN-518545 US-PATENT-CLASS-188-1B US-PATENT-CLASS-248-22 US-PATENT-CLASS-248-358R US-PATENT-3,952,980
N76-18457* #	c 37	NASA-CASE-NPO-13402-1 US-PATENT-APPL-SN-387342 US-PATENT-CLASS-123-DIG 12 US-PATENT-CLASS-123-119E US-PATENT-CLASS-123-120 US-PATENT-CLASS-123-121 US-PATENT-CLASS-123-89A US-PATENT-3,906,913	N76-20114* #	c 04	NASA-CASE-LAR-11387-1 US-PATENT-APPL-SN-531647 US-PATENT-CLASS-33-356 US-PATENT-CLASS-75-178R US-PATENT-3,943,763	N76-22296* #	c 20	NASA-CASE-MFS-19220-1 US-PATENT-APPL-SN-571821 US-PATENT-CLASS-254-124 US-PATENT-CLASS-254-93R US-PATENT-CLASS-89-1 801 US-PATENT-3,952,998
N76-18458* #	c 37	NASA-CASE-LEW-11860-1 US-PATENT-APPL-SN-527728 US-PATENT-CLASS-204-157 1H US-PATENT-CLASS-250-527 US-PATENT-3,939,048	N76-20480* #	c 37	NASA-CASE-NPO-13059-1 NASA-CASE-NPO-13436-1 US-PATENT-APPL-SN-513690 US-PATENT-CLASS-81-56 US-PATENT-CLASS-81-57 31 US-PATENT-3,942,398	N76-22309* #	c 24	NASA-CASE-LEW-11930-1 US-PATENT-APPL-SN-513611 US-PATENT-CLASS-252-12 US-PATENT-3,953,343
N76-18459* #	c 37	NASA-CASE-GSC-11551-1 US-PATENT-APPL-SN-440917 US-PATENT-CLASS-308-10 US-PATENT-3,937,533	N76-20958* #	c 74	NASA-CASE-ARC-10631-1 US-PATENT-APPL-SN-514546 US-PATENT-CLASS-250-343 US-PATENT-CLASS-250-573 US-PATENT-3,943,368	N76-22323* #	c 25	NASA-CASE-ARC-10760-1 US-PATENT-APPL-SN-526438 US-PATENT-CLASS-250-343 US-PATENT-CLASS-250-344 US-PATENT-CLASS-250-432R US-PATENT-3,953,734
N76-18641* #	c 44	NASA-CASE-NPO-13237-1 US-PATENT-APPL-SN-378127 US-PATENT-CLASS-136-83R US-PATENT-CLASS-136-86S US-PATENT-3,894,887	N76-20994* #	c 76	NASA-CASE-NPO-13443-1 US-PATENT-APPL-SN-522551 US-PATENT-CLASS-324-158D US-PATENT-CLASS-324-158R US-PATENT-CLASS-324-158T US-PATENT-CLASS-324-60C US-PATENT-3,943,442	N76-22376* #	c 27	NASA-CASE-ARC-10721-1 US-PATENT-APPL-SN-427775 US-PATENT-CLASS-264-60 US-PATENT-CLASS-264-63 US-PATENT-CLASS-264-66 US-PATENT-3,952,083
N76-18642* #	c 44	NASA-CASE-NPO-13464-1 US-PATENT-APPL-SN-428444 US-PATENT-CLASS-123-3 US-PATENT-CLASS-23-281 US-PATENT-CLASS-423-650 US-PATENT-CLASS-48-116 US-PATENT-CLASS-48-117 US-PATENT-CLASS-48-63 US-PATENT-CLASS-48-75 US-PATENT-CLASS-48-95 US-PATENT-3,920,416	N76-21250* #	c 17	NASA-CASE-MS-12593-1 US-PATENT-APPL-SN-419747 US-PATENT-CLASS-325-14 US-PATENT-CLASS-343-100SA US-PATENT-CLASS-343-100ST US-PATENT-CLASS-343-112TC US-PATENT-3,949,400	N76-22377* #	c 27	NASA-CASE-MS-14270-1 US-PATENT-APPL-SN-482104 US-PATENT-CLASS-106-54 US-PATENT-CLASS-427-376 US-PATENT-CLASS-427-379 US-PATENT-CLASS-427-380 US-PATENT-CLASS-427-402 US-PATENT-CLASS-428-332 US-PATENT-CLASS-428-428 US-PATENT-CLASS-428-450 US-PATENT-CLASS-428-538 US-PATENT-CLASS-428-920 US-PATENT-3,953,646
N76-18643* #	c 44	NASA-CASE-NPO-11961-1 US-PATENT-APPL-SN-378126 US-PATENT-CLASS-136-30 US-PATENT-CLASS-136-6LF US-PATENT-CLASS-320-21 US-PATENT-CLASS-320-22 US-PATENT-3,912,999	N76-21275* #	c 20	NASA-CASE-MFS-21311-1 US-PATENT-APPL-SN-493359 US-PATENT-CLASS-244-3 22 US-PATENT-3,948,470	N76-22509* #	c 35	NASA-CASE-LAR-11434-1 US-PATENT-APPL-SN-464722 US-PATENT-CLASS-209-127R US-PATENT-CLASS-317-246 US-PATENT-CLASS-324-61R US-PATENT-CLASS-324-71CP US-PATENT-3,953,792
N76-18800* #	c 60	NASA-CASE-NPO-13067-1 US-PATENT-APPL-SN-274348 US-PATENT-CLASS-340-172 5 US-PATENT-3,829,839	N76-21365* #	c 32	NASA-CASE-NPO-13568-1 US-PATENT-APPL-SN-534265 US-PATENT-CLASS-343-761 US-PATENT-CLASS-343-781 US-PATENT-CLASS-343-786 US-PATENT-3,949,404	N76-22540* #	c 37	NASA-CASE-MFS-22636-1 US-PATENT-APPL-SN-536762 US-PATENT-CLASS-114-16 6 US-PATENT-CLASS-244-137P US-PATENT-CLASS-244-158 US-PATENT-CLASS-244-161 US-PATENT-3,952,976
N76-18913* #	c 74	NASA-CASE-GSC-11877-1 US-PATENT-APPL-SN-482953 US-PATENT-CLASS-235-184 US-PATENT-CLASS-250-199 US-PATENT-3,937,945	N76-21366* #	c 32	NASA-CASE-MFS-22729-1 US-PATENT-APPL-SN-533608 US-PATENT-CLASS-235-156 US-PATENT-CLASS-325-42 US-PATENT-CLASS-333-18 US-PATENT-3,949,206	N76-22541* #	c 37	NASA-CASE-LEW-11676-1 US-PATENT-APPL-SN-551184 US-PATENT-CLASS-277-4 US-PATENT-CLASS-277-41 US-PATENT-CLASS-277-74 US-PATENT-CLASS-277-93R US-PATENT-3,953,038
N76-19338* #	c 33	NASA-CASE-NPO-13519-1 US-PATENT-APPL-SN-536761 US-PATENT-CLASS-128-2S US-PATENT-CLASS-33-155R US-PATENT-CLASS-33-174D	N76-21390* #	c 33	NASA-CASE-ARC-10711-2 US-PATENT-APPL-SN-493363 US-PATENT-APPL-SN-596788 US-PATENT-CLASS-317-246 US-PATENT-CLASS-73-398C US-PATENT-3,948,102			

N76-22657* #	c 44	NASA-CASE-MFS-22743-1 US-PATENT-APPL-SN-518684 US-PATENT-CLASS-126-271 US-PATENT-3,951,129	US-PATENT-CLASS-126-271 US-PATENT-CLASS-350-293 US-PATENT-CLASS-350-299 US-PATENT-3,958,553	US-PATENT-CLASS-427-248 US-PATENT-CLASS-427-249 US-PATENT-CLASS-427-250 US-PATENT-CLASS-427-86 US-PATENT-3,961,997
N76-22914* #	c 54	NASA-CASE-GSC-12082-1 US-PATENT-APPL-SN-676958	NASA-CASE-MSC-14733-1 NASA-CASE-MSC-14735-1	N76-29217* # c 05 NASA-CASE-ARC-10470-3 US-PATENT-APPL-SN-206279 US-PATENT-APPL-SN-321180 US-PATENT-APPL-SN-496779 US-PATENT-CLASS-244-46 US-PATENT-3,971,535
N76-22993* #	c 74	NASA-CASE-ARC-10932-1 US-PATENT-APPL-SN-681001	US-PATENT-APPL-SN-522971 US-PATENT-CLASS-128-142.2 US-PATENT-CLASS-128-203 US-PATENT-CLASS-137-DIG 9 US-PATENT-CLASS-137-110 US-PATENT-3,952,590	N76-29347* # c 17 NASA-CASE-ARC-10849-1 US-PATENT-APPL-SN-563049 US-PATENT-CLASS-340-189M US-PATENT-CLASS-340-206 US-PATENT-CLASS-73-493 US-PATENT-CLASS-73-517R US-PATENT-3,972,038
N76-23273* #	c 09	NASA-CASE-MFS-23099-1 US-PATENT-APPL-SN-607969 US-PATENT-CLASS-73-147 US-PATENT-3,952,590	US-PATENT-CLASS-156-612 US-PATENT-CLASS-156-613 US-PATENT-CLASS-252-62 3 US-PATENT-CLASS-423-345 US-PATENT-CLASS-423-346 US-PATENT-3,956,032	N76-29379* # c 25 NASA-CASE-LEW-11390-3 US-PATENT-APPL-SN-247434 US-PATENT-APPL-SN-380046 US-PATENT-CLASS-176-11 US-PATENT-CLASS-176-14 US-PATENT-CLASS-176-16 US-PATENT-CLASS-250-400 US-PATENT-CLASS-250-429 US-PATENT-CLASS-250-492R US-PATENT-3,971,697
N76-23426* #	c 27	NASA-CASE-MSC-14270-2 US-PATENT-APPL-SN-482105 US-PATENT-CLASS-106-54 US-PATENT-CLASS-427-376 US-PATENT-CLASS-427-379 US-PATENT-CLASS-427-380 US-PATENT-CLASS-427-402 US-PATENT-CLASS-428-332 US-PATENT-CLASS-428-428 US-PATENT-CLASS-428-450 US-PATENT-CLASS-428-538 US-PATENT-CLASS-428-920 US-PATENT-3,955,034	NASA-CASE-LEW-12094-1 US-PATENT-APPL-SN-508784 US-PATENT-CLASS-148-175 US-PATENT-CLASS-156-610 US-PATENT-CLASS-156-612 US-PATENT-CLASS-156-613 US-PATENT-CLASS-252-62 3 US-PATENT-CLASS-423-345 US-PATENT-CLASS-423-346 US-PATENT-3,956,032	N76-29551* # c 35 NASA-CASE-ARC-10907-1 US-PATENT-APPL-SN-559845 US-PATENT-CLASS-250-340 US-PATENT-CLASS-250-353 US-PATENT-3,971,940
N76-23570* #	c 37	NASA-CASE-LEW-11169-1 US-PATENT-APPL-SN-446568 US-PATENT-CLASS-164-132 US-PATENT-3,957,104	NASA-CASE-LAR-11476-1 US-PATENT-APPL-SN-592159 US-PATENT-CLASS-73-557 US-PATENT-3,964,319	N76-29552* # c 35 NASA-CASE-MSC-12617-1 US-PATENT-APPL-SN-513576 US-PATENT-CLASS-235-61NV US-PATENT-CLASS-235-78M US-PATENT-CLASS-235-88M US-PATENT-3,971,915
N76-23675* #	c 44	NASA-CASE-MFS-21628-2 US-PATENT-APPL-SN-421702 US-PATENT-APPL-SN-561020 US-PATENT-CLASS-126-270 US-PATENT-CLASS-165-133 US-PATENT-3,957,030	US-PATENT-CLASS-244-79 US-PATENT-CLASS-74-5 34 US-PATENT-3,739,646	N76-29575* # c 36 NASA-CASE-NPO-13346-1 US-PATENT-APPL-SN-533556 US-PATENT-CLASS-330-4 3 US-PATENT-CLASS-331-94 5C US-PATENT-3,972,008
N76-23850* #	c 60	NASA-CASE-MSC-14082-1 US-PATENT-APPL-SN-315070 US-PATENT-CLASS-340-347DD US-PATENT-CLASS-340-347P US-PATENT-3,958,238	NASA-CASE-LAR-11476-1 US-PATENT-APPL-SN-592159 US-PATENT-CLASS-73-557 US-PATENT-3,964,319	N76-29588* # c 37 NASA-CASE-LEW-11949-1 US-PATENT-APPL-SN-590182 US-PATENT-CLASS-308-160 US-PATENT-CLASS-308-163 US-PATENT-CLASS-308-170 US-PATENT-3,971,602
N76-24280* #	c 09	NASA-CASE-ARC-10808-1 US-PATENT-APPL-SN-505881 US-PATENT-CLASS-178-DIG 35 US-PATENT-CLASS-178-7 89 US-PATENT-CLASS-35-12N US-PATENT-3,956,833	NASA-CASE-LAR-11476-1 US-PATENT-APPL-SN-592159 US-PATENT-CLASS-73-557 US-PATENT-3,964,319	N76-29590* # c 37 NASA-CASE-NPO-13613-1 US-PATENT-APPL-SN-574208 US-PATENT-CLASS-62-6 US-PATENT-3,971,230
N76-24363* #	c 24	NASA-CASE-GSC-11786-1 US-PATENT-APPL-SN-401919 US-PATENT-CLASS-106-306 US-PATENT-CLASS-250-372 US-PATENT-CLASS-252-300 US-PATENT-CLASS-350-1 US-PATENT-3,957,675	NASA-CASE-HQN-10876-1 US-PATENT-APPL-SN-555336 US-PATENT-CLASS-250-336 US-PATENT-CLASS-250-372 US-PATENT-3,965,354	N76-29699* # c 44 NASA-CASE-HQN-10862-1 US-PATENT-APPL-SN-604374 US-PATENT-CLASS-136-143 US-PATENT-CLASS-136-30 US-PATENT-3,972,727
N76-24405* #	c 27	NASA-CASE-MSC-14331-1 US-PATENT-APPL-SN-374421 US-PATENT-CLASS-106-15FP US-PATENT-CLASS-260-DIG 24 US-PATENT-CLASS-260-33 8F US-PATENT-CLASS-260-45 7 US-PATENT-CLASS-260-92 1 US-PATENT-CLASS-526-1 US-PATENT-CLASS-526-255 US-PATENT-3,956,233	NASA-CASE-NPO-13391-1 US-PATENT-APPL-SN-446567 US-PATENT-CLASS-165-105 US-PATENT-CLASS-29-182 US-PATENT-CLASS-29-193 US-PATENT-CLASS-55-523 US-PATENT-CLASS-55-526 US-PATENT-CLASS-75-225 US-PATENT-3,964,902	N76-29700* # c 44 NASA-CASE-NPO-13342-2 US-PATENT-APPL-SN-390049 US-PATENT-APPL-SN-548559 US-PATENT-CLASS-123-1A US-PATENT-CLASS-123-3 US-PATENT-CLASS-23-281 US-PATENT-CLASS-423-650 US-PATENT-CLASS-48-215 US-PATENT-CLASS-48-95 US-PATENT-3,955,941
N76-24523* #	c 35	NASA-CASE-LAR-11500-1 US-PATENT-APPL-SN-534266 US-PATENT-CLASS-73-1B US-PATENT-CLASS-73-15 6 US-PATENT-3,956,919	NASA-CASE-ARC-10755-2 US-PATENT-APPL-SN-424013 US-PATENT-APPL-SN-545284 US-PATENT-CLASS-73-147 US-PATENT-CLASS-73-189 US-PATENT-CLASS-73-194R US-PATENT-3,964,306	N76-29701* # c 44 NASA-CASE-NPO-13567-1 US-PATENT-APPL-SN-566493 US-PATENT-CLASS-417-141 US-PATENT-CLASS-417-207 US-PATENT-CLASS-417-209 US-PATENT-CLASS-417-379 US-PATENT-CLASS-60-517 US-PATENT-CLASS-62-6 US-PATENT-3,972,651
N76-24524* #	c 35	NASA-CASE-NPO-13462-1 US-PATENT-APPL-SN-545282 US-PATENT-CLASS-73-189 US-PATENT-CLASS-73-204 US-PATENT-3,956,932	NASA-CASE-LAR-11709-1 US-PATENT-APPL-SN-548468 US-PATENT-CLASS-339-17M US-PATENT-CLASS-339-18C US-PATENT-3,964,813	N76-29704* # c 44 NASA-CASE-NPO-13464-2 US-PATENT-APPL-SN-428444 US-PATENT-APPL-SN-553687 US-PATENT-CLASS-252-373 US-PATENT-CLASS-42-215 US-PATENT-CLASS-423-650 US-PATENT-CLASS-431-163 US-PATENT-CLASS-431-210 US-PATENT-CLASS-431-4 US-PATENT-CLASS-48-197R US-PATENT-3,971,847
N76-24525* #	c 35	NASA-CASE-ARC-10816-1 US-PATENT-APPL-SN-552454 US-PATENT-CLASS-128-DIG 4 US-PATENT-CLASS-128-2 05V US-PATENT-CLASS-128-2 1E US-PATENT-CLASS-128-2 1Z US-PATENT-3,957,037	NASA-CASE-NPO-12142-1 US-PATENT-APPL-SN-637249 US-PATENT-CLASS-73-88 5 US-PATENT-3,545,262	N76-29891* # c 51 NASA-CASE-GSC-11917-2 US-PATENT-APPL-SN-475337 US-PATENT-APPL-SN-555641 US-PATENT-CLASS-195-103 5R US-PATENT-3,971,703
N76-24553* #	c 36	NASA-CASE-NPO-13531-1 US-PATENT-APPL-SN-531565 US-PATENT-CLASS-331-94 5C US-PATENT-CLASS-350-96WG US-PATENT-3,956,188	NASA-CASE-GSC-12022-1 NASA-CASE-GSC-12023-1 US-PATENT-APPL-SN-576488 US-PATENT-CLASS-136-89 US-PATENT-CLASS-148-174 US-PATENT-CLASS-148-175 US-PATENT-CLASS-156-612 US-PATENT-CLASS-156-613 US-PATENT-CLASS-156-614 US-PATENT-CLASS-29-572 US-PATENT-CLASS-357-30 US-PATENT-CLASS-357-59 US-PATENT-CLASS-427-113	N76-29894* # c 52 NASA-CASE-ARC-10583-1 US-PATENT-APPL-SN-301418
N76-24575* #	c 37	NASA-CASE-LAR-10073-1 US-PATENT-APPL-SN-436317 US-PATENT-CLASS-156-242 US-PATENT-CLASS-156-286 US-PATENT-CLASS-264-102 US-PATENT-CLASS-264-267 US-PATENT-CLASS-428-117 US-PATENT-3,956,050	NASA-CASE-MSC-23059-1 US-PATENT-APPL-SN-537024 US-PATENT-CLASS-136-86A US-PATENT-3,964,928	
N76-24696* #	c 44	NASA-CASE-MFS-22744-1 US-PATENT-APPL-SN-518544 US-PATENT-CLASS-126-270		

	US-PATENT-CLASS-128-2.1A		US-PATENT-CLASS-136-89		US-PATENT-CLASS-323-22T
	US-PATENT-CLASS-128-2H		US-PATENT-3,966,499		US-PATENT-CLASS-323-23
	US-PATENT-CLASS-128-2P	N76-31667* # c 44	NASA-CASE-MFS-23167-1		US-PATENT-3,984,799
N76-29895* # c 52	US-PATENT-3,971,362		US-PATENT-APPL-SN-602618	N77-10429* # c 33	NASA-CASE-GSC-11963-1
	NASA-CASE-NPO-13644-1		US-PATENT-CLASS-165-10		US-PATENT-APPL-SN-595197
	US-PATENT-APPL-SN-574218		US-PATENT-CLASS-60-659		US-PATENT-CLASS-244-1A
	US-PATENT-CLASS-128-2 05R	N76-31714* # c 45	US-PATENT-3,977,197		US-PATENT-CLASS-244-42CG
	US-PATENT-CLASS-128-2S		NASA-CASE-LAR-11405-1		US-PATENT-CLASS-317-2D
	US-PATENT-CLASS-338-6		US-PATENT-APPL-SN-537480		US-PATENT-CLASS-324-72
N76-29896* # c 52	US-PATENT-3,971,363		US-PATENT-CLASS-23-230R	N77-10463* # c 34	US-PATENT-3,984,730
	NASA-CASE-NPO-13643-1		US-PATENT-CLASS-23-232E		NASA-CASE-MFS-22991-1
	US-PATENT-APPL-SN-578241		US-PATENT-CLASS-23-232R		US-PATENT-APPL-SN-521006
	US-PATENT-CLASS-128-2 05E	N76-31946* # c 62	US-PATENT-3,977,831		US-PATENT-CLASS-165-164
	US-PATENT-CLASS-128-2 06E		NASA-CASE-GSC-12115-1		US-PATENT-CLASS-165-170
	US-PATENT-CLASS-128-2S		US-PATENT-APPL-SN-262596	N77-10492* # c 35	US-PATENT-3,983,933
	US-PATENT-CLASS-128-418		US-PATENT-CLASS-340-3475Y		NASA-CASE-NPO-13479-1
	US-PATENT-CLASS-128-419P	N76-31998* # c 74	US-PATENT-3,976,997		US-PATENT-APPL-SN-500981
	US-PATENT-CLASS-73-398AR		NASA-CASE-MSC-12640-1		US-PATENT-CLASS-250-290
	US-PATENT-3,971,364		US-PATENT-APPL-SN-591568		US-PATENT-CLASS-250-291
N76-30053* # c 74	NASA-CASE-GSC-11782-1		US-PATENT-CLASS-350-162SF	N77-10493* # c 35	US-PATENT-3,984,681
	US-PATENT-APPL-SN-463925		US-PATENT-3,977,771		NASA-CASE-MFS-23178-1
	US-PATENT-CLASS-250-199	N76-32140* # c 03	NASA-CASE-MFS-16609-3		US-PATENT-APPL-SN-637247
	US-PATENT-3,971,930		US-PATENT-APPL-SN-307714		US-PATENT-CLASS-250-338
N76-30131* # c 91	NASA-CASE-MSC-12423-1		US-PATENT-APPL-SN-511894		US-PATENT-CLASS-250-339
	US-PATENT-APPL-SN-448320		US-PATENT-APPL-SN-82279		US-PATENT-CLASS-250-347
	US-PATENT-CLASS-73-170R		US-PATENT-CLASS-325-114		US-PATENT-CLASS-356-106R
	US-PATENT-CLASS-73-425 2		US-PATENT-CLASS-325-115	N77-10584* # c 43	US-PATENT-3,984,686
	US-PATENT-CLASS-73-432R		US-PATENT-CLASS-325-186		NASA-CASE-MSC-14472-2
	US-PATENT-3,971,256		US-PATENT-CLASS-343-705		US-PATENT-APPL-SN-502138
N76-30793* # c 52	US-PATENT-APPL-SN-452768	N76-32315* # c 27	US-PATENT-3,978,410		US-PATENT-CLASS-235-181
	US-PATENT-CLASS-351-23		NASA-CASE-ARC-10592-2		US-PATENT-CLASS-340-146 3P
	US-PATENT-CLASS-351-30		US-PATENT-APPL-SN-414043		US-PATENT-CLASS-340-146 3Q
	US-PATENT-CLASS-351-36		US-PATENT-CLASS-260-240G	N77-10635* # c 44	US-PATENT-3,984,671
	US-PATENT-RE-28,921		US-PATENT-CLASS-260-566B		NASA-CASE-MFS-22458-1
N76-31365* # c 31	NASA-CASE-ARC-10445-1	N76-32457* # c 33	US-PATENT-3,965,096		US-PATENT-APPL-SN-571458
	US-PATENT-APPL-SN-491418		NASA-CASE-NPO-13553-1		US-PATENT-CLASS-136-89
	US-PATENT-CLASS-313-250		US-PATENT-APPL-SN-616333		US-PATENT-CLASS-29-572
	US-PATENT-CLASS-313-306		US-PATENT-CLASS-343-882	N77-10636* # c 44	US-PATENT-3,984,256
	US-PATENT-CLASS-313-309		US-PATENT-CLASS-343-915		NASA-CASE-NPO-13560-1
	US-PATENT-CLASS-313-338		US-PATENT-3,978,490		NASA-CASE-NPO-13561-1
	US-PATENT-3,978,364	N76-33835* # c 52	NASA-CASE-ARC-10994-1		US-PATENT-APPL-SN-487156
N76-31372* # c 32	NASA-CASE-NPO-13465-1		US-PATENT-APPL-SN-728369		US-PATENT-CLASS-123-3
	US-PATENT-APPL-SN-531575	N77-10001* # c 02	NASA-CASE-LAR-11645-1		US-PATENT-CLASS-23-281
	US-PATENT-CLASS-179-1SA		US-PATENT-APPL-SN-473973		US-PATENT-CLASS-252-373
	US-PATENT-3,978,287		US-PATENT-CLASS-244-113		US-PATENT-CLASS-423-650
N76-31409* # c 33	NASA-CASE-NPO-12134-1		US-PATENT-CLASS-244-130		US-PATENT-CLASS-431-11
	US-PATENT-APPL-SN-536785		US-PATENT-3,984,070		US-PATENT-CLASS-431-116
	US-PATENT-CLASS-313-94	N77-10071* # c 09	NASA-CASE-NPO-13528-1		US-PATENT-CLASS-431-162
	US-PATENT-CLASS-357-63		US-PATENT-APPL-SN-521620		US-PATENT-CLASS-431-170
	US-PATENT-3,978,360		US-PATENT-CLASS-73-147		US-PATENT-CLASS-431-41
N76-31489* # c 35	NASA-CASE-GSC-11893-1	N77-10112* # c 15	US-PATENT-3,983,749		US-PATENT-CLASS-48-116
	US-PATENT-APPL-SN-585420		NASA-CASE-MFS-20855-1		US-PATENT-CLASS-48-117
	US-PATENT-CLASS-73-9		US-PATENT-APPL-SN-243374		US-PATENT-CLASS-48-197R
	US-PATENT-3,977,231		US-PATENT-CLASS-244-1SD		US-PATENT-CLASS-48-212
N76-31490* # c 35	NASA-CASE-NPO-13604-1	N77-10113* # c 15	US-PATENT-3,744,739		US-PATENT-CLASS-48-216
	US-PATENT-APPL-SN-574219		NASA-CASE-MFS-22787-1	N77-10753* # c 47	US-PATENT-3,982,910
	US-PATENT-CLASS-356-106S		US-PATENT-APPL-SN-511346		NASA-CASE-MFS-23362-1
	US-PATENT-CLASS-356-114		US-PATENT-CLASS-244-169		US-PATENT-APPL-SN-637268
	US-PATENT-CLASS-356-209		US-PATENT-CLASS-244-171		US-PATENT-CLASS-250-338
	US-PATENT-CLASS-356-244		US-PATENT-CLASS-244-3 21		US-PATENT-CLASS-250-339
	US-PATENT-3,977,787	N77-10148* # c 20	US-PATENT-3,984,072		US-PATENT-CLASS-250-347
N76-31512* # c 36	NASA-CASE-NPO-13490-1		NASA-CASE-LEW-12082-1		US-PATENT-CLASS-356-106R
	US-PATENT-APPL-SN-549418		US-PATENT-APPL-SN-612964		US-PATENT-3,984,685
	US-PATENT-CLASS-330-4	N77-10780* # c 52	US-PATENT-CLASS-313-231 4		NASA-CASE-ARC-10855-1
	US-PATENT-CLASS-331-94		US-PATENT-CLASS-313-240		US-PATENT-APPL-SN-617612
	US-PATENT-3,978,417		US-PATENT-CLASS-313-361		US-PATENT-CLASS-128-2H
N76-31524* # c 37	NASA-CASE-NPO-13535-1		US-PATENT-CLASS-315-111 3		US-PATENT-CLASS-73-343R
	US-PATENT-APPL-SN-563050		US-PATENT-CLASS-60-202	N77-10899* # c 74	US-PATENT-3,983,753
	US-PATENT-CLASS-264-129		US-PATENT-3,983,695		NASA-CASE-MSC-19442-1
	US-PATENT-CLASS-264-161	N77-10213* # c 28	NASA-CASE-LAR-11995-1		US-PATENT-APPL-SN-558600
	US-PATENT-CLASS-264-219		US-PATENT-APPL-SN-238826		US-PATENT-CLASS-356-237
	US-PATENT-CLASS-264-304		US-PATENT-CLASS-102-99		US-PATENT-CLASS-356-239
	US-PATENT-CLASS-264-305		US-PATENT-CLASS-264-3R	N77-11397* # c 37	US-PATENT-3,985,454
	US-PATENT-CLASS-264-308		US-PATENT-CLASS-86-1R		NASA-CASE-LAR-11549-1
	US-PATENT-CLASS-264-310		US-PATENT-3,983,780		US-PATENT-APPL-SN-537979
	US-PATENT-CLASS-264-318	N77-10229* # c 31	NASA-CASE-NPO-13459-1		US-PATENT-CLASS-219-118
	US-PATENT-CLASS-264-334		US-PATENT-APPL-SN-598967		US-PATENT-CLASS-219-92
	US-PATENT-CLASS-427-230		US-PATENT-CLASS-62-217		US-PATENT-3,988,561
	US-PATENT-3,978,187		US-PATENT-CLASS-62-514JT	N77-12239* # c 32	US-PATENT-12506-1
N76-31562* # c 39	NASA-CASE-MSC-19372-1	N77-10392* # c 32	US-PATENT-3,983,714		NASA-CASE-MSC-12506-1
	US-PATENT-APPL-SN-517995		NASA-CASE-LAR-11827-1		US-PATENT-APPL-SN-545283
	US-PATENT-CLASS-182-178		US-PATENT-APPL-SN-412379		US-PATENT-CLASS-340-347DD
	US-PATENT-CLASS-29-467		US-PATENT-APPL-SN-561764	N77-12240* # c 32	US-PATENT-3,988,729
	US-PATENT-CLASS-29-526		US-PATENT-CLASS-178-88		NASA-CASE-NPO-13543-1
	US-PATENT-CLASS-52-236		US-PATENT-CLASS-235-150 1		NASA-CASE-NPO-13545-1
	US-PATENT-CLASS-52-637		US-PATENT-CLASS-235-156		US-PATENT-APPL-SN-589173
	US-PATENT-CLASS-52-648		US-PATENT-CLASS-325-323		US-PATENT-CLASS-325-41
	US-PATENT-CLASS-52-651		US-PATENT-CLASS-325-349		US-PATENT-CLASS-340-146 1A
	US-PATENT-CLASS-52-726		US-PATENT-CLASS-325-476		US-PATENT-CLASS-340-146 1A
	US-PATENT-CLASS-52-745	N77-10428* # c 33	US-PATENT-3,984,634		US-PATENT-3,988,677
	US-PATENT-CLASS-52-749		NASA-CASE-NPO-13512-1	N77-12402* # c 37	US-PATENT-3,988,677
	US-PATENT-3,977,147		US-PATENT-APPL-SN-533734		NASA-CASE-MFS-23062-1
N76-31666* # c 44	NASA-CASE-NPO-13087-2		US-PATENT-CLASS-301-19		US-PATENT-APPL-SN-591569
	US-PATENT-APPL-SN-296622		US-PATENT-CLASS-321-2		US-PATENT-CLASS-60-527
	US-PATENT-APPL-SN-462341		US-PATENT-CLASS-323-DIG 1	N77-12721* # c 60	US-PATENT-3,987,630
	US-PATENT-CLASS-136-206		US-PATENT-CLASS-323-17		NASA-CASE-NPO-13428-1
					NASA-CASE-NPO-13447-1

	US-PATENT-APPL-SN-495022		US-PATENT-CLASS-242-204		US-PATENT-CLASS-360-25
	US-PATENT-CLASS-179-15BA		US-PATENT-CLASS-242-210		US-PATENT-CLASS-360-31
	US-PATENT-CLASS-328-111		US-PATENT-CLASS-242-57		US-PATENT-4,003,084
	US-PATENT-CLASS-340-172 5		US-PATENT-3,995,789	N77-17464* #	c 37
N77-13217* #	c 27	N77-14580* #	c 44	NASA-CASE-LEW-11496-1	
	NASA-CASE-NPO-13666-1		US-PATENT-APPL-SN-645508		NASA-CASE-GSC-11978-1
	US-PATENT-APPL-SN-633877		US-PATENT-CLASS-136-89		US-PATENT-APPL-SN-593142
	US-PATENT-CLASS-29-182 5		US-PATENT-CLASS-204-192	N77-17495* #	c 38
	US-PATENT-3,990,860		US-PATENT-3,996,067		US-PATENT-CLASS-308-10
N77-13315* #	c 33	N77-14581* #	c 44	NASA-CASE-LEW-12220-1	US-PATENT-4,000,929
	NASA-CASE-NPO-11515-1		US-PATENT-CLASS-122-20-1		NASA-CASE-GSC-11902-1
	US-PATENT-APPL-SN-139596		US-PATENT-APPL-SN-606891		US-PATENT-APPL-SN-565289
	US-PATENT-CLASS-307-233		US-PATENT-CLASS-320-2		US-PATENT-CLASS-235-92CA
	US-PATENT-CLASS-307-295		US-PATENT-CLASS-429-23		US-PATENT-CLASS-235-92CT
	US-PATENT-CLASS-328-133		US-PATENT-CLASS-429-34		US-PATENT-CLASS-235-92DN
	US-PATENT-3,750,035		US-PATENT-3,996,064	N77-18154* #	c 07
N77-13418* #	c 37	N77-14735* #	c 52	NASA-CASE-MFS-23225-1	US-PATENT-4,001,552
	NASA-CASE-ARC-10905-1		US-PATENT-CLASS-429-34		NASA-CASE-ARC-10761-1
	US-PATENT-APPL-SN-618594		US-PATENT-APPL-SN-612965		US-PATENT-APPL-SN-612899
	US-PATENT-CLASS-219-300		US-PATENT-CLASS-3-1 2		US-PATENT-CLASS-137-15 1
	US-PATENT-CLASS-219-304		US-PATENT-CLASS-3-14		US-PATENT-CLASS-244-53B
	US-PATENT-CLASS-239-171		US-PATENT-3,995,324	N77-18307* #	c 32
	US-PATENT-CLASS-252-359A		NASA-CASE-ARC-11007-1		NASA-CASE-MFS-23303-1
	US-PATENT-3,990,987		US-PATENT-APPL-SN-652948		US-PATENT-APPL-SN-676957
N77-14025* #	c 07	N77-14736* #	c 52	US-PATENT-CLASS-128-2H	US-PATENT-CLASS-333-70R
	NASA-CASE-LEW-12419-1		US-PATENT-CLASS-128-379		US-PATENT-CLASS-333-75
	US-PATENT-APPL-SN-579375		US-PATENT-CLASS-128-400		US-PATENT-CLASS-333-76
	US-PATENT-CLASS-416-153		US-PATENT-CLASS-128-402		US-PATENT-CLASS-333-82B
	US-PATENT-CLASS-416-160		US-PATENT-3,995,621	N77-18382* #	c 34
	US-PATENT-CLASS-416-162		NASA-CASE-ARC-10805-2		US-PATENT-4,007,434
	US-PATENT-CLASS-416-165		US-PATENT-APPL-SN-557430		NASA-CASE-LAR-10805-2
	US-PATENT-CLASS-416-167		US-PATENT-CLASS-250-363R		US-PATENT-APPL-SN-428992
	US-PATENT-CLASS-60-226R		US-PATENT-CLASS-250-444		US-PATENT-APPL-SN-578240
	US-PATENT-3,994,128		US-PATENT-CLASS-250-498		US-PATENT-CLASS-244-117A
N77-14292* #	c 32	N77-14737* #	c 52	US-PATENT-3,996,471	US-PATENT-CLASS-427-160
	NASA-CASE-LAR-11607-1		NASA-CASE-KSC-10849-1		US-PATENT-CLASS-427-322
	US-PATENT-APPL-SN-617895		US-PATENT-APPL-SN-613734		US-PATENT-CLASS-428-35
	US-PATENT-CLASS-325-145		US-PATENT-CLASS-128-418		US-PATENT-CLASS-428-421
	US-PATENT-CLASS-332-22		US-PATENT-CLASS-3-1 1		US-PATENT-CLASS-428-461
	US-PATENT-CLASS-332-23R		US-PATENT-CLASS-339-252R		US-PATENT-CLASS-428-474
	US-PATENT-3,996,532		US-PATENT-3,995,644	N77-18417* #	c 35
N77-14333* #	c 33	N77-14738* #	c 52	NASA-CASE-GSC-11839-1	US-PATENT-4,008,348
	NASA-CASE-GSC-11789-1		US-PATENT-APPL-SN-468614		NASA-CASE-ARC-10898-1
	US-PATENT-APPL-SN-538982		US-PATENT-CLASS-235-152		US-PATENT-APPL-SN-625732
	US-PATENT-CLASS-317-31		US-PATENT-CLASS-250-227		US-PATENT-CLASS-73-12
	US-PATENT-CLASS-321-13		US-PATENT-CLASS-340-172 5		US-PATENT-CLASS-73-432SD
	US-PATENT-3,996,506		US-PATENT-CLASS-350-96R		US-PATENT-CLASS-73-71 6
N77-14334* #	c 33	N77-14751* #	c 60	US-PATENT-3,996,455	US-PATENT-4,007,623
	NASA-CASE-GSC-12018-1		NASA-CASE-ARC-10807-1		NASA-CASE-NPO-13121-1
	US-PATENT-APPL-SN-635531		US-PATENT-APPL-SN-513612		US-PATENT-APPL-SN-294727
	US-PATENT-CLASS-329-122		US-PATENT-CLASS-416-104		US-PATENT-CLASS-310-4R
	US-PATENT-CLASS-329-124		US-PATENT-CLASS-416-138		US-PATENT-CLASS-313-311
	US-PATENT-CLASS-331-23		US-PATENT-CLASS-416-141		US-PATENT-CLASS-346R
	US-PATENT-CLASS-331-36C		US-PATENT-3,999,886	N77-18893* #	c 74
	US-PATENT-CLASS-332-30V		NASA-CASE-LEW-12760-1		US-PATENT-4,008,407
	US-PATENT-3,997,848		US-PATENT-APPL-SN-569925		NASA-CASE-ARC-14683-1
N77-14335* #	c 33	N77-17029* #	c 05	US-PATENT-CLASS-60-226A	US-PATENT-APPL-SN-612967
	NASA-CASE-MFS-22560-1		US-PATENT-CLASS-60-228		US-PATENT-CLASS-358-44
	US-PATENT-APPL-SN-589233		US-PATENT-4,005,574		US-PATENT-4,004,292
	US-PATENT-CLASS-250-214A		NASA-CASE-XLA-1349		NASA-CASE-LAR-11387-2
	US-PATENT-CLASS-330-14		US-PATENT-APPL-SN-256493		US-PATENT-APPL-SN-531647
	US-PATENT-CLASS-330-28		US-PATENT-CLASS-102-49 3		US-PATENT-APPL-SN-623156
	US-PATENT-CLASS-330-59		US-PATENT-CLASS-264-3R		US-PATENT-CLASS-33-356
	US-PATENT-3,996,462		US-PATENT-CLASS-86-1R		US-PATENT-CLASS-73-178R
N77-14406* #	c 35	N77-17059* #	c 07	US-PATENT-CLASS-86-20R	US-PATENT-4,006,631
	NASA-CASE-NPO-13663-1		US-PATENT-4,000,682		NASA-CASE-ARC-10979-1
	US-PATENT-APPL-SN-634205		NASA-CASE-ARC-14428-1		US-PATENT-APPL-SN-608483
	US-PATENT-CLASS-250-289		US-PATENT-APPL-SN-450504		US-PATENT-CLASS-124-6
	US-PATENT-CLASS-250-298		US-PATENT-CLASS-23-230B		US-PATENT-CLASS-244-63
	US-PATENT-3,996,464		US-PATENT-CLASS-23-230M		US-PATENT-3,989,206
N77-14407* #	c 35	N77-17143* #	c 20	US-PATENT-CLASS-23-231	NASA-CASE-LEW-12550-1
	NASA-CASE-LAR-11648-1		US-PATENT-CLASS-23-232C		US-PATENT-APPL-SN-596905
	US-PATENT-APPL-SN-645571		US-PATENT-CLASS-23-232R		US-PATENT-CLASS-416-224
	US-PATENT-CLASS-73-133R		US-PATENT-CLASS-23-254R		US-PATENT-CLASS-416-230
	US-PATENT-3,995,476		US-PATENT-CLASS-55-197		US-PATENT-4,006,999
N77-14408* #	c 35	N77-17161* #	c 23	US-PATENT-CLASS-55-197	NASA-CASE-LEW-12619-1
	NASA-CASE-ARC-10448-3		US-PATENT-CLASS-55-72 1		US-PATENT-APPL-SN-462424
	US-PATENT-APPL-SN-221670		US-PATENT-CLASS-55-74		US-PATENT-CLASS-204-16
	US-PATENT-APPL-SN-318848		US-PATENT-CLASS-73-23 1		US-PATENT-CLASS-204-40
	US-PATENT-CLASS-250-396		US-PATENT-CLASS-73-61 1C		US-PATENT-CLASS-204-9
	US-PATENT-3,996,468		US-PATENT-4,003,257		US-PATENT-CLASS-29-527 2
N77-14409* #	c 35	N77-17351* #	c 33	NASA-CASE-MFS-23181-1	US-PATENT-3,989,602
	NASA-CASE-NPO-13540-1		US-PATENT-APPL-SN-566495		NASA-CASE-ARC-10912-1
	US-PATENT-APPL-SN-526450		US-PATENT-CLASS-331-114		US-PATENT-APPL-SN-623187
	US-PATENT-CLASS-136-232		US-PATENT-CLASS-331-177V		US-PATENT-CLASS-62-100
	US-PATENT-CLASS-136-233		US-PATENT-CLASS-332-18		US-PATENT-CLASS-62-121
	US-PATENT-3,996,070		US-PATENT-CLASS-332-30V		US-PATENT-CLASS-62-269
N77-14411* #	c 35	N77-17354* #	c 33	US-PATENT-4,003,004	US-PATENT-CLASS-62-315
	NASA-CASE-NPO-13683-1		NASA-CASE-LEW-11881-1		US-PATENT-4,007,601
	US-PATENT-APPL-SN-599284		US-PATENT-APPL-SN-598968		NASA-CASE-MSC-14653-1
	US-PATENT-CLASS-250-343		US-PATENT-CLASS-307-229		US-PATENT-APPL-SN-521816
	US-PATENT-CLASS-356-201		US-PATENT-CLASS-307-230		US-PATENT-CLASS-177-1
	US-PATENT-CLASS-356-204		US-PATENT-CLASS-328-161		US-PATENT-CLASS-177-208
	US-PATENT-CLASS-356-97		US-PATENT-4,001,602		US-PATENT-CLASS-73-432R
	US-PATENT-3,995,960		NASA-CASE-MFS-22671-2		US-PATENT-3,988,933
N77-14477* #	c 37	N77-17426* #	c 35	US-PATENT-APPL-SN-419831	NASA-CASE-XNP-04167-3
	NASA-CASE-FRC-10081-1		US-PATENT-APPL-SN-561956		US-PATENT-APPL-SN-170544
	US-PATENT-APPL-SN-598504				US-PATENT-APPL-SN-479357
	US-PATENT-CLASS-280-432				US-PATENT-CLASS-331-94 5D
	US-PATENT-3,995,877				US-PATENT-CLASS-331-94 5G
N77-14478* #	c 37				US-PATENT-CLASS-331-94 5PE
	NASA-CASE-LAR-11658-1				US-PATENT-4,007,430
	US-PATENT-APPL-SN-625759				
	US-PATENT-CLASS-83-451				
	US-PATENT-CLASS-83-467R				
	US-PATENT-3,995,522				
N77-14479* #	c 37				
	NASA-CASE-GSC-11960-1				
	US-PATENT-APPL-SN-629456				
	US-PATENT-CLASS-242-187				
	US-PATENT-CLASS-242-193				

N77-19457* #	c 37	NASA-CASE-MFS-15218-1 US-PATENT-APPL-SN-387094 US-PATENT-CLASS-197-188 US-PATENT-CLASS-197-190 US-PATENT-3,989,136	US-PATENT-APPL-SN-385059 US-PATENT-CLASS-313-161 US-PATENT-CLASS-313-184 US-PATENT-CLASS-313-224 US-PATENT-CLASS-313-32 US-PATENT-CLASS-315-344 US-PATENT-3,881,132	N77-23106* #	c 07	NASA-CASE-LEW-12830-1 US-PATENT-APPL-SN-596641 US-PATENT-APPL-SN-655149 US-PATENT-CLASS-123-122E US-PATENT-CLASS-123-41 33 US-PATENT-CLASS-137-101 US-PATENT-CLASS-415-180 US-PATENT-CLASS-60-39 03 US-PATENT-CLASS-60-39 28F US-PATENT-CLASS-60-39 66 US-PATENT-4,020,632		
N77-19458* #	c 37	NASA-CASE-GSC-11883-1 NASA-CASE-GSC-11974-1 NASA-CASE-GSC-11975-1 US-PATENT-APPL-SN-596787 US-PATENT-CLASS-310-4A US-PATENT-CLASS-337-334 US-PATENT-CLASS-340-224 US-PATENT-CLASS-60-527 US-PATENT-CLASS-75-122 7 US-PATENT-CLASS-75-170 US-PATENT-4,010,455	N77-21316* #	c 33	NASA-CASE-NPO-10790-1 US-PATENT-APPL-SN-841278 US-PATENT-CLASS-313-175 US-PATENT-CLASS-313-180 US-PATENT-CLASS-313-184 US-PATENT-CLASS-315-108 US-PATENT-CLASS-315-110 US-PATENT-3,621,330	N77-23482* #	c 37	NASA-CASE-LAR-11563-1 US-PATENT-APPL-SN-672815 US-PATENT-CLASS-29-DIG 35 US-PATENT-CLASS-29-447 US-PATENT-CLASS-403-273 US-PATENT-CLASS-53-9 US-PATENT-4,017,959
N77-19571* #	c 44	NASA-CASE-LEW-11549-1 US-PATENT-APPL-SN-510677 US-PATENT-CLASS-136-89 US-PATENT-3,989,541	N77-21392* #	c 35	NASA-CASE-NPO-10711-1 US-PATENT-APPL-SN-844315 US-PATENT-CLASS-179-100 2C US-PATENT-3,697,705	N77-23483* #	c 37	NASA-CASE-MFS-23088-1 US-PATENT-APPL-SN-602617 US-PATENT-CLASS-213-81 US-PATENT-CLASS-214-1CM US-PATENT-CLASS-244-161 US-PATENT-4,018,409
N77-19760* #	c 60	NASA-CASE-ARC-10899-1 US-PATENT-APPL-SN-576774 US-PATENT-CLASS-178-69 5R US-PATENT-CLASS-179-15BS US-PATENT-CLASS-340-172.5 US-PATENT-3,990,049	N77-21393* #	c 35	NASA-CASE-NPO-10619-1 US-PATENT-APPL-SN-757017 US-PATENT-CLASS-338-25 US-PATENT-3,555,483	N77-24328* #	c 32	NASA-CASE-ARC-10984-1 US-PATENT-APPL-SN-690815 US-PATENT-CLASS-358-133 US-PATENT-CLASS-358-138 US-PATENT-4,025,950
N77-20162* #	c 20	NASA-CASE-LEW-12048-1 US-PATENT-APPL-SN-665033 US-PATENT-CLASS-313-230 US-PATENT-CLASS-313-231 3 US-PATENT-CLASS-313-360 US-PATENT-CLASS-315-111 3 US-PATENT-CLASS-315-111 6 US-PATENT-CLASS-60-202 US-PATENT-4,011,719	N77-21844* #	c 54	NASA-CASE-MFS-23074-1 US-PATENT-APPL-SN-623188 US-PATENT-CLASS-188-291 US-PATENT-CLASS-254-158 US-PATENT-4,018,423	N77-24329* #	c 32	NASA-CASE-ARC-10984-1 US-PATENT-APPL-SN-690815 US-PATENT-CLASS-358-133 US-PATENT-CLASS-358-138 US-PATENT-4,025,950
N77-20201* #	c 26	NASA-CASE-LEW-12245-1 US-PATENT-APPL-SN-584094 US-PATENT-CLASS-148-12 7N US-PATENT-CLASS-148-162 US-PATENT-CLASS-148-2 US-PATENT-CLASS-148-20 3 US-PATENT-CLASS-148-32 5 US-PATENT-CLASS-75-170 US-PATENT-4,012,237	N77-21941* #	c 74	NASA-CASE-NPO-11429-1 US-PATENT-APPL-SN-95189 US-PATENT-CLASS-240-41 35F US-PATENT-CLASS-240-41R US-PATENT-CLASS-240-46 13 US-PATENT-CLASS-356-236 US-PATENT-3,711,701	N77-24331* #	c 32	NASA-CASE-ARC-10984-1 US-PATENT-APPL-SN-690815 US-PATENT-CLASS-358-133 US-PATENT-CLASS-358-138 US-PATENT-4,025,950
N77-20289* #	c 32	NASA-CASE-NPO-13753-1 US-PATENT-APPL-SN-658449 US-PATENT-CLASS-325-4 US-PATENT-CLASS-343-100ST US-PATENT-CLASS-343-6 BR US-PATENT-CLASS-343-6 5R US-PATENT-4,012,696	N77-22386* #	c 33	NASA-CASE-NPO-10870-1 NASA-CASE-NPO-11191-1 NASA-CASE-NPO-11403-1 US-PATENT-APPL-SN-108810 US-PATENT-CLASS-313-146 US-PATENT-CLASS-313-182 US-PATENT-CLASS-313-60 US-PATENT-3,736,453	N77-24375* #	c 33	NASA-CASE-ARC-10984-1 US-PATENT-APPL-SN-690815 US-PATENT-CLASS-358-133 US-PATENT-CLASS-358-138 US-PATENT-4,025,950
N77-20399* #	c 35	NASA-CASE-ARC-10716-1 US-PATENT-APPL-SN-403695 US-PATENT-CLASS-235-150.2 US-PATENT-CLASS-235-150 25 US-PATENT-CLASS-244-165 US-PATENT-CLASS-244-171 US-PATENT-CLASS-244-3 21 US-PATENT-4,012,018	N77-22449* #	c 35	NASA-CASE-LAR-11825-1 US-PATENT-APPL-SN-632112 US-PATENT-CLASS-73-88R US-PATENT-4,018,085	N77-24423* #	c 34	NASA-CASE-ARC-10984-1 US-PATENT-APPL-SN-690815 US-PATENT-CLASS-358-133 US-PATENT-CLASS-358-138 US-PATENT-4,025,950
N77-20400* #	c 35	NASA-CASE-ARC-10911-1 US-PATENT-APPL-SN-610802 US-PATENT-CLASS-338-28 US-PATENT-CLASS-73-204 US-PATENT-4,011,756	N77-22450* #	c 35	NASA-CASE-MFS-23281-1 US-PATENT-APPL-SN-657995 US-PATENT-CLASS-73-15 6 US-PATENT-CLASS-73-95 US-PATENT-4,018,080	N77-24454* #	c 35	NASA-CASE-ARC-10984-1 US-PATENT-APPL-SN-690815 US-PATENT-CLASS-358-133 US-PATENT-CLASS-358-138 US-PATENT-4,025,950
N77-20401* #	c 35	NASA-CASE-MFS-23267-1 US-PATENT-APPL-SN-653422 US-PATENT-CLASS-126-270 US-PATENT-CLASS-126-271 US-PATENT-CLASS-250-203R US-PATENT-4,011,854	N77-22479* #	c 37	NASA-CASE-NPO-10316-1 US-PATENT-APPL-SN-703107 US-PATENT-CLASS-60-53 US-PATENT-3,478,514	N77-24455* #	c 35	NASA-CASE-ARC-10984-1 US-PATENT-APPL-SN-690815 US-PATENT-CLASS-358-133 US-PATENT-CLASS-358-138 US-PATENT-4,025,950
N77-20882* #	c 74	NASA-CASE-LAR-11782-1 US-PATENT-APPL-SN-608482 US-PATENT-CLASS-350-145 US-PATENT-CLASS-350-174 US-PATENT-4,012,123	N77-22480* #	c 37	NASA-CASE-NPO-13058-1 NASA-CASE-NPO-13096-1 US-PATENT-APPL-SN-403154 US-PATENT-CLASS-214-16 1CB US-PATENT-3,896,955	N77-25499* #	c 36	NASA-CASE-GSC-12077-1 US-PATENT-APPL-SN-635519 US-PATENT-CLASS-65-108 US-PATENT-CLASS-65-59A US-PATENT-CLASS-6554 US-PATENT-CLASS-6564 US-PATENT-4,025,327
N77-21267* #	c 32	NASA-CASE-LAR-11390-1 US-PATENT-APPL-SN-662176 US-PATENT-CLASS-340-5H US-PATENT-CLASS-343-18B US-PATENT-CLASS-343-5CM US-PATENT-CLASS-343-5MM US-PATENT-4,019,179	N77-22482* #	c 37	NASA-CASE-LAR-11825-1 US-PATENT-APPL-SN-632112 US-PATENT-CLASS-73-88R US-PATENT-4,018,085	N77-25501* #	c 36	NASA-CASE-GSC-11571-1 US-PATENT-APPL-SN-646704 US-PATENT-CLASS-331-94 5S US-PATENT-4,025,875
N77-21314* #	c 33	NASA-CASE-NPO-10189-1 NASA-CASE-NPO-10781-1 US-PATENT-APPL-SN-744522 US-PATENT-CLASS-307-232 US-PATENT-CLASS-307-238 US-PATENT-CLASS-307-280 US-PATENT-CLASS-329-119 US-PATENT-CLASS-329-205 US-PATENT-CLASS-332-16 US-PATENT-CLASS-332-30 US-PATENT-CLASS-332-52 US-PATENT-3,582,828	N77-22606* #	c 44	NASA-CASE-LEW-12364-1 US-PATENT-APPL-SN-707124 US-PATENT-CLASS-253-317 US-PATENT-CLASS-429-105 US-PATENT-CLASS-429-107 US-PATENT-CLASS-429-190 US-PATENT-4,018,971	N77-25502* #	c 36	NASA-CASE-ARC-10970-1 US-PATENT-APPL-SN-691046 US-PATENT-CLASS-250-574 US-PATENT-CLASS-350-100 US-PATENT-CLASS-350-102 US-PATENT-CLASS-356-28 US-PATENT-4,026,655
N77-21315* #	c 33	NASA-CASE-NPO-11510-1 US-PATENT-APPL-SN-173178	N77-22607* #	c 44	NASA-CASE-LAR-11361-1 US-PATENT-APPL-SN-669928 US-PATENT-CLASS-23-277R US-PATENT-CLASS-23-281 US-PATENT-CLASS-423-648R US-PATENT-CLASS-55-158 US-PATENT-4,019,868	N77-25769* #	c 51	NASA-CASE-LAR-10773-3 US-PATENT-APPL-SN-125235 US-PATENT-APPL-SN-314656 US-PATENT-APPL-SN-623238 US-PATENT-CLASS-195-1 8 US-PATENT-4,018,649
			N77-22794* #	c 51	NASA-CASE-GSC-12039-1 US-PATENT-APPL-SN-572991 US-PATENT-CLASS-195-103 5K US-PATENT-CLASS-195-103 5R US-PATENT-4,014,745	N77-25772* #	c 52	NASA-CASE-KSC-11030-1 US-PATENT-APPL-SN-709849 US-PATENT-CLASS-128-1R US-PATENT-CLASS-3-1 US-PATENT-CLASS-339,12R US-PATENT-4,025,964
			N77-22950* #	c 74	NASA-CASE-ARC-10976-1 US-PATENT-APPL-SN-665032 US-PATENT-CLASS-356-171 US-PATENT-4,018,533	N77-26385* #	c 33	NASA-CASE-LEW-11978-1 US-PATENT-APPL-SN-708658 US-PATENT-CLASS-204-32A US-PATENT-CLASS-29-597 US-PATENT-CLASS-29-622
			N77-22951* #	c 74	NASA-CASE-NPO-13722-1 US-PATENT-APPL-SN-616472 US-PATENT-CLASS-250-203R US-PATENT-CLASS-250-211K US-PATENT-CLASS-356-141 US-PATENT-CLASS-356-152 US-PATENT-CLASS-356-172 US-PATENT-4,018,532			

N77-32279* #	c 26	NASA-CASE-LEW-12906-1 US-PATENT-APPL-SN-691936 US-PATENT-CLASS-148-32 US-PATENT-CLASS-75-170 US-PATENT-4,045,255	N77-32731* #	c 60	US-PATENT-CLASS-165-166 US-PATENT-CLASS-55-179 US-PATENT-CLASS-55-269 US-PATENT-4,046,529 NASA-CASE-GSC-11839-3 US-PATENT-APPL-SN-468614 US-PATENT-APPL-SN-657997 US-PATENT-CLASS-250-199 US-PATENT-CLASS-340-347AD US-PATENT-CLASS-350-96R US-PATENT-4,045,792	N78-10686* #	c 52	US-PATENT-APPL-SN-680939 US-PATENT-CLASS-126-271 US-PATENT-CLASS-237-1A US-PATENT-CLASS-350-293 US-PATENT-CLASS-350-299 US-PATENT-4,051,834 NASA-CASE-ARC-10916-1 US-PATENT-APPL-SN-701448 US-PATENT-CLASS-3-1 2 US-PATENT-CLASS-3-15 US-PATENT-CLASS-3-29 US-PATENT-4,051,558
N77-32280* #	c 26	NASA-CASE-LEW-12270-1 US-PATENT-APPL-SN-645507 US-PATENT-CLASS-148-32 5 US-PATENT-CLASS-75-170 US-PATENT-4,046,560	N77-32919* #	c 76	NASA-CASE-MFS-23001-1 US-PATENT-APPL-SN-610801 US-PATENT-CLASS-156-DIG 62 US-PATENT-CLASS-156-601 US-PATENT-CLASS-156-619 US-PATENT-CLASS-156-620 US-PATENT-4,046,617	N78-10709* #	c 60	NASA-CASE-GSC-11839-2 US-PATENT-APPL-SN-468614 US-PATENT-APPL-SN-657996 US-PATENT-CLASS-340-173LM US-PATENT-CLASS-350-96R US-PATENT-CLASS-356-169 US-PATENT-4,052,705
N77-32308* #	c 27	NASA-CASE-GSC-12110-1 US-PATENT-APPL-SN-682435 US-PATENT-CLASS-156-645 US-PATENT-CLASS-156-663 US-PATENT-4,046,619	N78-10214* #	c 24	NASA-CASE-LAR-11898-1 US-PATENT-APPL-SN-723264 US-PATENT-CLASS-428-116 US-PATENT-CLASS-428-138 US-PATENT-CLASS-428-73 US-PATENT-CLASS-428-902 US-PATENT-4,052,523	N78-10837* #	c 71	NASA-CASE-NPO-13802-1 US-PATENT-APPL-SN-658133 US-PATENT-CLASS-264-23 US-PATENT-CLASS-264-345 US-PATENT-CLASS-65-DIG 4 US-PATENT-CLASS-65-DIG 7 US-PATENT-CLASS-65-102 US-PATENT-CLASS-65-2 US-PATENT-CLASS-65-32 US-PATENT-CLASS-65-4B US-PATENT-CLASS-65-87 US-PATENT-CLASS-73-505 US-PATENT-4,052,181
N77-32342* #	c 32	NASA-CASE-NPO-13587-1 US-PATENT-APPL-SN-589119 US-PATENT-CLASS-343-10 US-PATENT-CLASS-343-100CL US-PATENT-CLASS-343-5CM US-PATENT-CLASS-343-5DP US-PATENT-4,045,795	N78-10224* #	c 25	NASA-CASE-LEW-12137-1 US-PATENT-APPL-SN-672210 US-PATENT-CLASS-165-105 US-PATENT-CLASS-431-158 US-PATENT-CLASS-431-352 US-PATENT-CLASS-60-39 51R US-PATENT-4,052,144	N78-12390* #	c 35	NASA-CASE-MS-14773-1 US-PATENT-APPL-SN-612966 US-PATENT-CLASS-137-197 US-PATENT-CLASS-210-222 US-PATENT-CLASS-55-100 US-PATENT-CLASS-55-26-9 US-PATENT-CLASS-55-3 US-PATENT-CLASS-62-50 US-PATENT-CLASS-62-514R US-PATENT-4,027,494
N77-32413* #	c 34	NASA-CASE-GSC-11998-1 US-PATENT-APPL-SN-579989 US-PATENT-CLASS-165-105 US-PATENT-4,046,190	N78-10225* #	c 25	NASA-CASE-MS-14831-1 US-PATENT-APPL-SN-685027 US-PATENT-CLASS-204-292 US-PATENT-CLASS-210-63R US-PATENT-CLASS-210-71 US-PATENT-CLASS-252-472 US-PATENT-CLASS-427-229 US-PATENT-4,052,302	N78-10375* #	c 33	NASA-CASE-MS-14916-1 US-PATENT-APPL-SN-739914 US-PATENT-CLASS-179-107R US-PATENT-CLASS-179-175 1A US-PATENT-CLASS-307-306 US-PATENT-4,049,930
N77-32454* #	c 35	NASA-CASE-LEW-12050-1 US-PATENT-APPL-SN-629457 US-PATENT-CLASS-136-202 US-PATENT-CLASS-136-236R US-PATENT-CLASS-136-240 US-PATENT-4,045,247	N78-10376* #	c 33	NASA-CASE-MSC-23280-1 US-PATENT-APPL-SN-706425 US-PATENT-CLASS-318-200 US-PATENT-CLASS-318-227 US-PATENT-CLASS-318-230 US-PATENT-4,052,648	N78-13400* #	c 35	NASA-CASE-ARC-10639-1 US-PATENT-APPL-SN-643043 US-PATENT-CLASS-250-336 US-PATENT-CLASS-250-343 US-PATENT-CLASS-250-351 US-PATENT-4,055,764
N77-32455* #	c 35	NASA-CASE-NPO-13792-1 US-PATENT-APPL-SN-677351 US-PATENT-CLASS-324-57H US-PATENT-CLASS-324-59 US-PATENT-4,045,728	N78-10377* #	c 33	NASA-CASE-NPO-13872-1 US-PATENT-APPL-SN-742034 US-PATENT-CLASS-363-57 US-PATENT-CLASS-363-89 US-PATENT-4,052,659	N78-13436* #	c 37	NASA-CASE-LEW-12083-1 US-PATENT-APPL-SN-659882 US-PATENT-CLASS-250-499 US-PATENT-CLASS-313-61S US-PATENT-CLASS-427-124 US-PATENT-CLASS-427-126 US-PATENT-CLASS-427-248E US-PATENT-CLASS-427-250 US-PATENT-CLASS-427-255 US-PATENT-4,055,686
N77-32456* #	c 35	NASA-CASE-GSC-12143-1 US-PATENT-APPL-SN-743249 US-PATENT-CLASS-250-288 US-PATENT-CLASS-73-421 5R US-PATENT-4,046,012	N78-10428* #	c 35	NASA-CASE-MS-14757-1 US-PATENT-APPL-SN-625734 US-PATENT-CLASS-141-197 US-PATENT-CLASS-141-4 US-PATENT-CLASS-417-225 US-PATENT-CLASS-60-560 US-PATENT-CLASS-60-574 US-PATENT-4,051,877	N78-13526* #	c 44	NASA-CASE-NPO-13482-1 US-PATENT-APPL-SN-495021 US-PATENT-CLASS-136-89SJ US-PATENT-CLASS-357-15 US-PATENT-CLASS-357-16 US-PATENT-CLASS-357-30 US-PATENT-CLASS-4,053,918
N77-32478* #	c 36	NASA-CASE-LEW-12164-1 US-PATENT-APPL-SN-511334 US-PATENT-CLASS-350-162SF US-PATENT-4,043,674	N78-10429* #	c 35	NASA-CASE-NPO-13772-1 US-PATENT-APPL-SN-675351 US-PATENT-CLASS-250-310 US-PATENT-CLASS-250-398 US-PATENT-4,052,614	N78-13874* #	c 74	NASA-CASE-GSC-12088-1 US-PATENT-APPL-SN-648700 US-PATENT-CLASS-356-103 US-PATENT-CLASS-356-104 US-PATENT-4,053,229
N77-32499* #	c 37	NASA-CASE-MS-19535-1 US-PATENT-APPL-SN-641784 US-PATENT-CLASS-292-110 US-PATENT-4,045,063	N78-10467* #	c 37	NASA-CASE-LEW-12321-1 US-PATENT-APPL-SN-596641 US-PATENT-CLASS-123-122E US-PATENT-CLASS-123-41 33 US-PATENT-CLASS-137-104 US-PATENT-CLASS-415-180 US-PATENT-CLASS-60-39 28R US-PATENT-CLASS-60-39 66 US-PATENT-4,041,697	N78-14096* #	c 24	NASA-CASE-ARC-11042-1 US-PATENT-APPL-SN-734902 US-PATENT-CLASS-252-8 1 US-PATENT-CLASS-60-836 US-PATENT-4,061,579
N77-32500* #	c 37	NASA-CASE-LEW-12527-1 US-PATENT-APPL-SN-595747 US-PATENT-CLASS-290-52 US-PATENT-CLASS-308-195 US-PATENT-CLASS-308-72 US-PATENT-4,046,434	N78-10468* #	c 37	NASA-CASE-LEW-12313-1 US-PATENT-APPL-SN-581751 US-PATENT-CLASS-416-135 US-PATENT-CLASS-416-141 US-PATENT-CLASS-416-220R US-PATENT-CLASS-416-248 US-PATENT-4,047,840	N78-14104* #	c 25	NASA-CASE-ARC-10991-1 US-PATENT-APPL-SN-744574 US-PATENT-CLASS-204-180G US-PATENT-CLASS-204-299R US-PATENT-4,061,561
N77-32501* #	c 37	NASA-CASE-LEW-12477-1 US-PATENT-APPL-SN-595745 US-PATENT-CLASS-290-52 US-PATENT-CLASS-308-195 US-PATENT-4,046,435	N78-10493* #	c 39	NASA-CASE-NPO-13731-1 US-PATENT-APPL-SN-653682 US-PATENT-CLASS-73-15 6 US-PATENT-CLASS-73-91 US-PATENT-4,030,348	N78-14164* #	c 27	NASA-CASE-NPO-13867-1 US-PATENT-APPL-SN-692284 US-PATENT-CLASS-260-DIG 15 US-PATENT-CLASS-427-164 US-PATENT-CLASS-428-411 US-PATENT-CLASS-428-522 US-PATENT-CLASS-428-922 US-PATENT-CLASS-96-87A
N77-32551* #	c 44	NASA-CASE-NPO-13510-1 US-PATENT-APPL-SN-536786 US-PATENT-CLASS-126-263 US-PATENT-CLASS-165-107 US-PATENT-CLASS-165-2 US-PATENT-CLASS-62-4 US-PATENT-4,044,821	N78-10529* #	c 43	NASA-CASE-GSC-11976-1 US-PATENT-APPL-SN-677352 US-PATENT-CLASS-324-58 5B US-PATENT-4,052,666			
N77-32582* #	c 44	NASA-CASE-NPO-13810-1 US-PATENT-APPL-SN-681096 US-PATENT-CLASS-126-270 US-PATENT-CLASS-126-271 US-PATENT-CLASS-52-117 US-PATENT-CLASS-60-641 US-PATENT-4,044,753	N78-10554* #	c 44	NASA-CASE-NPO-13734-1			
N77-32583* #	c 44	NASA-CASE-NPO-13736-1 US-PATENT-APPL-SN-681017 US-PATENT-CLASS-350-295 US-PATENT-CLASS-350-320 US-PATENT-CLASS-427-130 US-PATENT-CLASS-427-47 US-PATENT-CLASS-52-2 US-PATENT-4,046,462						
N77-32721* #	c 54	NASA-CASE-ARC-10756-1 US-PATENT-APPL-SN-436313 US-PATENT-CLASS-2-2 1A US-PATENT-CLASS-214-1BC US-PATENT-CLASS-214-1CM US-PATENT-4,046,262						
N77-32722* #	c 54	NASA-CASE-MS-14771-1 US-PATENT-APPL-SN-688854						

N78-14364* #	c 35	US-PATENT-4,061,834 NASA-CASE-ARC-11046-1 US-PATENT-APPL-SN-712419 US-PATENT-CLASS-340-27SS US-PATENT-CLASS-73-180 US-PATENT-4,061,029	N78-15879* #	c 74	US-PATENT-4,062,347 NASA-CASE-LAR-10385-3 US-PATENT-APPL-SN-370999 US-PATENT-APPL-SN-38816 US-PATENT-CLASS-350-1 US-PATENT-CLASS-428-334 US-PATENT-CLASS-428-336 US-PATENT-CLASS-428-428 US-PATENT-4,062,996	N78-17214* #	c 27	US-PATENT-CLASS-260-75NT US-PATENT-CLASS-260-77 5AM US-PATENT-CLASS-260-77 5AN US-PATENT-CLASS-260-77 5AP US-PATENT-CLASS-260-77 5AT US-PATENT-CLASS-260-77 5SP US-PATENT-4,069,212 NASA-CASE-NPO-10557 US-PATENT-APPL-SN-759220 US-PATENT-CLASS-260-67 US-PATENT-3,538,053
N78-14380* #	c 36	NASA-CASE-MFS-19259-1 US-PATENT-APPL-SN-732630 US-PATENT-CLASS-250-571 US-PATENT-CLASS-356-159 US-PATENT-CLASS-356-160 US-PATENT-CLASS-356-199 US-PATENT-4,061,427	N78-15880* #	c 74	NASA-CASE-MFS-22409-2 US-PATENT-APPL-SN-445398 US-PATENT-APPL-SN-636193 US-PATENT-CLASS-250-272 US-PATENT-CLASS-250-320 US-PATENT-4,063,088	N78-17215* #	c 27	NASA-CASE-NPO-13764-1 US-PATENT-APPL-SN-674194 US-PATENT-CLASS-128-92C US-PATENT-CLASS-128-92G US-PATENT-CLASS-260-42 17 US-PATENT-CLASS-3-1 9 US-PATENT-4,064,566
N78-14452* #	c 43	NASA-CASE-LEW-12217-1 US-PATENT-APPL-SN-763753 US-PATENT-CLASS-166-248 US-PATENT-CLASS-166-259 US-PATENT-4,061,190	N78-16369* #	c 37	NASA-CASE-NPO-13619-1 US-PATENT-APPL-SN-572990 US-PATENT-CLASS-185-38 US-PATENT-CLASS-74-81 US-PATENT-CLASS-74-83 US-PATENT-4,062,245	N78-17237* #	c 31	NASA-CASE-LEW-11981-1 US-PATENT-APPL-SN-672220 US-PATENT-CLASS-313-22 US-PATENT-CLASS-62-376 US-PATENT-CLASS-62-514R US-PATENT-4,068,495
N78-14625* #	c 44	NASA-CASE-LEW-12039-1 US-PATENT-APPL-SN-687822 US-PATENT-CLASS-320-15 US-PATENT-CLASS-320-18 US-PATENT-CLASS-320-40 US-PATENT-CLASS-320-6 US-PATENT-4,061,955	N78-16387* #	c 39	NASA-CASE-LAR-11490-1 US-PATENT-APPL-SN-707125 US-PATENT-CLASS-358-106 US-PATENT-4,063,282 NASA-CASE-XNP-01458 US-PATENT-APPL-SN-160093 US-PATENT-CLASS-235-70 US-PATENT-3,229,905	N78-17238* #	c 31	NASA-CASE-NPO-11978 US-PATENT-APPL-SN-264268 US-PATENT-CLASS-313-175 US-PATENT-CLASS-313-176 US-PATENT-CLASS-313-180 US-PATENT-CLASS-313-184 US-PATENT-CLASS-313-224 US-PATENT-3,769,544
N78-14773* #	c 52	NASA-CASE-LEW-12668-1 US-PATENT-APPL-SN-677353 US-PATENT-CLASS-128-305 US-PATENT-4,061,146	N78-17031* #	c 04	US-PATENT-4,063,282 NASA-CASE-XNP-01458 US-PATENT-APPL-SN-160093 US-PATENT-CLASS-235-70 US-PATENT-3,229,905 NASA-CASE-LEW-12317-1 US-PATENT-APPL-SN-581750 US-PATENT-CLASS-60-204 US-PATENT-CLASS-60-226R US-PATENT-CLASS-60-271 US-PATENT-4,068,469	N78-17293* #	c 33	NASA-CASE-XLE-06094 US-PATENT-APPL-SN-523632 US-PATENT-CLASS-315-22 US-PATENT-3,423,627 NASA-CASE-MSC-11235 US-PATENT-APPL-SN-698239 US-PATENT-CLASS-307-270 US-PATENT-CLASS-307-297 US-PATENT-CLASS-323-4 US-PATENT-CLASS-328-172 US-PATENT-3,573,504
N78-14784* #	c 54	NASA-CASE-MSC-14632-1 US-PATENT-APPL-SN-571459 US-PATENT-CLASS-204-180P US-PATENT-CLASS-204-301 US-PATENT-CLASS-210-192 US-PATENT-CLASS-210-96M US-PATENT-CLASS-23-253A US-PATENT-4,061,570	N78-17055* #	c 07	NASA-CASE-LEW-12390-1 US-PATENT-APPL-SN-522109 US-PATENT-CLASS-60-226R US-PATENT-CLASS-74-385 US-PATENT-CLASS-74-417 US-PATENT-4,068,470	N78-17294* #	c 33	NASA-CASE-MSC-11235 US-PATENT-APPL-SN-698239 US-PATENT-CLASS-307-270 US-PATENT-CLASS-307-297 US-PATENT-CLASS-323-4 US-PATENT-CLASS-328-172 US-PATENT-3,573,504
N78-14867* #	c 71	NASA-CASE-LAR-12106-1 US-PATENT-APPL-SN-740156 US-PATENT-CLASS-330-52 US-PATENT-CLASS-73-646 US-PATENT-4,061,041	N78-17056* #	c 07	NASA-CASE-LEW-12390-1 US-PATENT-APPL-SN-522109 US-PATENT-CLASS-60-226R US-PATENT-CLASS-74-385 US-PATENT-CLASS-74-417 US-PATENT-4,068,470	N78-17295* #	c 33	NASA-CASE-XGS-09186 US-PATENT-APPL-SN-669911 US-PATENT-CLASS-323-18 US-PATENT-3,475,675 NASA-CASE-GSC-10135 US-PATENT-APPL-SN-764823 US-PATENT-CLASS-307-53 US-PATENT-CLASS-307-69 US-PATENT-CLASS-320-53 US-PATENT-CLASS-323-19 US-PATENT-3,600,599
N78-14889* #	c 74	NASA-CASE-KSC-11047-1 US-PATENT-APPL-SN-715485 US-PATENT-CLASS-179-91R US-PATENT-CLASS-250-199 US-PATENT-CLASS-358-142 US-PATENT-4,061,577	N78-17140* #	c 17	NASA-CASE-HON-10880-1 US-PATENT-APPL-SN-592524 US-PATENT-CLASS-325-118 US-PATENT-CLASS-325-66 US-PATENT-CLASS-343-112R US-PATENT-CLASS-343-225 US-PATENT-CLASS-362-269 US-PATENT-4,067,015	N78-17296* #	c 33	NASA-CASE-GSC-10135 US-PATENT-APPL-SN-764823 US-PATENT-CLASS-307-53 US-PATENT-CLASS-307-69 US-PATENT-CLASS-320-53 US-PATENT-CLASS-323-19 US-PATENT-3,600,599
N78-15180* #	c 24	NASA-CASE-ARC-10913-1 US-PATENT-APPL-SN-698646 US-PATENT-CLASS-106-15FP US-PATENT-CLASS-260-2 5N US-PATENT-CLASS-260-2 5R US-PATENT-CLASS-428-117 US-PATENT-CLASS-428-290 US-PATENT-CLASS-428-71 US-PATENT-CLASS-428-73 US-PATENT-CLASS-428-920 US-PATENT-4,061,812	N78-17149* #	c 24	US-PATENT-4,067,015 NASA-CASE-LAR-11898-2 US-PATENT-APPL-SN-723264 US-PATENT-APPL-SN-799024 US-PATENT-CLASS-156-245 US-PATENT-CLASS-156-285 US-PATENT-CLASS-156-289 US-PATENT-CLASS-156-300 US-PATENT-CLASS-156-311 US-PATENT-CLASS-264-157 US-PATENT-CLASS-264-90 US-PATENT-CLASS-428-294 US-PATENT-CLASS-428-302 US-PATENT-4,063,981	N78-17299* #	c 34	US-PATENT-3,600,599 NASA-CASE-LEW-12508-1 US-PATENT-APPL-SN-746580 US-PATENT-CLASS-62-3 US-PATENT-4,069,028 NASA-CASE-ARC-10198 US-PATENT-APPL-SN-42088 US-PATENT-CLASS-165-105 US-PATENT-CLASS-165-134 US-PATENT-3,777,811
N78-15210* #	c 25	NASA-CASE-LAR-12046-1 US-PATENT-APPL-SN-755310 US-PATENT-CLASS-23-230PC US-PATENT-CLASS-23-232E US-PATENT-CLASS-23-232R US-PATENT-CLASS-73-23 US-PATENT-4,062,650	N78-17150* #	c 24	NASA-CASE-LAR-12019-1 US-PATENT-APPL-SN-792067 US-PATENT-CLASS-156-154 US-PATENT-CLASS-156-264 US-PATENT-CLASS-156-285 US-PATENT-CLASS-156-286 US-PATENT-CLASS-156-288 US-PATENT-CLASS-156-289 US-PATENT-CLASS-156-300 US-PATENT-CLASS-156-306 US-PATENT-CLASS-156-311 US-PATENT-CLASS-264-157 US-PATENT-CLASS-264-90 US-PATENT-CLASS-428-294 US-PATENT-CLASS-428-302 US-PATENT-4,065,340	N78-17335* #	c 34	US-PATENT-3,600,599 NASA-CASE-LEW-12508-1 US-PATENT-APPL-SN-746580 US-PATENT-CLASS-62-3 US-PATENT-4,069,028 NASA-CASE-ARC-10198 US-PATENT-APPL-SN-42088 US-PATENT-CLASS-165-105 US-PATENT-CLASS-165-134 US-PATENT-3,777,811
N78-15276* #	c 27	NASA-CASE-LEW-12053-1 US-PATENT-APPL-SN-513613 US-PATENT-CLASS-260-2R US-PATENT-CLASS-526-193 US-PATENT-CLASS-526-225 US-PATENT-CLASS-544-193 US-PATENT-4,061,856	N78-17205* #	c 27	US-PATENT-4,065,340 NASA-CASE-LAR-12181-1 US-PATENT-APPL-SN-532784 US-PATENT-APPL-SN-734901 US-PATENT-CLASS-156-309 US-PATENT-CLASS-156-331 US-PATENT-CLASS-260-30 4R US-PATENT-CLASS-260-32 2R US-PATENT-CLASS-260-32 6NT US-PATENT-CLASS-260-33 4R US-PATENT-4,065,345 NASA-CASE-LAR-11902-1 US-PATENT-APPL-SN-672695 US-PATENT-CLASS-106-43 US-PATENT-CLASS-60-200A US-PATENT-CLASS-75-229 US-PATENT-CLASS-75-239 US-PATENT-CLASS-75-241 US-PATENT-4,067,742	N78-17336* #	c 34	US-PATENT-3,600,599 NASA-CASE-ARC-10199 US-PATENT-APPL-SN-824628 US-PATENT-CLASS-165-105 US-PATENT-CLASS-165-32 US-PATENT-CLASS-165-96 US-PATENT-CLASS-2-2 1 US-PATENT-3,543,839 NASA-CASE-MFS-23194-1 US-PATENT-APPL-SN-629458 US-PATENT-CLASS-350-3 5 US-PATENT-4,065,202 NASA-CASE-MSC-11242 US-PATENT-APPL-SN-636796 US-PATENT-CLASS-73-67 2 US-PATENT-3,492,858 NASA-CASE-NPO-11150 US-PATENT-APPL-SN-858950 US-PATENT-CLASS-338-100 US-PATENT-CLASS-338-36 US-PATENT-CLASS-338-99 US-PATENT-3,641,470 NASA-CASE-MFS-22597 US-PATENT-APPL-SN-395895 US-PATENT-CLASS-315-108 US-PATENT-CLASS-331-94 5G US-PATENT-CLASS-331-94 5T US-PATENT-3,882,417
N78-15323* #	c 32	NASA-CASE-NPO-13836-1 US-PATENT-APPL-SN-699002 US-PATENT-CLASS-178-69 1 US-PATENT-CLASS-325-58 US-PATENT-CLASS-325-63 US-PATENT-CLASS-343-179 US-PATENT-4,061,974	N78-17206* #	c 27	US-PATENT-4,067,742 NASA-CASE-MSC-14331-2 US-PATENT-APPL-SN-657907 US-PATENT-CLASS-260-75NH US-PATENT-CLASS-260-75NK	N78-17357* #	c 35	US-PATENT-3,543,839 NASA-CASE-MFS-23194-1 US-PATENT-APPL-SN-629458 US-PATENT-CLASS-350-3 5 US-PATENT-4,065,202 NASA-CASE-MSC-11242 US-PATENT-APPL-SN-636796 US-PATENT-CLASS-73-67 2 US-PATENT-3,492,858 NASA-CASE-NPO-11150 US-PATENT-APPL-SN-858950 US-PATENT-CLASS-338-100 US-PATENT-CLASS-338-36 US-PATENT-CLASS-338-99 US-PATENT-3,641,470 NASA-CASE-MFS-22597 US-PATENT-APPL-SN-395895 US-PATENT-CLASS-315-108 US-PATENT-CLASS-331-94 5G US-PATENT-CLASS-331-94 5T US-PATENT-3,882,417
N78-15461* #	c 35	NASA-CASE-NPO-13808-1 US-PATENT-APPL-SN-675328 US-PATENT-CLASS-250-322 US-PATENT-CLASS-250-416TV US-PATENT-4,063,092	N78-17213* #	c 27	US-PATENT-4,067,742 NASA-CASE-MSC-14331-2 US-PATENT-APPL-SN-657907 US-PATENT-CLASS-260-75NH US-PATENT-CLASS-260-75NK	N78-17358* #	c 35	US-PATENT-3,882,417 NASA-CASE-MSC-19666-1 US-PATENT-APPL-SN-721150 US-PATENT-CLASS-118-500 US-PATENT-CLASS-118-500 US-PATENT-CLASS-248-36-3 US-PATENT-CLASS-269-21
N78-15512* #	c 39	NASA-CASE-LAR-12016-1 US-PATENT-APPL-SN-754066 US-PATENT-CLASS-73-579 US-PATENT-CLASS-73-630 US-PATENT-CLASS-73-88F US-PATENT-4,062,227						
N78-15560* #	c 44	NASA-CASE-LAR-12009-1 US-PATENT-APPL-SN-717320 US-PATENT-CLASS-126-270 US-PATENT-CLASS-126-400 US-PATENT-CLASS-237-1A						

	US-PATENT-CLASS-60-39 52		US-PATENT-CLASS-320-15		US-PATENT-CLASS-356-167
	US-PATENT-4,083,181		US-PATENT-CLASS-320-32		US-PATENT-4,088,408
N78-25090* #	NASA-CASE-LEW-11855-1	c 07	US-PATENT-CLASS-320-39	N78-27913* #	c 75
	US-PATENT-APPL-SN-672222		US-PATENT-CLASS-320-9		NASA-CASE-MFS-22906-1
	US-PATENT-CLASS-277-134		US-PATENT-4,084,124		US-PATENT-APPL-SN-684807
	US-PATENT-CLASS-277-25	N78-27121* #	NASA-CASE-LAR-11919-1		US-PATENT-CLASS-29-81C
	US-PATENT-4,084,825	c 07	US-PATENT-APPL-SN-672221		US-PATENT-CLASS-313-231 3
N78-25119* #	NASA-CASE-MFS-23564-1	c 15	US-PATENT-CLASS-239-265 25		US-PATENT-CLASS-315-111 2
	US-PATENT-APPL-SN-739908		US-PATENT-CLASS-239-265 33	N78-28411* #	c 35
	US-PATENT-CLASS-244-161		US-PATENT-CLASS-60-230		US-PATENT-4,088,926
	US-PATENT-CLASS-244-167		US-PATENT-4,088,270		NASA-CASE-KSC-11035-1
	US-PATENT-4,083,520	N78-27176* #	NASA-CASE-MFS-23642-2		US-PATENT-APPL-SN-780874
N78-25148* #	NASA-CASE-LEW-12465-1	c 25	US-PATENT-APPL-SN-923758		US-PATENT-CLASS-324-130
	US-PATENT-APPL-SN-692413		NASA-CASE-ARC-11043-1		US-PATENT-CLASS-324-32
	US-PATENT-CLASS-250-423P	N78-27180* #	US-PATENT-APPL-SN-753964	N78-28594* #	c 44
	US-PATENT-CLASS-250-528	c 24	US-PATENT-CLASS-260-33 6EP		US-PATENT-APPL-SN-688852
	US-PATENT-CLASS-250-531		US-PATENT-CLASS-260-33 6PO		US-PATENT-CLASS-343-113R
	US-PATENT-CLASS-55-100		US-PATENT-CLASS-260-33 8EP		US-PATENT-CLASS-343-119
	US-PATENT-CLASS-55-101		US-PATENT-CLASS-260-33 8UA		US-PATENT-CLASS-343-16M
	US-PATENT-CLASS-55-2		US-PATENT-CLASS-260-37EP		US-PATENT-4,088,999
	US-PATENT-4,085,332		US-PATENT-CLASS-260-42 43	N78-28913* #	c 73
N78-25256* #	NASA-CASE-NPO-13839-1	c 31	US-PATENT-CLASS-260-45 7R		NASA-CASE-NPO-13114-2
	US-PATENT-APPL-SN-712981		US-PATENT-CLASS-260-45 75W		US-PATENT-APPL-SN-294738
	US-PATENT-CLASS-250-332		US-PATENT-CLASS-260-45 85N		US-PATENT-APPL-SN-634214
	US-PATENT-CLASS-313-22		US-PATENT-CLASS-260-45 9R		US-PATENT-CLASS-176-22
	US-PATENT-CLASS-62-514R		US-PATENT-CLASS-427-386		US-PATENT-CLASS-176-33
	US-PATENT-4,077,231		US-PATENT-CLASS-427-388A		US-PATENT-4,085,004
N78-25319* #	NASA-CASE-NPO-13909-1	c 33	US-PATENT-CLASS-428-313	N78-29421* #	c 35
	US-PATENT-APPL-SN-744477		US-PATENT-CLASS-428-332		NASA-CASE-NPO-11954-1
	US-PATENT-CLASS-324-57DE		US-PATENT-CLASS-428-921		US-PATENT-APPL-SN-229287
	US-PATENT-CLASS-324-57SS		US-PATENT-4,088,806		US-PATENT-CLASS-179-100 2CH
	US-PATENT-CLASS-324-58A	N78-27184* #	NASA-CASE-ARC-11040-2		US-PATENT-CLASS-340-174 1M
	US-PATENT-4,084,132	c 24	US-PATENT-APPL-SN-920878		US-PATENT-CLASS-340-174YC
N78-25350* #	NASA-CASE-MSC-19568-1	c 34	NASA-CASE-LEW-10518-3		US-PATENT-CLASS-350-151
	US-PATENT-APPL-SN-681000	N78-27226* #	US-PATENT-APPL-SN-394207	N78-31129* #	c 09
	US-PATENT-CLASS-428-913	c 25	US-PATENT-CLASS-176-11		US-PATENT-3,775,570
	US-PATENT-CLASS-428-93		US-PATENT-CLASS-176-16		NASA-CASE-MSC-19706-1
	US-PATENT-CLASS-428-94		US-PATENT-CLASS-250-400		US-PATENT-APPL-SN-767911
	US-PATENT-CLASS-428-95		US-PATENT-CLASS-250-429		US-PATENT-CLASS-239-265 25
	US-PATENT-CLASS-428-96		US-PATENT-CLASS-250-492B	N78-31232* #	c 27
	US-PATENT-CLASS-428-97		US-PATENT-4,088,532		US-PATENT-4,091,665
	US-PATENT-CLASS-49-DIG 1	N78-27326* #	NASA-CASE-MFS-23312-1		NASA-CASE-ARC-11008-1
	US-PATENT-CLASS-49-479	c 33	US-PATENT-APPL-SN-699012		US-PATENT-APPL-SN-708951
	US-PATENT-CLASS-49-485		US-PATENT-CLASS-29-571		US-PATENT-CLASS-260-2 5N
	US-PATENT-4,078,110		US-PATENT-CLASS-29-578		US-PATENT-CLASS-260-63N
N78-25351* #	NASA-CASE-LEW-12718-1	c 34	US-PATENT-CLASS-357-91		US-PATENT-CLASS-260-78 41
	US-PATENT-APPL-SN-779428		US-PATENT-4,087,902	N78-31233* #	c 27
	US-PATENT-CLASS-137-484 2		NASA-CASE-LEW-11877-1		NASA-CASE-ARC-11057-1
	US-PATENT-CLASS-137-501		US-PATENT-APPL-SN-708660		US-PATENT-APPL-SN-807762
	US-PATENT-CLASS-137-505 16		US-PATENT-CLASS-431-10		US-PATENT-CLASS-350-165
	US-PATENT-4,084,612		US-PATENT-CLASS-431-328		US-PATENT-CLASS-350-175NG
N78-25391* #	NASA-CASE-NPO-13948-1	c 35	US-PATENT-CLASS-431-7		US-PATENT-CLASS-427-164
	US-PATENT-APPL-SN-752748		US-PATENT-CLASS-60-39 65		US-PATENT-CLASS-427-40
	US-PATENT-CLASS-204-195W		US-PATENT-CLASS-60-39 69R		US-PATENT-CLASS-427-41
	US-PATENT-CLASS-73-336 5		US-PATENT-4,087,962		US-PATENT-CLASS-428-411
	US-PATENT-4,083,765	N78-27384* #	NASA-CASE-LAR-11973-1		US-PATENT-CLASS-428-412
N78-25426* #	NASA-CASE-MSC-12731-1	c 35	US-PATENT-APPL-SN-821681		US-PATENT-CLASS-428-427
	US-PATENT-APPL-SN-690816		US-PATENT-CLASS-73-170A		US-PATENT-CLASS-428-515
	US-PATENT-CLASS-137-505 25		US-PATENT-CLASS-73-425 4R		US-PATENT-CLASS-428-523
	US-PATENT-CLASS-137-625 3		US-PATENT-CLASS-73-61R		US-PATENT-CLASS-428-538
	US-PATENT-CLASS-137-625 38		US-PATENT-4,089,209		US-PATENT-4,091,166
	US-PATENT-4,083,380	N78-27402* #	NASA-CASE-NPO-13945-1	N78-31255* #	c 28
N78-25527* #	NASA-CASE-LEW-12552-1	c 36	US-PATENT-APPL-SN-704180		NASA-CASE-NPO-14103-1
	US-PATENT-APPL-SN-770869		US-PATENT-CLASS-331-94 5G		US-PATENT-APPL-SN-797210
	US-PATENT-CLASS-136-89CC		US-PATENT-CLASS-331-94 5P		US-PATENT-CLASS-149-105
	US-PATENT-CLASS-29-572		US-PATENT-CLASS-331-94 5PE		US-PATENT-CLASS-149-111
	US-PATENT-CLASS-357-30		US-PATENT-4,088,965		US-PATENT-CLASS-149-19 4
	US-PATENT-CLASS-357-65	N78-27423* #	NASA-CASE-MSC-16270-1		US-PATENT-CLASS-149-88
	US-PATENT-CLASS-357-67	c 37	US-PATENT-APPL-SN-837260		US-PATENT-CLASS-149-92
	US-PATENT-CLASS-427-261		US-PATENT-CLASS-269-21		US-PATENT-CLASS-149-93
	US-PATENT-CLASS-427-75		US-PATENT-CLASS-269-266		US-PATENT-4,092,188
	US-PATENT-4,082,569		US-PATENT-4,088,312	N78-31321* #	c 32
N78-25528* #	NASA-CASE-LEW-12185-1	c 44	NASA-CASE-LAR-11889-2		NASA-CASE-NPO-14022-1
	US-PATENT-APPL-SN-746269		US-PATENT-APPL-SN-662182		US-PATENT-APPL-SN-780728
	US-PATENT-CLASS-136-89H		US-PATENT-APPL-SN-807703		US-PATENT-CLASS-343-781CA
	US-PATENT-CLASS-136-89P		US-PATENT-CLASS-308-10		US-PATENT-CLASS-343-782
	US-PATENT-CLASS-29-572		US-PATENT-CLASS-73-178R		US-PATENT-CLASS-343-837
	US-PATENT-CLASS-29-628		US-PATENT-4,088,018	N78-31426* #	c 37
	US-PATENT-4,083,097	N78-27425* #	NASA-CASE-ARC-10981-1		US-PATENT-4,092,648
N78-25529* #	NASA-CASE-LEW-12541-1	c 37	US-PATENT-APPL-SN-738218		NASA-CASE-GSC-11883-2
	US-PATENT-APPL-SN-790637		US-PATENT-CLASS-248-178		US-PATENT-APPL-SN-596787
	US-PATENT-CLASS-136-89CC		US-PATENT-CLASS-248-186		US-PATENT-APPL-SN-747675
	US-PATENT-CLASS-136-89H		US-PATENT-4,088,291		US-PATENT-CLASS-60-527
	US-PATENT-CLASS-136-89P	N78-27515* #	NASA-CASE-NPO-12148-1		US-PATENT-CLASS-74-100R
	US-PATENT-CLASS-156-633	c 44	US-PATENT-APPL-SN-709415		US-PATENT-4,010,455
	US-PATENT-CLASS-29-572		US-PATENT-CLASS-136-89P		US-PATENT-4,092,874
	US-PATENT-4,084,985		US-PATENT-4,089,705	N78-31525* #	c 44
N78-25530* #	NASA-CASE-LEW-12649-1	c 44	NASA-CASE-ARC-10917-1		NASA-CASE-NPO-13581-2
	US-PATENT-APPL-SN-720521		US-PATENT-APPL-SN-672223		US-PATENT-APPL-SN-590975
	US-PATENT-CLASS-427-385B	N78-27733* #	US-PATENT-CLASS-119-29		US-PATENT-APPL-SN-811815
	US-PATENT-CLASS-427-385C	c 51	US-PATENT-CLASS-119-29		US-PATENT-CLASS-126-271
	US-PATENT-CLASS-429-254		US-PATENT-4,088,094		US-PATENT-CLASS-237-1A
	US-PATENT-4,085,241	N78-27750* #	NASA-CASE-MSC-16433-1	N78-31526* #	c 44
N78-25531* #	NASA-CASE-MFS-23270-1	c 44	US-PATENT-APPL-SN-910992		US-PATENT-4,091,800
	US-PATENT-APPL-SN-744573		NASA-CASE-LAR-11869-1		NASA-CASE-NPO-13813-1
	US-PATENT-CLASS-320-13	N78-27904* #	US-PATENT-APPL-SN-740155		NASA-CASE-NPO-13914-1
		c 74	US-PATENT-CLASS-356-120		US-PATENT-APPL-SN-765139
					US-PATENT-CLASS-126-270
					US-PATENT-CLASS-126-271
					US-PATENT-CLASS-350-299

N78-31527* #	c 44	US-PATENT-4,091,798 NASA-CASE-NPO-13937-1 US-PATENT-APPL-SN-718137 US-PATENT-CLASS-201-17 US-PATENT-CLASS-44-1R US-PATENT-CLASS-44-2 US-PATENT-4,081,250	N78-32338* #	c 33	NASA-CASE-GSC-12137-1 US-PATENT-APPL-SN-808510 US-PATENT-CLASS-329-124 US-PATENT-CLASS-331-12 US-PATENT-CLASS-331-4 US-PATENT-CLASS-331-64 US-PATENT-4,092,606	N78-33228* #	c 27	US-PATENT-CLASS-29-463 US-PATENT-CLASS-416-214A US-PATENT-CLASS-416-244A US-PATENT-CLASS-74-572 US-PATENT-4,097,194 NASA-CASE-NPO-08835-1 US-PATENT-APPL-SN-588721 US-PATENT-CLASS-260-28 5 US-PATENT-3,527,724
N78-31735* #	c 54	NASA-CASE-ARC-11058-1 US-PATENT-APPL-SN-753965 US-PATENT-CLASS-2-2 1A US-PATENT-CLASS-285-235 US-PATENT-4,091,464	N78-32339* #	c 33	NASA-CASE-GSC-12145-1 US-PATENT-APPL-SN-769149 US-PATENT-CLASS-307-229 US-PATENT-CLASS-307-230 US-PATENT-CLASS-328-145 US-PATENT-4,091,329	N78-33526* #	c 44	NASA-CASE-NPO-13763-1 US-PATENT-APPL-SN-718268 US-PATENT-CLASS-123-DIG 12 US-PATENT-CLASS-123-1A US-PATENT-CLASS-123-3 US-PATENT-4,112,875
N78-31736* #	c 54	NASA-CASE-ARC-11100-1 US-PATENT-APPL-SN-780569 US-PATENT-CLASS-2-2 1A US-PATENT-4,091,465	N78-32340* #	c 33	NASA-CASE-GSC-12146-1 US-PATENT-APPL-SN-782480 US-PATENT-CLASS-325-159 US-PATENT-CLASS-325-187 US-PATENT-CLASS-333-17R US-PATENT-CLASS-333-81R US-PATENT-4,092,617	N78-33913* #	c 74	NASA-CASE-NPO-10233-1 US-PATENT-APPL-SN-716885 US-PATENT-CLASS-250-218 US-PATENT-CLASS-250-227 US-PATENT-CLASS-250-239 US-PATENT-CLASS-356-208 US-PATENT-3,573,470
N78-32086* #	c 05	NASA-CASE-LAR-11932-1 US-PATENT-APPL-SN-718244 US-PATENT-CLASS-244-218 US-PATENT-CLASS-244-45A US-PATENT-CLASS-244-46 US-PATENT-4,093,156	N78-32341* #	c 33	US-PATENT-CLASS-363-101 US-PATENT-CLASS-363-16 US-PATENT-CLASS-363-60 US-PATENT-4,092,712 NASA-CASE-ARC-11036-1 US-PATENT-APPL-SN-740457 US-PATENT-CLASS-33-366 US-PATENT-4,094,073	N79-10057* #	c 07	NASA-CASE-LEW-12232-1 US-PATENT-APPL-SN-776029 US-PATENT-CLASS-415-115 US-PATENT-CLASS-415-116 US-PATENT-CLASS-60-39 14 US-PATENT-4,117,669
N78-32168* #	c 15	NASA-CASE-LAR-12264-1 US-PATENT-APPL-SN-943087 NASA-CASE-NPO-11458A US-PATENT-APPL-SN-48621 US-PATENT-CLASS-102-103 US-PATENT-CLASS-149-19 4 US-PATENT-CLASS-149-42 US-PATENT-CLASS-149-43 US-PATENT-CLASS-149-44 US-PATENT-CLASS-149-76 US-PATENT-CLASS-149-83 US-PATENT-CLASS-149-85 US-PATENT-4,116,131	N78-32395* #	c 35	US-PATENT-CLASS-363-101 US-PATENT-CLASS-363-16 US-PATENT-CLASS-363-60 US-PATENT-4,092,712 NASA-CASE-ARC-11036-1 US-PATENT-APPL-SN-740457 US-PATENT-CLASS-33-366 US-PATENT-4,094,073	N79-10162* #	c 25	NASA-CASE-ARC-11053-1 US-PATENT-APPL-SN-814378 US-PATENT-CLASS-23-252R US-PATENT-CLASS-423-581 US-PATENT-4,101,644
N78-32179* #	c 20	NASA-CASE-ARC-10992-1 US-PATENT-APPL-SN-760810 US-PATENT-CLASS-204-164 US-PATENT-CLASS-204-175 US-PATENT-CLASS-423-582 US-PATENT-CLASS-423-583 US-PATENT-4,094,758	N78-32396* #	c 35	US-PATENT-CLASS-324-173 US-PATENT-CLASS-324-207 US-PATENT-4,093,917 NASA-CASE-LAR-11617-2 US-PATENT-APPL-SN-547072 US-PATENT-APPL-SN-668771 US-PATENT-CLASS-324-249 US-PATENT-4,088,954	N79-10163* #	c 25	NASA-CASE-NPO-13274-1 US-PATENT-APPL-SN-406296 US-PATENT-CLASS-204-180S US-PATENT-CLASS-204-299 US-PATENT-3,932,262
N78-32229* #	c 26	NASA-CASE-ARC-10992-1 US-PATENT-APPL-SN-760810 US-PATENT-CLASS-204-164 US-PATENT-CLASS-204-175 US-PATENT-CLASS-423-582 US-PATENT-CLASS-423-583 US-PATENT-4,094,758	N78-32397* #	c 35	US-PATENT-CLASS-324-249 US-PATENT-4,088,954 NASA-CASE-MFS-23114-1 US-PATENT-APPL-SN-686331 US-PATENT-CLASS-350-3 5 US-PATENT-CLASS-356-72 US-PATENT-CLASS-356-73 US-PATENT-CLASS-73-603 US-PATENT-4,093,382	N79-10262* #	c 32	NASA-CASE-NPO-13941-1 US-PATENT-APPL-SN-774384 US-PATENT-CLASS-307-233R US-PATENT-CLASS-324-77B US-PATENT-CLASS-324-77C US-PATENT-4,118,666
N78-32256* #	c 27	NASA-CASE-ARC-10992-1 US-PATENT-APPL-SN-760810 US-PATENT-CLASS-204-164 US-PATENT-CLASS-204-175 US-PATENT-CLASS-423-582 US-PATENT-CLASS-423-583 US-PATENT-4,094,758	N78-32398* #	c 35	US-PATENT-CLASS-356-73 US-PATENT-CLASS-73-603 US-PATENT-4,093,382 NASA-CASE-LAR-11208-1 US-PATENT-APPL-SN-710036 US-PATENT-CLASS-417-88 US-PATENT-CLASS-60-39 07 US-PATENT-CLASS-60-39 14 US-PATENT-CLASS-60-39 33 US-PATENT-CLASS-98-1 5 US-PATENT-4,091,613	N79-10263* #	c 32	NASA-CASE-MSC-12743-1 US-PATENT-APPL-SN-765167 US-PATENT-CLASS-325-41 US-PATENT-CLASS-340-146 1AX US-PATENT-CLASS-340-146 1E US-PATENT-4,100,531
N78-32260* #	c 27	NASA-CASE-ARC-11051-1 US-PATENT-APPL-SN-736910 US-PATENT-CLASS-106-48 US-PATENT-CLASS-106-54 US-PATENT-CLASS-427-215 US-PATENT-CLASS-427-376A US-PATENT-CLASS-427-376B US-PATENT-CLASS-427-379 US-PATENT-CLASS-427-380 US-PATENT-CLASS-428-312 US-PATENT-CLASS-428-325 US-PATENT-CLASS-428-331 US-PATENT-CLASS-428-341 US-PATENT-CLASS-428-406 US-PATENT-CLASS-428-427 US-PATENT-CLASS-428-428 US-PATENT-CLASS-428-446 US-PATENT-CLASS-428-920 US-PATENT-CLASS-65-30R US-PATENT-CLASS-65-60D US-PATENT-4,093,771	N78-32539* #	c 44	US-PATENT-CLASS-417-88 US-PATENT-CLASS-60-39 07 US-PATENT-CLASS-60-39 14 US-PATENT-CLASS-60-39 33 US-PATENT-CLASS-98-1 5 US-PATENT-4,091,613 NASA-CASE-KSC-11034-1 US-PATENT-APPL-SN-782481 US-PATENT-CLASS-60-641 US-PATENT-CLASS-60-671 US-PATENT-4,087,975	N79-10264* #	c 32	NASA-CASE-MFS-22234-1 US-PATENT-APPL-SN-730778 US-PATENT-CLASS-343-6R US-PATENT-CLASS-343-9 US-PATENT-4,118,701 NASA-CASE-KSC-11018-1 US-PATENT-APPL-SN-782693 US-PATENT-CLASS-324-133 US-PATENT-CLASS-324-72 US-PATENT-CLASS-324-96 US-PATENT-4,100,487
N78-32261* #	c 27	NASA-CASE-ARC-11051-1 US-PATENT-APPL-SN-736910 US-PATENT-CLASS-106-48 US-PATENT-CLASS-106-54 US-PATENT-CLASS-427-215 US-PATENT-CLASS-427-376A US-PATENT-CLASS-427-376B US-PATENT-CLASS-427-379 US-PATENT-CLASS-427-380 US-PATENT-CLASS-428-312 US-PATENT-CLASS-428-325 US-PATENT-CLASS-428-331 US-PATENT-CLASS-428-341 US-PATENT-CLASS-428-406 US-PATENT-CLASS-428-427 US-PATENT-CLASS-428-428 US-PATENT-CLASS-428-446 US-PATENT-CLASS-428-920 US-PATENT-CLASS-65-30R US-PATENT-CLASS-65-60D US-PATENT-4,093,771	N78-32542* #	c 44	US-PATENT-CLASS-350-3 5 US-PATENT-CLASS-356-72 US-PATENT-CLASS-356-73 US-PATENT-CLASS-73-603 US-PATENT-4,093,382 NASA-CASE-LAR-11208-1 US-PATENT-APPL-SN-710036 US-PATENT-CLASS-417-88 US-PATENT-CLASS-60-39 07 US-PATENT-CLASS-60-39 14 US-PATENT-CLASS-60-39 33 US-PATENT-CLASS-98-1 5 US-PATENT-4,091,613 NASA-CASE-KSC-11034-1 US-PATENT-APPL-SN-782481 US-PATENT-CLASS-60-641 US-PATENT-CLASS-60-671 US-PATENT-4,087,975	N79-10337* #	c 33	NASA-CASE-GSC-12228-1 US-PATENT-APPL-SN-858764 US-PATENT-CLASS-324-57R US-PATENT-CLASS-324-83D US-PATENT-CLASS-324-85 US-PATENT-CLASS-328-163 US-PATENT-4,118,665 NASA-CASE-LEW-12013-1 US-PATENT-APPL-SN-768795 US-PATENT-CLASS-301-82 US-PATENT-CLASS-315-3 5 US-PATENT-CLASS-315-3 6 US-PATENT-CLASS-330-43 US-PATENT-4,118,671
N78-32262* #	c 27	NASA-CASE-ARC-11051-1 US-PATENT-APPL-SN-736910 US-PATENT-CLASS-106-48 US-PATENT-CLASS-106-54 US-PATENT-CLASS-427-215 US-PATENT-CLASS-427-376A US-PATENT-CLASS-427-376B US-PATENT-CLASS-427-379 US-PATENT-CLASS-427-380 US-PATENT-CLASS-428-312 US-PATENT-CLASS-428-325 US-PATENT-CLASS-428-331 US-PATENT-CLASS-428-341 US-PATENT-CLASS-428-406 US-PATENT-CLASS-428-427 US-PATENT-CLASS-428-428 US-PATENT-CLASS-428-446 US-PATENT-CLASS-428-920 US-PATENT-CLASS-65-30R US-PATENT-CLASS-65-60D US-PATENT-4,093,771	N78-32720* #	c 54	US-PATENT-CLASS-350-286 US-PATENT-CLASS-350-320 US-PATENT-4,093,354 NASA-CASE-ARC-11039-1 US-PATENT-APPL-SN-750655 US-PATENT-CLASS-351-166 US-PATENT-CLASS-427-164 US-PATENT-CLASS-427-302 US-PATENT-CLASS-427-322 US-PATENT-CLASS-427-38 US-PATENT-CLASS-427-387 US-PATENT-CLASS-427-41 US-PATENT-CLASS-427-44 US-PATENT-CLASS-428-412 US-PATENT-CLASS-428-447 US-PATENT-4,096,315	N79-10338* #	c 33	US-PATENT-CLASS-324-96 US-PATENT-4,100,487 NASA-CASE-GSC-12228-1 US-PATENT-APPL-SN-858764 US-PATENT-CLASS-324-57R US-PATENT-CLASS-324-83D US-PATENT-CLASS-324-85 US-PATENT-CLASS-328-163 US-PATENT-4,118,665 NASA-CASE-LEW-12013-1 US-PATENT-APPL-SN-768795 US-PATENT-CLASS-301-82 US-PATENT-CLASS-315-3 5 US-PATENT-CLASS-315-3 6 US-PATENT-CLASS-330-43 US-PATENT-4,118,671
		NASA-CASE-ARC-11059-1 US-PATENT-APPL-SN-753978 US-PATENT-CLASS-128-142 7 US-PATENT-CLASS-62-259 US-PATENT-4,095,593	N78-32721* #	c 54	US-PATENT-CLASS-350-286 US-PATENT-CLASS-350-320 US-PATENT-4,093,354 NASA-CASE-ARC-11039-1 US-PATENT-APPL-SN-750655 US-PATENT-CLASS-351-166 US-PATENT-CLASS-427-164 US-PATENT-CLASS-427-302 US-PATENT-CLASS-427-322 US-PATENT-CLASS-427-38 US-PATENT-CLASS-427-387 US-PATENT-CLASS-427-41 US-PATENT-CLASS-427-44 US-PATENT-CLASS-428-412 US-PATENT-CLASS-428-447 US-PATENT-4,096,315	N79-10339* #	c 33	NASA-CASE-LEW-12013-1 US-PATENT-APPL-SN-768795 US-PATENT-CLASS-301-82 US-PATENT-CLASS-315-3 5 US-PATENT-CLASS-315-3 6 US-PATENT-CLASS-330-43 US-PATENT-4,118,671 NASA-CASE-MFS-23461-1 US-PATENT-APPL-SN-694406 US-PATENT-CLASS-250-475 US-PATENT-CLASS-252-301 1R US-PATENT-CLASS-252-301 1E US-PATENT-CLASS-96-27R US-PATENT-CLASS-96-60R US-PATENT-4,101,780
		NASA-CASE-ARC-11059-1 US-PATENT-APPL-SN-753978 US-PATENT-CLASS-128-142 7 US-PATENT-CLASS-62-259 US-PATENT-4,095,593	N78-32848* #	c 73	US-PATENT-CLASS-350-286 US-PATENT-CLASS-350-320 US-PATENT-4,093,354 NASA-CASE-ARC-11039-1 US-PATENT-APPL-SN-750655 US-PATENT-CLASS-351-166 US-PATENT-CLASS-427-164 US-PATENT-CLASS-427-302 US-PATENT-CLASS-427-322 US-PATENT-CLASS-427-38 US-PATENT-CLASS-427-387 US-PATENT-CLASS-427-41 US-PATENT-CLASS-427-44 US-PATENT-CLASS-428-412 US-PATENT-CLASS-428-447 US-PATENT-4,096,315	N79-10389* #	c 35	US-PATENT-CLASS-343-17 2PC US-PATENT-CLASS-343-5CM US-PATENT-CLASS-343-5W US-PATENT-4,101,891 NASA-CASE-LEW-12569-1 US-PATENT-APPL-SN-792069
		NASA-CASE-ARC-11059-1 US-PATENT-APPL-SN-753978 US-PATENT-CLASS-128-142 7 US-PATENT-CLASS-62-259 US-PATENT-4,095,593	N78-32854* #	c 74	US-PATENT-CLASS-350-286 US-PATENT-CLASS-350-320 US-PATENT-4,093,354 NASA-CASE-ARC-11039-1 US-PATENT-APPL-SN-750655 US-PATENT-CLASS-351-166 US-PATENT-CLASS-427-164 US-PATENT-CLASS-427-302 US-PATENT-CLASS-427-322 US-PATENT-CLASS-427-38 US-PATENT-CLASS-427-387 US-PATENT-CLASS-427-41 US-PATENT-CLASS-427-44 US-PATENT-CLASS-428-412 US-PATENT-CLASS-428-447 US-PATENT-4,096,315	N79-10418* #	c 37	
		NASA-CASE-ARC-11059-1 US-PATENT-APPL-SN-753978 US-PATENT-CLASS-128-142 7 US-PATENT-CLASS-62-259 US-PATENT-4,095,593	N78-33101* #	c 07	US-PATENT-CLASS-350-286 US-PATENT-CLASS-350-320 US-PATENT-4,093,354 NASA-CASE-ARC-11039-1 US-PATENT-APPL-SN-750655 US-PATENT-CLASS-351-166 US-PATENT-CLASS-427-164 US-PATENT-CLASS-427-302 US-PATENT-CLASS-427-322 US-PATENT-CLASS-427-38 US-PATENT-CLASS-427-387 US-PATENT-CLASS-427-41 US-PATENT-CLASS-427-44 US-PATENT-CLASS-428-412 US-PATENT-CLASS-428-447 US-PATENT-4,096,315			

	US-PATENT-CLASS-308-DIG 1		US-PATENT-4,103,619		US-PATENT-CLASS-350-288
	US-PATENT-CLASS-308-121	N79-11246* # c 31	NASA-CASE-LAR-12147-1		US-PATENT-CLASS-350-299
	US-PATENT-CLASS-308-160		US-PATENT-APPL-SN-733825		US-PATENT-4,122,833
	US-PATENT-CLASS-308-163		US-PATENT-CLASS-73-159	N79-11472* # c 44	NASA-CASE-LEW-12552-2
	US-PATENT-CLASS-308-172		US-PATENT-CLASS-73-95		US-PATENT-APPL-SN-844346
	US-PATENT-CLASS-308-5R		US-PATENT-4,103,550		US-PATENT-CLASS-29-572
	US-PATENT-CLASS-308-9	N79-11264* # c 32	NASA-CASE-MS-C-14939-1		US-PATENT-CLASS-427-123
	US-PATENT-4,099,799		US-PATENT-APPL-SN-765165		US-PATENT-CLASS-427-126
N79-10419* # c 37	NASA-CASE-FRC-10111-1		US-PATENT-CLASS-343-844		US-PATENT-CLASS-427-261
	US-PATENT-APPL-SN-713027		US-PATENT-CLASS-343-854		US-PATENT-CLASS-427-343
	US-PATENT-CLASS-30-90 6		US-PATENT-4,119,972		US-PATENT-CLASS-427-398A
	US-PATENT-CLASS-81-9 5R	N79-11265* # c 32	NASA-CASE-GSC-12150-1		US-PATENT-CLASS-427-399
	US-PATENT-4,117,749		US-PATENT-APPL-SN-736286		US-PATENT-CLASS-427-75
N79-10420* # c 37	NASA-CASE-NPO-14014-1		US-PATENT-CLASS-325-4		US-PATENT-CLASS-427-84
	US-PATENT-APPL-SN-826204		US-PATENT-CLASS-325-67		US-PATENT-4,122,214
	US-PATENT-CLASS-188-1C		US-PATENT-CLASS-343-17 7	N79-11865* # c 74	NASA-CASE-MFS-23513-1
	US-PATENT-CLASS-256-1		US-PATENT-4,119,964		US-PATENT-APPL-SN-755323
	US-PATENT-CLASS-256-13 1	N79-11313* # c 33	NASA-CASE-MS-C-16461-1		US-PATENT-CLASS-356-124
	US-PATENT-4,118,014		US-PATENT-APPL-SN-858765		US-PATENT-CLASS-356-210
N79-10421* # c 37	NASA-CASE-MFS-23620-1		US-PATENT-CLASS-307-232		US-PATENT-4,102,580
	US-PATENT-APPL-SN-799023		US-PATENT-CLASS-328-133	N79-11920* # c 76	NASA-CASE-NPO-13918-1
	US-PATENT-CLASS-219-124 2-2		US-PATENT-CLASS-331-1A		US-PATENT-APPL-SN-706073
	US-PATENT-CLASS-219-124 32		US-PATENT-CLASS-331-14		US-PATENT-CLASS-156-DIG 64
	US-PATENT-CLASS-219-125 1		US-PATENT-CLASS-331-23		US-PATENT-CLASS-156-DIG 65
	US-PATENT-CLASS-228-8		US-PATENT-CLASS-331-27		US-PATENT-CLASS-156-DIG 88
	US-PATENT-4,118,620		US-PATENT-4,119,926		US-PATENT-CLASS-156-608
N79-10422* # c 37	NASA-CASE-MFS-23051-1	N79-11314* # c 33	NASA-CASE-NPO-13064-1		US-PATENT-CLASS-156-6175P
	US-PATENT-APPL-SN-632111		US-PATENT-APPL-SN-297436		US-PATENT-4,121,965
	US-PATENT-CLASS-15-230 16		US-PATENT-CLASS-357-22	N79-12061* # c 05	NASA-CASE-FRC-10092-1
	US-PATENT-CLASS-15-230 17		US-PATENT-CLASS-357-22		US-PATENT-APPL-SN-831634
	US-PATENT-CLASS-29-125	N79-11315* # c 33	NASA-CASE-KSC-11031-1		US-PATENT-CLASS-244-48
	US-PATENT-CLASS-428-133		US-PATENT-APPL-SN-782482		US-PATENT-CLASS-244-82
	US-PATENT-CLASS-74-572		US-PATENT-CLASS-324-102		US-PATENT-CLASS-244-90R
	US-PATENT-4,098,142		US-PATENT-CLASS-324-113	N79-12221* # c 27	US-PATENT-4,124,180
N79-10513* # c 44	NASA-CASE-NPO-13732-1		US-PATENT-CLASS-324-133		NASA-CASE-MS-C-12619-2
	US-PATENT-APPL-SN-765138		US-PATENT-4,105,966		US-PATENT-APPL-SN-555750
	US-PATENT-CLASS-429-13	N79-11402* # c 37	NASA-CASE-MS-C-16043-1		US-PATENT-APPL-SN-786913
	US-PATENT-CLASS-429-41		US-PATENT-APPL-SN-750792		US-PATENT-CLASS-244-121
	US-PATENT-CLASS-429-42		US-PATENT-CLASS-137-614 06		US-PATENT-CLASS-244-158
	US-PATENT-4,100,331		US-PATENT-CLASS-137-637 05		US-PATENT-CLASS-244-160
N79-10693* # c 51	NASA-CASE-MS-C-16098-1		US-PATENT-CLASS-251-149 9		US-PATENT-CLASS-428-189
	US-PATENT-APPL-SN-792068		US-PATENT-CLASS-285-326		US-PATENT-CLASS-428-212
	US-PATENT-CLASS-210-23F		US-PATENT-CLASS-285-359		US-PATENT-CLASS-428-280
	US-PATENT-CLASS-210-433M		US-PATENT-4,103,712		US-PATENT-CLASS-428-285
	US-PATENT-CLASS-210-96M	N79-11403* # c 37	NASA-CASE-LEW-12793-1		US-PATENT-CLASS-428-286
	US-PATENT-4,118,315		US-PATENT-APPL-SN-745766		US-PATENT-CLASS-428-332
N79-10694* # c 51	NASA-CASE-GSC-12173-1		US-PATENT-CLASS-60 39 08		US-PATENT-CLASS-428-447
	US-PATENT-APPL-SN-806440		US-PATENT-CLASS-60 39 28R		US-PATENT-CLASS-428-450
	US-PATENT-CLASS-165-2		US-PATENT-CLASS-60-39 66		US-PATENT-CLASS-428-77
	US-PATENT-CLASS-165-30		US-PATENT-4,104,873		US-PATENT-CLASS-428-920
	US-PATENT-CLASS-195-1 8	N79-11404* # c 37	NASA-CASE-MFS-23447-1		US-PATENT-4,124,732
	US-PATENT-CLASS-219-299		US-PATENT-APPL-SN-736909	N79-12321* # c 33	NASA-CASE-GSC-12190-1
	US-PATENT-CLASS-219-302		US-PATENT-CLASS-308-194		US-PATENT-APPL-SN-817413
	US-PATENT-CLASS-62-514R		US-PATENT-CLASS-308-72		US-PATENT-CLASS-357-22
	US-PATENT-CLASS-62-78		US-PATENT-4,105,261		US-PATENT-CLASS-357-23
	US-PATENT-4,117,881	N79-11405* # c 37	NASA-CASE-NPO-13828-1		US-PATENT-CLASS-357-41
N79-10724* # c 52	NASA-CASE-ARC-10985-1		US-PATENT-APPL-SN-672636		US-PATENT-CLASS-357-45
	US-PATENT-APPL-SN-769148		US-PATENT-CLASS-123-148DC		US-PATENT-CLASS-357-55
	US-PATENT-CLASS-128-2 05R		US-PATENT-CLASS-123-148E		US-PATENT-4,119,996
	US-PATENT-CLASS-358-111		US-PATENT-CLASS-315-209CD	N79-12331* # c 33	NASA-CASE-MS-C-12662-1
	US-PATENT-CLASS-358-96		US-PATENT-CLASS-315-209SC		US-PATENT-APPL-SN-540779
	US-PATENT-CLASS-364-417		US-PATENT-CLASS-315-241R		US-PATENT-CLASS-428-109
	US-PATENT-4,101,961		US-PATENT-4,122,816		US-PATENT-CLASS-428-247
N79-10969* # c 89	NASA-CASE-MFS-23675-1	N79-11467* # c 44	NASA-CASE-LEW-12819-1		US-PATENT-CLASS-428-258
	US-PATENT-APPL-SN-820498		US-PATENT-APPL-SN-803823		US-PATENT-CLASS-428-259
	US-PATENT-CLASS-350-294		US-PATENT-CLASS-136-89CC		US-PATENT-4,107,363
	US-PATENT-CLASS-350-55		US-PATENT-CLASS-357-15	N79-12359* # c 34	NASA-CASE-LAR-11729-1
	US-PATENT-4,101,195		US-PATENT-CLASS-357-16		US-PATENT-APPL-SN-856461
N79-11108* # c 18	NASA-CASE-MFS-23579-1		US-PATENT-CLASS-357-30		US-PATENT-CLASS-73-189
	US-PATENT-APPL-SN-829316		US-PATENT-CLASS-357-65		US-PATENT-CLASS-73-194VS
	US-PATENT-CLASS-228-13		US-PATENT-CLASS-357-67	N79-12541* # c 44	US-PATENT-4,122,712
	US-PATENT-CLASS-228-15 1		US-PATENT-4,104,084		NASA-CASE-NPO-14100-1
	US-PATENT-CLASS-228-173		NASA-CASE-LEW-12775-1		US-PATENT-APPL-SN-861391
	US-PATENT-CLASS-244-159	N79-11468* # c 44	US-PATENT-APPL-SN-799026		US-PATENT-CLASS-324-20R
	US-PATENT-4,122,991		US-PATENT-CLASS-136-89		US-PATENT-CLASS-324-22
N79-11151* # c 25	NASA-CASE-NPO-13958-1		US-PATENT-CLASS-148-188	N79-12584* # c 45	US-PATENT-4,122,383
	US-PATENT-APPL-SN-745384		US-PATENT-CLASS-29-572		NASA-CASE-MS-C-16258-1
	US-PATENT-CLASS-126-91A		US-PATENT-CLASS-427-75		US-PATENT-APPL-SN-853705
	US-PATENT-CLASS-431-10		US-PATENT-CLASS-427-75		US-PATENT-CLASS-210-50
	US-PATENT-CLASS-431-208		US-PATENT-4,104,091		US-PATENT-CLASS-210-60
	US-PATENT-CLASS-432-223	N79-11469* # c 44	NASA-CASE-MFS-23518-1		US-PATENT-CLASS-210-63R
	US-PATENT-CLASS-432-29		US-PATENT-APPL-SN-829390		US-PATENT-CLASS-423-242
	US-PATENT-4,104,018		US-PATENT-CLASS-204-32		US-PATENT-CLASS-55-73
N79-11152* # c 25	NASA-CASE-NPO-13904-1		US-PATENT-CLASS-204-33		US-PATENT-4,123,355
	US-PATENT-APPL-SN-730468		US-PATENT-CLASS-204-37R	N79-12694* # c 52	NASA-CASE-NPO-13913-1
	US-PATENT-CLASS-208-10		US-PATENT-CLASS-204-38B		US-PATENT-APPL-SN-687251
	US-PATENT-CLASS-208-8		US-PATENT-4,104,134		US-PATENT-CLASS-128-2R
	US-PATENT-CLASS-302-66	N79-11470* # c 44	NASA-CASE-NPO-14126-1		US-PATENT-CLASS-364-120
	US-PATENT-CLASS-44-51		US-PATENT-APPL-SN-838336		US-PATENT-CLASS-364-300
	US-PATENT-4,121,995		US-PATENT-CLASS-204-157 1R		US-PATENT-CLASS-364-415
N79-11215* # c 27	NASA-CASE-ARC-11170-1		US-PATENT-CLASS-250-527		US-PATENT-CLASS-364-900
	US-PATENT-APPL-SN-956161		US-PATENT-4,105,517		US-PATENT-4,122,518
N79-11231* # c 28	NASA-CASE-NPO-13858-1	N79-11471* # c 44	NASA-CASE-NPO-13817-1	N79-12890* # c 74	NASA-CASE-KSC-11010-1
	NASA-CASE-NPO-13859-1		US-PATENT-APPL-SN-801452		US-PATENT-APPL-SN-753977
	US-PATENT-APPL-SN-740153		US-PATENT-CLASS-126-270		US-PATENT-CLASS-200-46
	US-PATENT-CLASS-102-28R		US-PATENT-CLASS-126-271		US-PATENT-CLASS-200-61

		US-PATENT-CLASS-250-214AL				US-PATENT-CLASS-303-92
		US-PATENT-CLASS-250-214R				US-PATENT-CLASS-415-9
		US-PATENT-CLASS-315-153				US-PATENT-CLASS-416-2
		US-PATENT-4,122,334				US-PATENT-CLASS-74-572
N79-13214* #	c 32	NASA-CASE-NPO-14009-1				US-PATENT-4,132,130
		US-PATENT-APPL-SN-818917				NASA-CASE-LEW-12236-2
		US-PATENT-CLASS-343-117R	N79-14228* #	c 28		US-PATENT-APPL-SN-760771
		US-PATENT-CLASS-343-118				US-PATENT-APPL-SN-899123
		US-PATENT-CLASS-343-7 4				US-PATENT-CLASS-136-89SJ
		US-PATENT-4,122,454				US-PATENT-CLASS-357-30
N79-13288* #	c 34	NASA-CASE-LEW-12252-1				US-PATENT-4,131,486
		US-PATENT-APPL-SN-559847				NASA-CASE-NPO-13579-4
		US-PATENT-CLASS-165-169	N79-14267* #	c 32		US-PATENT-APPL-SN-906297
		US-PATENT-CLASS-239-127 1				US-PATENT-CLASS-126-271
		US-PATENT-CLASS-60-267				US-PATENT-CLASS-350-292
		US-PATENT-4,107,919				US-PATENT-CLASS-350-293
N79-13289* #	c 34	NASA-CASE-LEW-12441-1				US-PATENT-CLASS-350-320
		US-PATENT-APPL-SN-559846				US-PATENT-4,131,336
		US-PATENT-CLASS-165-146				NASA-CASE-NPO-13930-1
		US-PATENT-CLASS-165-169				US-PATENT-APPL-SN-700467
		US-PATENT-CLASS-239-127 1	N79-14268* #	c 32		US-PATENT-CLASS-128-214D
		US-PATENT-CLASS-60-267				US-PATENT-CLASS-128-272
		US-PATENT-4,108,241				US-PATENT-CLASS-150-1
N79-13364* #	c 37	NASA-CASE-LAR-10941-2				US-PATENT-CLASS-195-1 8
		US-PATENT-APPL-SN-395493				US-PATENT-CLASS-206-439
		US-PATENT-CLASS-228-107				US-PATENT-CLASS-210-DIG 23
		US-PATENT-CLASS-228-2 5				US-PATENT-CLASS-422-41
		US-PATENT-CLASS-29-421E				US-PATENT-CLASS-422-48
		US-PATENT-4,106,687				US-PATENT-CLASS-55-15-8
N79-13826* #	c 72	NASA-CASE-NPO-13993-1				US-PATENT-4,132,594
		US-PATENT-APPL-SN-782463				NASA-CASE-GSC-12046-1
		US-PATENT-CLASS-331-94 5L				US-PATENT-APPL-SN-680015
		US-PATENT-CLASS-331-94 5P				US-PATENT-CLASS-195-103 5K
		US-PATENT-CLASS-331-94 5PE				US-PATENT-CLASS-195-103 5L
		US-PATENT-4,107,627	N79-14345* #	c 35		US-PATENT-4,132,599
N79-13855* #	c 74	NASA-CASE-MFS-23052-2				NASA-CASE-NPO-13935-1
		US-PATENT-APPL-SN-590183				NASA-CASE-NPO-13944-1
		US-PATENT-APPL-SN-772165				US-PATENT-APPL-SN-741749
		US-PATENT-CLASS-35-12C				US-PATENT-CLASS-128-2V
		US-PATENT-CLASS-35-12N				US-PATENT-CLASS-73-633
		US-PATENT-CLASS-358-104				US-PATENT-CLASS-73-644
		US-PATENT-4,106,218				US-PATENT-4,130,112
N79-14095* #	c 07	NASA-CASE-LEW-13050-1				NASA-CASE-LEW-12658-1
		US-PATENT-APPL-SN-513346	N79-14347* #	c 35		US-PATENT-APPL-SN-702115
		US-PATENT-CLASS-416-157B				US-PATENT-CLASS-181-190
		US-PATENT-CLASS-416-160				US-PATENT-CLASS-181-213
		US-PATENT-CLASS-416-162				US-PATENT-CLASS-181-222
		US-PATENT-CLASS-416-167				US-PATENT-CLASS-181-293
		US-PATENT-4,124,330				US-PATENT-4,106,587
N79-14096* #	c 07	NASA-CASE-LEW-12389-3				NASA-CASE-GSC-12225-1
		US-PATENT-APPL-SN-552108				US-PATENT-APPL-SN-823566
		US-PATENT-APPL-SN-753452				US-PATENT-CLASS-350-157
		US-PATENT-CLASS-137-15 1				US-PATENT-4,129,357
		US-PATENT-CLASS-244-54				NASA-CASE-LAR-12251-1
		US-PATENT-CLASS-415-200				US-PATENT-APPL-SN-953389
		US-PATENT-CLASS-415-201				NASA-CASE-MFS-23541-1
		US-PATENT-CLASS-60-226A				US-PATENT-APPL-SN-814005
		US-PATENT-CLASS-60-226R				US-PATENT-CLASS-204-192C
		US-PATENT-CLASS-60-39 31				US-PATENT-4,111,775
		US-PATENT-4,132,069	N79-14349* #	c 35		NASA-CASE-ARC-10975-1
N79-14097* #	c 07	NASA-CASE-LEW-12378-1				US-PATENT-APPL-SN-799832
		US-PATENT-APPL-SN-573029				US-PATENT-CLASS-250-531
		US-PATENT-CLASS-239-265 39				US-PATENT-CLASS-250-540
		US-PATENT-CLASS-60-226A				US-PATENT-CLASS-250-541
		US-PATENT-4,132,068				US-PATENT-4,130,490
N79-14108* #	c 08	NASA-CASE-LAR-11868-2				NASA-CASE-NPO-10872-1
		US-PATENT-APPL-SN-651002				US-PATENT-APPL-SN-805549
		US-PATENT-APPL-SN-779429				US-PATENT-CLASS-179-100 2CH
		US-PATENT-CLASS-244-218				US-PATENT-CLASS-340-174 1M
		US-PATENT-CLASS-244-46				US-PATENT-CLASS-346-74MT
		US-PATENT-CLASS-244-90R				US-PATENT-3,626,114
		US-PATENT-4,132,375				NASA-CASE-NPO-11336-1
N79-14156* #	c 24	NASA-CASE-GSC-12207-1				NASA-CASE-NPO-13247-1
		US-PATENT-APPL-SN-844344				US-PATENT-APPL-SN-302913
		US-PATENT-CLASS-106-296				US-PATENT-CLASS-117-107
		US-PATENT-CLASS-106-84				US-PATENT-CLASS-117-119
		US-PATENT-CLASS-252-518				US-PATENT-CLASS-117-234
		US-PATENT-4,111,851				US-PATENT-CLASS-117-235
N79-14169* #	c 25	NASA-CASE-ARC-11121-1				US-PATENT-CLASS-117-237
		US-PATENT-APPL-SN-850507				US-PATENT-CLASS-117-239
		US-PATENT-CLASS-204-180G				US-PATENT-CLASS-117-240
		US-PATENT-CLASS-204-180S				US-PATENT-CLASS-148-121
		US-PATENT-CLASS-204-299R				US-PATENT-CLASS-148-6
		US-PATENT-CLASS-23-230B				US-PATENT-CLASS-75-134D
		US-PATENT-CLASS-424-12				US-PATENT-3,837,908
		US-PATENT-4,130,471				NASA-CASE-ARC-11040-1
N79-14213* #	c 27	NASA-CASE-NPO-13690-2				US-PATENT-APPL-SN-778195
		US-PATENT-APPL-SN-858766				US-PATENT-CLASS-156-331
		US-PATENT-CLASS-264-60				US-PATENT-CLASS-428-117
		US-PATENT-CLASS-75-203				US-PATENT-CLASS-428-119
		US-PATENT-CLASS-75-205				US-PATENT-CLASS-428-375
		US-PATENT-CLASS-75-206				US-PATENT-CLASS-428-458
		US-PATENT-CLASS-75-212				US-PATENT-CLASS-428-73
		US-PATENT-CLASS-75-226				US-PATENT-4,135,019
		US-PATENT-4,131,459				NASA-CASE-GSC-12168-1
N79-14214* #	c 27	NASA-CASE-ARC-10892-2				US-PATENT-APPL-SN-838337
		US-PATENT-APPL-SN-589172				
		US-PATENT-APPL-SN-767912				
		US-PATENT-CLASS-427-294				
		US-PATENT-CLASS-427-411				
		US-PATENT-CLASS-428-411				
		US-PATENT-4,132,829				
N79-14528* #	c 44	NASA-CASE-NPO-10866-1				
		US-PATENT-APPL-SN-849274				
		US-PATENT-CLASS-149-19 9				
		US-PATENT-CLASS-149-19 92				
		US-PATENT-CLASS-149-20				
		US-PATENT-4,111,729				
N79-14529* #	c 44	NASA-CASE-NPO-13982-1				
		US-PATENT-APPL-SN-782464				
		US-PATENT-CLASS-329-122				
		US-PATENT-CLASS-343-14				
		US-PATENT-CLASS-364-458				
		US-PATENT-CLASS-364-604				
		US-PATENT-CLASS-364-728				
		US-PATENT-4,112,497				
N79-14749* #	c 52	NASA-CASE-NPO-14019-1				
		US-PATENT-APPL-SN-843308				
		US-PATENT-CLASS-343-100CL				
		US-PATENT-CLASS-343-5CM				
		US-PATENT-4,132,989				
		NASA-CASE-KSC-11057-1				
		US-PATENT-APPL-SN-835544				
		US-PATENT-CLASS-324-102				
		US-PATENT-CLASS-324-112				
		US-PATENT-CLASS-324-113				
		US-PATENT-CLASS-324-133				
		US-PATENT-CLASS-324-72				
		US-PATENT-4,112,357				
N79-14750* #	c 52	NASA-CASE-LEW-12661-1				
		US-PATENT-APPL-SN-837796				
		US-PATENT-CLASS-73-115				
		US-PATENT-4,111,041				
		NASA-CASE-LEW-12174-2				
		US-PATENT-APPL-SN-667929				
		US-PATENT-APPL-SN-853679				
		US-PATENT-CLASS-136-202				
		US-PATENT-CLASS-136-236				
		US-PATENT-4,111,718				
N79-14871* #	c 71	NASA-CASE-LAR-12230-1				
		US-PATENT-APPL-SN-835628				
		US-PATENT-CLASS-73-147				
		US-PATENT-CLASS-73-4R				
		US-PATENT-CLASS-73-714				
		US-PATENT-CLASS-73-721				
		US-PATENT-CLASS-73-756				
		US-PATENT-4,111,058				
N79-14891* #	c 74	NASA-CASE-NPO-13569-2				
		US-PATENT-APPL-SN-565162				
		US-PATENT-APPL-SN-804035				
		US-PATENT-CLASS-318-573				
		US-PATENT-CLASS-318-594				
		US-PATENT-CLASS-318-640				
		US-PATENT-4,132,940				
N79-14892* #	c 74	NASA-CASE-LAR-11859-1				
		US-PATENT-APPL-SN-861396				
		US-PATENT-CLASS-324-57R				
		US-PATENT-4,130,795				
N79-14906* #	c 76	NASA-CASE-GSC-12334-1				
		US-PATENT-APPL-SN-856464				
		US-PATENT-CLASS-324-0 5				
		US-PATENT-CLASS-331-94				
		US-PATENT-4,128,814				
N79-14924* #	c 33	NASA-CASE-LAR-11900-1				
		US-PATENT-APPL-SN-775239				
		US-PATENT-CLASS-403-105				
		US-PATENT-CLASS-416-61				
		US-PATENT-CLASS-74-586				
		US-PATENT-4,111,068				
N79-15245* #	c 33	NASA-CASE-NPO-13541-1				
		US-PATENT-APPL-SN-828262				
		US-PATENT-CLASS-81-119				
		US-PATENT-CLASS-81-180B				
		US-PATENT-CLASS-81-90B				
		US-PATENT-4,130,032				
N79-16246* #	c 35	NASA-CASE-MS-19672-1				
		US-PATENT-APPL-SN-696679				
		US-PATENT-CLASS-310-326				
		US-PATENT-CLASS-310-336				
		US-PATENT-CLASS-73-632				
		US-PATENT-CLASS-73-641				

	US-PATENT-APPL-SN-860405		US-PATENT-4,149,938		US-PATENT-APPL-SN-322997
	US-PATENT-CLASS-148-12 4	N79-24203* # c 32	NASA-CASE-LAR-12375-1		US-PATENT-APPL-SN-506803
	US-PATENT-CLASS-148-12F		US-PATENT-APPL-SN-900842		US-PATENT-APPL-SN-645502
	US-PATENT-CLASS-148-2		US-PATENT-CLASS-73-647		US-PATENT-CLASS-156-89
N79-22300* # c 27	US-PATENT-4,146,409		US-PATENT-CLASS-73-724		US-PATENT-CLASS-220-2 2
	NASA-CASE-ARC-11060-1		US-PATENT-4,149,423		US-PATENT-CLASS-65-43
	US-PATENT-APPL-SN-843090	N79-24210* # c 32	NASA-CASE-NPO-13641-1		US-PATENT-3,859,714
	US-PATENT-CLASS-260-307G		US-PATENT-APPL-SN-777983		US-PATENT-4,155,475
	US-PATENT-CLASS-528-401		US-PATENT-CLASS-343-100TD	N79-25443* # c 43	NASA-CASE-MFS-23720-3
	US-PATENT-CLASS-528-422		US-PATENT-4,148,031		US-PATENT-APPL-SN-848420
	US-PATENT-4,145,524	N79-24254* # c 33	NASA-CASE-NPO-14000-1		US-PATENT-CLASS-73-12
N79-22373* # c 33	NASA-CASE-KSC-11008-1		US-PATENT-APPL-SN-876431		US-PATENT-CLASS-73-82
	US-PATENT-APPL-SN-780729		US-PATENT-CLASS-307-82		US-PATENT-4,154,084
	US-PATENT-CLASS-324-123C		US-PATENT-CLASS-363-56	N79-25481* # c 44	NASA-CASE-LEW-12972-1
	US-PATENT-CLASS-324-99D		US-PATENT-CLASS-363-71		US-PATENT-APPL-SN-897829
	US-PATENT-CLASS-330-2		US-PATENT-CLASS-363-97		US-PATENT-CLASS-429-253
	US-PATENT-CLASS-330-51		US-PATENT-4,150,425		US-PATENT-CLASS-526-7
	US-PATENT-CLASS-330-86	N79-24257* # c 33	NASA-CASE-NPO-14056-1		US-PATENT-CLASS-526-9
	US-PATENT-4,109,213		US-PATENT-APPL-SN-833637		US-PATENT-4,154,912
N79-22474* # c 37	NASA-CASE-MFS-23646-1		US-PATENT-CLASS-363-134	N79-25482* # c 44	NASA-CASE-NPO-14199-1
	US-PATENT-APPL-SN-891372		US-PATENT-CLASS-363-71		NASA-CASE-NPO-14200-1
	US-PATENT-CLASS-138-96R		US-PATENT-CLASS-363-95		US-PATENT-APPL-SN-891243
	US-PATENT-CLASS-220-266		US-PATENT-4,149,233		US-PATENT-CLASS-136-89CA
	US-PATENT-CLASS-239-265 15	N79-24285* # c 34	NASA-CASE-MS-16841-1		US-PATENT-CLASS-136-89CC
	US-PATENT-CLASS-239-288		US-PATENT-APPL-SN-893382		US-PATENT-CLASS-136-89PC
	US-PATENT-CLASS-277-192		US-PATENT-CLASS-210-108		US-PATENT-CLASS-136-89SJ
	US-PATENT-4,146,180		US-PATENT-CLASS-210-142		US-PATENT-4,153,476
N79-22475* # c 37	NASA-CASE-LEW-11873-1		US-PATENT-CLASS-73-714	N79-26075* # c 12	NASA-CASE-MFS-23460-1
	US-PATENT-APPL-SN-814006		US-PATENT-4,151,086		US-PATENT-APPL-SN-746578
	US-PATENT-CLASS-277-62	N79-24431* # c 44	NASA-CASE-NPO-13652-2		US-PATENT-CLASS-13-20
	US-PATENT-CLASS-277-96 1		US-PATENT-APPL-SN-848794		US-PATENT-CLASS-13-22
	US-PATENT-4,145,058		US-PATENT-CLASS-228-5 1		US-PATENT-CLASS-13-24
N79-22537* # c 39	NASA-CASE-LAR-12027-1		US-PATENT-CLASS-228-6		US-PATENT-CLASS-219-410
	US-PATENT-APPL-SN-889670		US-PATENT-CLASS-29-57 4		US-PATENT-4,158,742
	US-PATENT-CLASS-73-770		US-PATENT-CLASS-29-57 2	N79-26100* # c 15	NASA-CASE-ARC-11104-1
	US-PATENT-CLASS-73-810		US-PATENT-CLASS-29-739		US-PATENT-APPL-SN-854920
	US-PATENT-4,145,933		US-PATENT-CLASS-29-809		US-PATENT-CLASS-244-121
N79-22679* # c 46	NASA-CASE-NPO-14112-1		US-PATENT-4,149,665		US-PATENT-CLASS-260-37EP
	US-PATENT-APPL-SN-826326	N79-24432* # c 44	NASA-CASE-NPO-13579-3		US-PATENT-CLASS-260-830S
	US-PATENT-CLASS-102-21 6		US-PATENT-APPL-SN-762363		US-PATENT-CLASS-264-102
	US-PATENT-CLASS-166-63		US-PATENT-CLASS-126-270		US-PATENT-CLASS-264-145
	US-PATENT-CLASS-175-1		US-PATENT-CLASS-264-1		US-PATENT-CLASS-264-151
	US-PATENT-CLASS-181-106		US-PATENT-CLASS-264-33		US-PATENT-CLASS-264-175
	US-PATENT-CLASS-181-117		US-PATENT-CLASS-264-34		US-PATENT-CLASS-264-236
	US-PATENT-4,148,375		US-PATENT-CLASS-264-35		US-PATENT-CLASS-428-220
N79-23097* # c 08	NASA-CASE-LAR-12215-1		US-PATENT-CLASS-264-510		US-PATENT-CLASS-428-413
	US-PATENT-APPL-SN-858762		US-PATENT-CLASS-264-516		US-PATENT-CLASS-428-414
	US-PATENT-CLASS-244-17 13		US-PATENT-CLASS-264-70		US-PATENT-CLASS-428-418
	US-PATENT-CLASS-244-195		US-PATENT-CLASS-264-71		US-PATENT-CLASS-428-421
	US-PATENT-CLASS-244-83G		US-PATENT-CLASS-350-292		US-PATENT-CLASS-428-920
	US-PATENT-CLASS-318-585		US-PATENT-CLASS-350-294		US-PATENT-4,156,752
	US-PATENT-CLASS-318-616		US-PATENT-CLASS-350-296		NASA-CASE-LAR-11889-1
	US-PATENT-CLASS-364-434		US-PATENT-CLASS-405-229	N79-26372* # c 35	US-PATENT-APPL-SN-662182
	US-PATENT-4,148,452		US-PATENT-CLASS-405-263		US-PATENT-CLASS-308-10
N79-23310* # c 32	NASA-CASE-KSC-11023-1		US-PATENT-4,149,817		US-PATENT-CLASS-73-178R
	US-PATENT-APPL-SN-918533	N79-24433* # c 44	NASA-CASE-NPO-13579-2		US-PATENT-4,156,548
	US-PATENT-CLASS-179-1MN		US-PATENT-APPL-SN-762362	N79-26439* # c 43	NASA-CASE-MFS-23726-1
	US-PATENT-CLASS-179-27CA		US-PATENT-CLASS-126-271		US-PATENT-APPL-SN-848418
	US-PATENT-CLASS-179-84VF		US-PATENT-CLASS-126-400		US-PATENT-CLASS-105-161
	US-PATENT-4,153,818		US-PATENT-CLASS-237-1A		US-PATENT-CLASS-299-1
N79-23345* # c 33	NASA-CASE-FRC-10116-1		US-PATENT-CLASS-350-288		US-PATENT-CLASS-33-1N
	US-PATENT-APPL-SN-885049		US-PATENT-CLASS-350-299		US-PATENT-CLASS-33-1Q
	US-PATENT-CLASS-323-22T		US-PATENT-4,149,521		US-PATENT-CLASS-33-174L
	US-PATENT-4,151,456	N79-24651* # c 54	NASA-CASE-ARC-11058-2		US-PATENT-CLASS-364-560
N79-23481* # c 44	NASA-CASE-MFS-23349-1		US-PATENT-APPL-SN-753965		US-PATENT-4,156,971
	US-PATENT-APPL-SN-823061		US-PATENT-APPL-SN-883094	N79-26474* # c 44	NASA-CASE-LEW-13150-1
	US-PATENT-CLASS-126-270		US-PATENT-CLASS-2-2 1A		US-PATENT-APPL-SN-914260
	US-PATENT-CLASS-126-271		US-PATENT-CLASS-285-235		US-PATENT-CLASS-429-101
	US-PATENT-4,148,295		US-PATENT-4,091,464		US-PATENT-CLASS-429-15
N79-23555* # c 46	NASA-CASE-NPO-14255-1		US-PATENT-4,151,612		US-PATENT-4,159,366
	US-PATENT-APPL-SN-830458	N79-24652* # c 54	NASA-CASE-NPO-13906-1	N79-26475* # c 44	NASA-CASE-MFS-23540-1
	US-PATENT-CLASS-181-115		US-PATENT-APPL-SN-837259		US-PATENT-APPL-SN-863773
	US-PATENT-CLASS-181-120		US-PATENT-CLASS-3-1 1		US-PATENT-CLASS-29-572
	US-PATENT-CLASS-340-12R		US-PATENT-CLASS-3-12 5		US-PATENT-CLASS-29-577
	US-PATENT-4,153,134		US-PATENT-CLASS-414-6		US-PATENT-CLASS-29-578
N79-23753* # c 71	NASA-CASE-NPO-14134-1		US-PATENT-4,149,278		US-PATENT-CLASS-29-580
	US-PATENT-APPL-SN-861392	N79-24976* # c 05	NASA-CASE-LEW-11890-1		US-PATENT-CLASS-357-45
	US-PATENT-CLASS-179-1DM		US-PATENT-APPL-SN-891244		US-PATENT-4,156,309
	US-PATENT-CLASS-179-1MF		US-PATENT-CLASS-137-15 1	N79-26771* # c 52	NASA-CASE-ARC-10994-2
	US-PATENT-CLASS-181-148		US-PATENT-CLASS-244-53B		US-PATENT-APPL-SN-759965
	US-PATENT-CLASS-340-8LF		US-PATENT-4,154,256		US-PATENT-CLASS-128-660
	US-PATENT-4,149,034	N79-25142* # c 24	NASA-CASE-MS-12737-1		US-PATENT-CLASS-73-626
N79-23798* # c 76	NASA-CASE-NPO-13969-1		US-PATENT-APPL-SN-788045		US-PATENT-4,154,230
	US-PATENT-APPL-SN-820499		US-PATENT-CLASS-102-105	N79-26772* # c 52	NASA-CASE-KSC-11069-1
	US-PATENT-CLASS-156-DIG 6-8		US-PATENT-CLASS-244-121		US-PATENT-APPL-SN-876438
	US-PATENT-CLASS-156-617SP		US-PATENT-CLASS-244-163		US-PATENT-CLASS-3-1 9
	US-PATENT-CLASS-423-345		US-PATENT-CLASS-427-350		US-PATENT-CLASS-3-12
	US-PATENT-4,152,194		US-PATENT-CLASS-427-372A		US-PATENT-CLASS-3-2
N79-24062* # c 24	NASA-CASE-ARC-11169-1		US-PATENT-CLASS-428-137		US-PATENT-4,158,895
	US-PATENT-APPL-SN-940688		US-PATENT-CLASS-428-282	N79-27836* # c 52	NASA-CASE-NPO-13910-1
	US-PATENT-CLASS-428-366		US-PATENT-CLASS-428-290		US-PATENT-APPL-SN-712270
	US-PATENT-4,148,962		US-PATENT-CLASS-428-332		US-PATENT-CLASS-128-329R
N79-24073* # c 25	NASA-CASE-LAR-11922-1		US-PATENT-CLASS-428-447		US-PATENT-CLASS-128-639
	US-PATENT-APPL-SN-856460		US-PATENT-CLASS-428-920		US-PATENT-4,154,228
	US-PATENT-CLASS-195-127		US-PATENT-4,151,800	N79-28253* # c 25	NASA-CASE-NPO-13650-1
	US-PATENT-CLASS-204-195B	N79-25143* # c 24	NASA-CASE-GSC-11577-3		US-PATENT-APPL-SN-704468

	US-PATENT-CLASS-118-49			US-PATENT-CLASS-250-272			US-PATENT-CLASS-422-187
	US-PATENT-CLASS-23-252R			US-PATENT-4,165,460			US-PATENT-CLASS-422-199
	US-PATENT-CLASS-248	N79-31752* #	c 44	NASA-CASE-NPO-14205-1			US-PATENT-CLASS-422-208
	US-PATENT-CLASS-253			US-PATENT-APPL-SN-920879			US-PATENT-CLASS-422-235
	US-PATENT-CLASS-337			US-PATENT-CLASS-106-1			US-PATENT-CLASS-422-242
	US-PATENT-CLASS-349			US-PATENT-CLASS-106-1 2			US-PATENT-CLASS-423-350
	US-PATENT-CLASS-423-33-5			US-PATENT-CLASS-136-89CC			US-PATENT-4,169,129
	US-PATENT-CLASS-427-95			US-PATENT-CLASS-252-514	N80-10507* #	c 39	NASA-CASE-NPO-14192-1
N79-28307* #	US-PATENT-4,033,286			US-PATENT-CLASS-29-572			US-PATENT-APPL-SN-830562
	NASA-CASE-LEW-12053-2			US-PATENT-CLASS-29-589			US-PATENT-CLASS-181-102
	US-PATENT-APPL-SN-796263			US-PATENT-CLASS-357-30			US-PATENT-CLASS-181-105
	US-PATENT-CLASS-260-37N			US-PATENT-CLASS-357-65			US-PATENT-CLASS-367-26
	US-PATENT-CLASS-260-42			US-PATENT-CLASS-357-67			US-PATENT-CLASS-467-28
	US-PATENT-CLASS-260-53			US-PATENT-CLASS-427-88			US-PATENT-4,168,483
	US-PATENT-CLASS-528-126			US-PATENT-4,163,678	N80-10709* #	c 46	NASA-CASE-NPO-14231-1
	US-PATENT-CLASS-528-127	N79-31753* #	c 44	NASA-CASE-NPO-14467-1			US-PATENT-APPL-SN-903019
	US-PATENT-CLASS-528-128			US-PATENT-APPL-SN-946994			US-PATENT-CLASS-175-78
	US-PATENT-CLASS-528-221			US-PATENT-CLASS-136-89PC			US-PATENT-CLASS-73-155
	US-PATENT-CLASS-528-223			US-PATENT-4,162,928			US-PATENT-4,167,111
	US-PATENT-CLASS-528-225	N79-33316* #	c 27	NASA-CASE-LAR-12054-1	N80-10799* #	c 54	NASA-CASE-MSC-16182-1
	US-PATENT-CLASS-528-227			US-PATENT-APPL-SN-839963			US-PATENT-APPL-SN-780938
	US-PATENT-CLASS-528-229			US-PATENT-CLASS-264-137			US-PATENT-CLASS-128-142R
	US-PATENT-CLASS-528-331			US-PATENT-CLASS-428-474			US-PATENT-CLASS-128-191R
	US-PATENT-CLASS-528-336			US-PATENT-CLASS-528-229			US-PATENT-CLASS-128-212
	US-PATENT-CLASS-528-337			US-PATENT-4,166,170			US-PATENT-4,168,706
	US-PATENT-CLASS-528-338	N79-33392* #	c 33	NASA-CASE-XMF-04494-1	N80-14107* #	c 05	NASA-CASE-ARC-11106-1
	US-PATENT-CLASS-528-342			US-PATENT-APPL-SN-547643			US-PATENT-APPL-SN-831633
	US-PATENT-CLASS-544-193			US-PATENT-CLASS-200-83			US-PATENT-CLASS-415-199
	US-PATENT-4,159,262			US-PATENT-3,378,657			US-PATENT-CLASS-416-228
N79-28342* #	NASA-CASE-NPO-14260-1	N79-33393* #	c 33	NASA-CASE-XMS-01244-1			US-PATENT-CLASS-416-238
	US-PATENT-APPL-SN-861390			US-PATENT-APPL-SN-20370			US-PATENT-4,168,939
	US-PATENT-CLASS-149-19 4			US-PATENT-CLASS-200-114	N80-14183* #	c 18	NASA-CASE-GSC-12331-1
	US-PATENT-CLASS-149-19 9			US-PATENT-3,123,692			US-PATENT-APPL-SN-943088
	US-PATENT-CLASS-149-20	N79-33449* #	c 35	NASA-CASE-XGS-01245-1			US-PATENT-CLASS-343-880
	US-PATENT-4,158,583			US-PATENT-APPL-SN-134619			US-PATENT-CLASS-343-883
N79-28370* #	NASA-CASE-MFS-23721-1			US-PATENT-CLASS-338-18			US-PATENT-4,176,360
	US-PATENT-APPL-SN-847277			US-PATENT-3,119,086	N80-14188* #	c 20	NASA-CASE-XLE-02062-1
	US-PATENT-CLASS-343-14	N79-33450* #	c 35	NASA-CASE-XGS-01293-1			US-PATENT-APPL-SN-545793
	US-PATENT-CLASS-343-5NA			US-PATENT-APPL-SN-150690			US-PATENT-CLASS-60-203
	US-PATENT-4,161,731			US-PATENT-CLASS-73-400			US-PATENT-CLASS-60-259
N79-28415* #	NASA-CASE-MSC-16697-1	N79-33467* #	c 37	US-PATENT-3,190,124	N80-14229* #	c 26	US-PATENT-4,171,615
	US-PATENT-APPL-SN-885067			NASA-CASE-XMS-01077-1			NASA-CASE-NPO-14474-1
	US-PATENT-CLASS-307-119			US-PATENT-APPL-SN-228049			US-PATENT-APPL-SN-918537
	US-PATENT-CLASS-307-98			US-PATENT-CLASS-312-319			US-PATENT-CLASS-423-149
	US-PATENT-CLASS-361-170	N79-33468* #	c 37	US-PATENT-3,123,418			US-PATENT-CLASS-423-293
	US-PATENT-4,161,661			NASA-CASE-HQN-00573-1			US-PATENT-CLASS-423-348
N79-28416* #	NASA-CASE-GSC-12171-1			US-PATENT-APPL-SN-129379			US-PATENT-CLASS-423-417
	US-PATENT-APPL-SN-878542			US-PATENT-CLASS-137-14			US-PATENT-CLASS-423-625
	US-PATENT-CLASS-343-909	N79-33469* #	c 37	US-PATENT-3,134,389	N80-14281* #	c 32	US-PATENT-4,172,883
	US-PATENT-4,160,254			NASA-CASE-XGS-01286-1			NASA-CASE-NPO-13830-1
N79-28527* #	NASA-CASE-NPO-13953-1			US-PATENT-APPL-SN-142583			US-PATENT-APPL-SN-703905
	US-PATENT-APPL-SN-880727			US-PATENT-CLASS-251-172			US-PATENT-APPL-SN-834257
	US-PATENT-CLASS-356-237	N79-34011* #	c 74	US-PATENT-3,233,862			US-PATENT-CLASS-333-81R
	US-PATENT-CLASS-356-404			NASA-CASE-NPO-14066-1			US-PATENT-CLASS-343-18A
	US-PATENT-4,160,601			US-PATENT-APPL-SN-827464			US-PATENT-CLASS-343-909
N79-28549* #	NASA-CASE-GSC-12297-1			US-PATENT-CLASS-250-216	N80-14330* #	c 33	US-PATENT-4,164,718
	US-PATENT-APPL-SN-880838			US-PATENT-CLASS-250-555			NASA-CASE-NPO-10857-1
	US-PATENT-CLASS-165-105	N80-10278* #	c 20	US-PATENT-4,166,959			US-PATENT-APPL-SN-888362
	US-PATENT-CLASS-357-74			NASA-CASE-MFS-23642-1			US-PATENT-CLASS-315-145
	US-PATENT-CLASS-357-79			US-PATENT-APPL-SN-923758			US-PATENT-CLASS-315-260
	US-PATENT-CLASS-357-81			US-PATENT-CLASS-137-177			US-PATENT-CLASS-315-334
	US-PATENT-CLASS-357-82			US-PATENT-CLASS-137-209			US-PATENT-3,635,537
	US-PATENT-CLASS-357-83			US-PATENT-CLASS-137-574	N80-14332* #	c 33	NASA-CASE-NPO-14350-1
	US-PATENT-4,161,747			US-PATENT-CLASS-137-576			US-PATENT-APPL-SN-921627
N79-28550* #	NASA-CASE-GSC-12274-1			US-PATENT-CLASS-137-590			US-PATENT-CLASS-250-310
	US-PATENT-APPL-SN-909100			US-PATENT-CLASS-244-135R			US-PATENT-CLASS-250-492A
	US-PATENT-CLASS-251-7			US-PATENT-324-158T			US-PATENT-CLASS-324-158T
	US-PATENT-CLASS-72-436	N80-10358* #	c 27	US-PATENT-4,172,228			US-PATENT-4,172,228
	US-PATENT-CLASS-72-451			NASA-CASE-MSC-14903-2	N80-14371* #	c 35	NASA-CASE-LAR-11690-1
	US-PATENT-CLASS-72-470			US-PATENT-APPL-SN-706424			US-PATENT-APPL-SN-928129
	US-PATENT-4,159,634			US-PATENT-APPL-SN-907435			US-PATENT-CLASS-73-655
N79-28551* #	NASA-CASE-ARC-11052-1			US-PATENT-CLASS-260-926			US-PATENT-CLASS-73-661
	US-PATENT-APPL-SN-826202			US-PATENT-4,092,466			US-PATENT-4,171,645
	US-PATENT-CLASS-414-4	N80-10374* #	c 28	US-PATENT-4,168,287	N80-14384* #	c 36	US-PATENT-4,171,645
	US-PATENT-4,160,508			NASA-CASE-NPO-13849-1			NASA-CASE-GSC-12237-1
N79-31228* #	NASA-CASE-LAR-12149-2			NASA-CASE-NPO-13907-1			US-PATENT-APPL-SN-837795
	US-PATENT-APPL-SN-829314			US-PATENT-APPL-SN-668783			US-PATENT-CLASS-331-94 5C
	US-PATENT-CLASS-35-12E			US-PATENT-CLASS-123-DIG 12			US-PATENT-CLASS-331-94 5P
	US-PATENT-CLASS-35-12H			US-PATENT-CLASS-123-179R			US-PATENT-4,173,001
	US-PATENT-4,164,079			US-PATENT-CLASS-123-3	N80-14395* #	c 37	NASA-CASE-XNP-08835-1
N79-31347* #	NASA-CASE-GSC-12303-1			US-PATENT-CLASS-23-288R			US-PATENT-APPL-SN-534931
	US-PATENT-APPL-SN-862880			US-PATENT-CLASS-423-650			US-PATENT-CLASS-204-224
	US-PATENT-CLASS-106-74			US-PATENT-CLASS-48-DIG 8	N80-14397* #	c 37	US-PATENT-3,352,774
	US-PATENT-CLASS-106-84			US-PATENT-CLASS-48-10-3			NASA-CASE-MFS-23284-1
	US-PATENT-4,162,169			US-PATENT-CLASS-48-102A			US-PATENT-APPL-SN-753103
N79-31523* #	NASA-CASE-GSC-12253-1			US-PATENT-CLASS-48-107			US-PATENT-CLASS-204-180G
	US-PATENT-APPL-SN-853677			US-PATENT-CLASS-48-117			US-PATENT-CLASS-204-299R
	US-PATENT-CLASS-165-105			US-PATENT-CLASS-48-61			US-PATENT-4,040,940
	US-PATENT-CLASS-165-32			US-PATENT-CLASS-60-300	N80-14398* #	c 37	NASA-CASE-GSC-12322-1
	US-PATENT-CLASS-244-1R			US-PATENT-CLASS-60-606			US-PATENT-APPL-SN-907366
	US-PATENT-CLASS-244-163	N80-10494* #	c 37	US-PATENT-4,033,133			US-PATENT-CLASS-244-161
	US-PATENT-4,162,701			NASA-CASE-NPO-14384-1			US-PATENT-CLASS-269-156
N79-31706* #	NASA-CASE-MFS-23725-1			US-PATENT-APPL-SN-880728			US-PATENT-CLASS-294-113
	US-PATENT-APPL-SN-848793			US-PATENT-CLASS-210-186			US-PATENT-CLASS-294-86R
	US-PATENT-CLASS-250-253			US-PATENT-CLASS-210-340			US-PATENT-CLASS-414-1
				US-PATENT-CLASS-239-102	N80-14423* #	c 43	US-PATENT-4,173,324
				US-PATENT-CLASS-239-302			NASA-CASE-MFS-23720-2

		US-PATENT-APPL-SN-848421		US-PATENT-APPL-SN-017888	N80-18393* #	c 37	NASA-CASE-ARC-11157-1
		US-PATENT-CLASS-73-12		US-PATENT-CLASS-204-180R			US-PATENT-APPL-SN-935827
		US-PATENT-CLASS-73-82		US-PATENT-CLASS-204-299R			US-PATENT-CLASS-220-423
		US-PATENT-4,157,655		US-PATENT-CLASS-424-12			US-PATENT-CLASS-220-445
N80-14472* #	c 44	NASA-CASE-LEW-12586-1	N80-16725* #	US-PATENT-4,181,589			US-PATENT-CLASS-220-901
		US-PATENT-APPL-SN-916655		NASA-CASE-NPO-14092-1			US-PATENT-4,184,609
		US-PATENT-CLASS-307-63		US-PATENT-APPL-SN-807597	N80-18400* #	c 37	NASA-CASE-NPO-12131-3
		US-PATENT-CLASS-307-66		US-PATENT-CLASS-128-DIG 9			US-PATENT-APPL-SN-096255
		US-PATENT-CLASS-323-15		US-PATENT-CLASS-128-348	N80-18402* #	c 37	NASA-CASE-LAR-11695-2
		US-PATENT-CLASS-323-19		US-PATENT-CLASS-128-6			US-PATENT-APPL-SN-103836
		US-PATENT-4,175,249		US-PATENT-CLASS-138-103	N80-18498* #	c 43	NASA-CASE-LAR-12344-1
N80-14473* #	c 44	NASA-CASE-MFS-23727-1		US-PATENT-CLASS-138-133			US-PATENT-APPL-SN-945041
		US-PATENT-APPL-SN-856465		US-PATENT-CLASS-138-33			US-PATENT-CLASS-343-18B
		US-PATENT-CLASS-126-438		US-PATENT-CLASS-219-201			US-PATENT-CLASS-343-18D
		US-PATENT-CLASS-126-442		US-PATENT-CLASS-219-522			US-PATENT-CLASS-343-50M
		US-PATENT-CLASS-350-295		US-PATENT-4,176,662			US-PATENT-CLASS-343-5W
		US-PATENT-CLASS-350-296	N80-18036* #	NASA-CASE-FRC-11009-1			US-PATENT-4,184,155
		US-PATENT-4,173,397		US-PATENT-APPL-SN-910708	N80-18550* #	c 44	NASA-CASE-NPO-14303-1
N80-14474* #	c 44	NASA-CASE-NPO-13652-3		US-PATENT-CLASS-340-177VA			NASA-CASE-NPO-14305-1
		US-PATENT-APPL-SN-809890		US-PATENT-CLASS-73-188			US-PATENT-APPL-SN-928133
		US-PATENT-APPL-SN-891358		US-PATENT-CLASS-73-189			US-PATENT-CLASS-156-104
		US-PATENT-CLASS-136-89P		US-PATENT-CLASS-73-212			US-PATENT-CLASS-156-278
		US-PATENT-CLASS-29-572		US-PATENT-4,184,149			US-PATENT-CLASS-156-285
		US-PATENT-CLASS-29-588	N80-18039* #	NASA-CASE-LEW-12971-1			US-PATENT-CLASS-156-303
		US-PATENT-CLASS-29-627		US-PATENT-APPL-SN-858936			US-PATENT-CLASS-156-312
		US-PATENT-4,133,697		US-PATENT-CLASS-60-240			US-PATENT-4,184,903
		US-PATENT-4,173,820		US-PATENT-CLASS-60-39 03	N80-18551* #	c 44	NASA-CASE-NPO-14096-1
N80-14579* #	c 45	NASA-CASE-NPO-14340-1		US-PATENT-CLASS-60-39.27			US-PATENT-APPL-SN-928128
		US-PATENT-APPL-SN-946992		US-PATENT-4,184,327			US-PATENT-CLASS-324-158D
		US-PATENT-CLASS-210-57	N80-18097* #	NASA-CASE-MSC-18179-1			US-PATENT-CLASS-324-404
		US-PATENT-CLASS-210-63Z		US-PATENT-APPL-SN-931218			US-PATENT-4,184,111
		US-PATENT-CLASS-422-9		US-PATENT-CLASS-60-63Z	N80-18552* #	c 44	NASA-CASE-LAR-11999-1
		US-PATENT-4,172,786		US-PATENT-4,183,217			US-PATENT-APPL-SN-876299
N80-14603* #	c 46	NASA-CASE-NPO-14124-1	N80-18231* #	NASA-CASE-NPO-14382-1			US-PATENT-CLASS-250-211K
		US-PATENT-APPL-SN-863024		US-PATENT-APPL-SN-891373			US-PATENT-CLASS-250-231SE
		US-PATENT-CLASS-343-100ME		US-PATENT-CLASS-261-118			US-PATENT-4,184,072
		US-PATENT-CLASS-343-112D		US-PATENT-CLASS-422-224	N80-18667* #	c 48	NASA-CASE-MFS-23862-1
		US-PATENT-4,170,776		US-PATENT-CLASS-423-350			US-PATENT-APPL-SN-951423
N80-14684* #	c 52	NASA-CASE-LEW-12955-1		US-PATENT-4,188,368			US-PATENT-CLASS-73-170A
		US-PATENT-APPL-SN-829318	N80-18252* #	NASA-CASE-NPO-14152-1			US-PATENT-4,184,368
		US-PATENT-CLASS-128-276		US-PATENT-APPL-SN-899828	N80-18690* #	c 52	NASA-CASE-LEW-12723-1
		US-PATENT-4,157,718		US-PATENT-CLASS-178-58R			US-PATENT-APPL-SN-829317
N80-14687* #	c 52	NASA-CASE-NPO-14101-1		US-PATENT-CLASS-179-15BA			US-PATENT-CLASS-128-276
		US-PATENT-APPL-SN-772434		US-PATENT-4,187,394			US-PATENT-CLASS-128-760
		US-PATENT-CLASS-210-22	N80-18253* #	NASA-CASE-NPO-14328-1			US-PATENT-4,184,491
		US-PATENT-CLASS-210-321B		NASA-CASE-NPO-14579-1	N80-18691* #	c 52	NASA-CASE-ARC-11120-1
		US-PATENT-4,094,775		NASA-CASE-NPO-14590-1			US-PATENT-APPL-SN-796256
N80-14877* #	c 72	NASA-CASE-NPO-14078-1		US-PATENT-APPL-SN-956160			US-PATENT-CLASS-128-748
		US-PATENT-APPL-SN-856466		US-PATENT-CLASS-325-305			US-PATENT-CLASS-128-903
		US-PATENT-CLASS-250-281		US-PATENT-CLASS-325-307			US-PATENT-CLASS-73-724
		US-PATENT-CLASS-250-282		US-PATENT-CLASS-325-419			US-PATENT-4,186,749
		US-PATENT-CLASS-250-423P		US-PATENT-4,186,347	N80-18951* #	c 76	NASA-CASE-GSC-12291-1
		US-PATENT-4,158,775	N80-18285* #	NASA-CASE-NPO-14229-1			US-PATENT-APPL-SN-906298
N80-16116* #	c 25	NASA-CASE-ARC-11107-1		US-PATENT-APPL-SN-835419			US-PATENT-CLASS-125-23R
		US-PATENT-APPL-SN-883961		US-PATENT-APPL-SN-949886			US-PATENT-CLASS-269-21
		US-PATENT-CLASS-521-124		US-PATENT-CLASS-200-153S			US-PATENT-CLASS-51-235
		US-PATENT-CLASS-521-125		US-PATENT-CLASS-200-304			US-PATENT-CLASS-83-152
		US-PATENT-CLASS-521-127		US-PATENT-CLASS-333-262			US-PATENT-CLASS-83-870
		US-PATENT-CLASS-521-157		US-PATENT-4,187,416			US-PATENT-4,184,472
		US-PATENT-CLASS-528-73	N80-18286* #	NASA-CASE-GSC-12347-1			NASA-CASE-MSC-18172-1
		US-PATENT-4,177,333		US-PATENT-APPL-SN-868249	N80-19237* #	c 26	US-PATENT-APPL-SN-119334
N80-16158* #	c 27	NASA-CASE-LAR-12099-1		US-PATENT-CLASS-174-142			NASA-CASE-LEW-12296-1
		US-PATENT-APPL-SN-906299		US-PATENT-CLASS-174-73R	N80-19425* #	c 33	US-PATENT-APPL-SN-122966
		US-PATENT-CLASS-528-207		US-PATENT-4,185,164			NASA-CASE-LAR-12261-1
		US-PATENT-CLASS-528-208		NASA-CASE-NPO-14224-1	N80-20224* #	c 02	US-PATENT-APPL-SN-964009
		US-PATENT-4,180,648		US-PATENT-APPL-SN-951829			US-PATENT-CLASS-73-147
N80-16163* #	c 27	NASA-CASE-NPO-14021-2		US-PATENT-CLASS-310-306			US-PATENT-CLASS-73-205L
		US-PATENT-APPL-SN-106188		US-PATENT-CLASS-343-100R			US-PATENT-4,188,823
N80-16261* #	c 32	NASA-CASE-NPO-14362-1		US-PATENT-CLASS-343-100ST	N80-20334* #	c 25	NASA-CASE-NPO-14079-1
		US-PATENT-APPL-SN-106118		US-PATENT-4,187,506			US-PATENT-APPL-SN-958573
N80-16321* #	c 36	NASA-CASE-LAR-12176-1	N80-18357* #	NASA-CASE-NPO-14501-1			US-PATENT-CLASS-250-307
		US-PATENT-APPL-SN-929083		US-PATENT-APPL-SN-918535			US-PATENT-CLASS-250-308
		US-PATENT-CLASS-332-751		US-PATENT-CLASS-264-40 4			US-PATENT-4,194,115
		US-PATENT-CLASS-350-359		US-PATENT-CLASS-73-343R	N80-20402* #	c 28	NASA-CASE-LEW-12081-2
		US-PATENT-CLASS-356-243		US-PATENT-CLASS-73-56			US-PATENT-APPL-SN-676432
		US-PATENT-CLASS-356-28		US-PATENT-4,185,493			US-PATENT-APPL-SN-837794
		US-PATENT-4,176,950	N80-18358* #	NASA-CASE-LAR-12269-1			US-PATENT-CLASS-149-1
N80-16452* #	c 44	NASA-CASE-MFS-23518-3		US-PATENT-APPL-SN-934576			US-PATENT-CLASS-423-648R
		US-PATENT-APPL-SN-829390		US-PATENT-CLASS-73-4R			US-PATENT-4,193,827
		US-PATENT-APPL-SN-910793		US-PATENT-CLASS-73-40	N80-20448* #	c 32	NASA-CASE-NPO-14480-1
		US-PATENT-CLASS-126-417		US-PATENT-4,182,158			US-PATENT-APPL-SN-910707
		US-PATENT-CLASS-126-901		NASA-CASE-GSC-12219-1			US-PATENT-CLASS-325-14
		US-PATENT-CLASS-428-629	N80-18359* #	US-PATENT-APPL-SN-891356			US-PATENT-CLASS-325-4
		US-PATENT-CLASS-428-650		US-PATENT-CLASS-325-363			US-PATENT-CLASS-325-8
		US-PATENT-CLASS-428-658		US-PATENT-CLASS-343-100ME			US-PATENT-CLASS-325-9
		US-PATENT-CLASS-428-675		US-PATENT-CLASS-356-216			US-PATENT-4,189,675
		US-PATENT-CLASS-428-680		US-PATENT-CLASS-73-355R	N80-20487* #	c 33	NASA-CASE-LEW-13148-1
		US-PATENT-4,104,134		US-PATENT-4,178,100			US-PATENT-APPL-SN-964754
		US-PATENT-4,177,325	N80-18364* #	NASA-CASE-NPO-13606-2			US-PATENT-CLASS-429-101
N80-16714* #	c 51	NASA-CASE-MSC-16260-1		US-PATENT-APPL-SN-065676			US-PATENT-CLASS-429-105
		US-PATENT-APPL-SN-876440	N80-18372* #	NASA-CASE-NPO-14254-1			US-PATENT-CLASS-429-107
		US-PATENT-CLASS-23-927		US-PATENT-APPL-SN-876432			US-PATENT-CLASS-429-109
		US-PATENT-CLASS-422-52		US-PATENT-CLASS-330-4			US-PATENT-4,192,910
		US-PATENT-CLASS-435-34		US-PATENT-CLASS-331-94	N80-20559* #	c 35	NASA-CASE-LAR-12304-1
		US-PATENT-4,176,007		US-PATENT-CLASS-333-24R			US-PATENT-APPL-SN-928130
N80-16715* #	c 51	NASA-CASE-MFS-23883-1		US-PATENT-4,187,470			US-PATENT-CLASS-29-25 35

	US-PATENT-CLASS-310-311		US-PATENT-CLASS-331-65	N80-26388* #	c 24	NASA-CASE-MFS-23626-1
	US-PATENT-CLASS-310-327		US-PATENT-CLASS-340-602			US-PATENT-APPL-SN-941711
	US-PATENT-CLASS-310-334		US-PATENT-CLASS-340-604			US-PATENT-CLASS-156-212
	US-PATENT-CLASS-310-360		US-PATENT-4,197,530			US-PATENT-CLASS-156-213
N80-20560* #	US-PATENT-4,195,244	N80-23653* #	NASA-CASE-MSC-16938-1	c 37		US-PATENT-CLASS-156-285
	NASA-CASE-FRC-10093-1		US-PATENT-APPL-SN-938582			US-PATENT-CLASS-260-17 2
	US-PATENT-APPL-SN-878539		US-PATENT-CLASS-151-41 76			US-PATENT-CLASS-264-118
	US-PATENT-CLASS-219-85CA	N80-23654* #	US-PATENT-4,193,435	c 37		US-PATENT-CLASS-264-119
	US-PATENT-CLASS-219-85CM		NASA-CASE-NPO-14473-1			US-PATENT-CLASS-264-124
	US-PATENT-CLASS-219-85FR		US-PATENT-APPL-SN-938300		N80-26446* #	US-PATENT-4,204,899
	US-PATENT-CLASS-338-2		US-PATENT-CLASS-137-375			NASA-CASE-MSC-16074-1
	US-PATENT-4,195,279		US-PATENT-CLASS-137-625 4			US-PATENT-APPL-SN-747674
N80-20563* #	NASA-CASE-NPO-14093-1		US-PATENT-CLASS-251-138	c 35		US-PATENT-CLASS-204-159 15
	US-PATENT-APPL-SN-880729		US-PATENT-CLASS-251-86			US-PATENT-CLASS-204-159 19
	US-PATENT-CLASS-356-346		US-PATENT-4,195,666			US-PATENT-CLASS-525-426
	US-PATENT-4,193,693	N80-23655* #	NASA-CASE-GSC-12318-1	c 37		US-PATENT-CLASS-8-DIG 12
	NASA-CASE-NPO-14237-1		US-PATENT-APPL-SN-894213			US-PATENT-CLASS-8-DIG 18
	US-PATENT-APPL-SN-897831		US-PATENT-CLASS-219-160			US-PATENT-CLASS-8-115 5
	US-PATENT-CLASS-126-263		US-PATENT-CLASS-219-161			US-PATENT-4,203,723
	US-PATENT-CLASS-149-15		US-PATENT-CLASS-228-212		N80-26599* #	NASA-CASE-FRC-10113-1
	US-PATENT-CLASS-149-37		US-PATENT-CLASS-228-222	c 33		US-PATENT-APPL-SN-885066
	US-PATENT-CLASS-220-429		US-PATENT-CLASS-228-44 1R			US-PATENT-CLASS-324-51
	US-PATENT-4,193,388		US-PATENT-CLASS-269-287			US-PATENT-4,204,154
N80-20810* #	NASA-CASE-LAR-12205-1	N80-26601* #	US-PATENT-4,196,840	c 33		NASA-CASE-GSC-12555-1
	US-PATENT-APPL-SN-900843		NASA-CASE-MFS-23720-1			US-PATENT-APPL-SN-153240
	US-PATENT-CLASS-126-419	N80-26635* #	US-PATENT-APPL-SN-848419	c 35		NASA-CASE-NPO-14372-1
	US-PATENT-CLASS-126-434		US-PATENT-CLASS-73-12			US-PATENT-APPL-SN-646333
	US-PATENT-CLASS-126-437		US-PATENT-CLASS-73-82			US-PATENT-APPL-SN-956529
	US-PATENT-CLASS-165-32		US-PATENT-4,195,512			US-PATENT-CLASS-250-338
	US-PATENT-4,192,290	N80-23969* #	NASA-CASE-FRC-11012-1	c 52		US-PATENT-CLASS-250-352
	NASA-CASE-LAR-12178-1		US-PATENT-APPL-SN-928137			US-PATENT-CLASS-250-353
	US-PATENT-APPL-SN-953390		US-PATENT-CLASS-128-666			US-PATENT-CLASS-356-328
	US-PATENT-CLASS-350-25		US-PATENT-CLASS-128-690			US-PATENT-4,205,229
	US-PATENT-CLASS-350-285		US-PATENT-4,198,988		N80-26658* #	NASA-CASE-LEW-12131-2
	US-PATENT-CLASS-356-150	N80-24149* #	NASA-CASE-GSC-12348-1	c 74		US-PATENT-APPL-SN-801290
	US-PATENT-CLASS-356-152		US-PATENT-APPL-SN-929088			US-PATENT-APPL-SN-931090
	US-PATENT-4,189,234		US-PATENT-CLASS-51-277			US-PATENT-CLASS-415-174
	NASA-CASE-GSC-12357-1		US-PATENT-CLASS-51-283R			US-PATENT-CLASS-415-196
	US-PATENT-APPL-SN-943089		US-PATENT-CLASS-65-61			US-PATENT-4,135,851
	US-PATENT-CLASS-250-277CH		US-PATENT-4,198,788			US-PATENT-4,207,024
	US-PATENT-CLASS-250-280	N80-24437* #	NASA-CASE-LEW-13027-1	c 27		NASA-CASE-MSC-16777-1
	US-PATENT-CLASS-350-162R		US-PATENT-APPL-SN-958575		N80-27067* #	US-PATENT-APPL-SN-893657
	US-PATENT-CLASS-356-334		US-PATENT-CLASS-427-164			US-PATENT-CLASS-204-195B
	US-PATENT-4,192,994		US-PATENT-CLASS-427-38			US-PATENT-CLASS-23-230B
	NASA-CASE-GSC-12273-1		US-PATENT-CLASS-427-40			US-PATENT-CLASS-422-68
	US-PATENT-APPL-SN-897830		US-PATENT-CLASS-428-421			US-PATENT-CLASS-435-289
	US-PATENT-CLASS-244-165		US-PATENT-CLASS-428-474			US-PATENT-CLASS-435-290
	US-PATENT-CLASS-244-170		US-PATENT-4,199,650			US-PATENT-CLASS-435-291
	US-PATENT-4,193,570	N80-24438* #	NASA-CASE-MSC-14903-3	c 27		US-PATENT-CLASS-435-3
	NASA-CASE-MFS-23515-1		US-PATENT-APPL-SN-706424			US-PATENT-CLASS-435-311
	US-PATENT-APPL-SN-880726		US-PATENT-APPL-SN-907479			US-PATENT-CLASS-435-316
	US-PATENT-CLASS-415-101		US-PATENT-CLASS-260-DIG 29			US-PATENT-CLASS-435-32
	US-PATENT-CLASS-415-2		US-PATENT-CLASS-525-326			US-PATENT-CLASS-435-34
	US-PATENT-4,191,505		US-PATENT-CLASS-525-336			US-PATENT-CLASS-435-39
	NASA-CASE-ARC-11154-1		US-PATENT-CLASS-525-340			US-PATENT-4,204,037
	US-PATENT-APPL-SN-921626		US-PATENT-CLASS-525-374			NASA-CASE-NPO-14212-1
	US-PATENT-CLASS-521-146		US-PATENT-CLASS-525-375		N80-27072* #	US-PATENT-APPL-SN-838308
	US-PATENT-CLASS-521-55		US-PATENT-CLASS-526-261	c 52		US-PATENT-CLASS-128-642
	US-PATENT-CLASS-521-918		US-PATENT-CLASS-526-275			US-PATENT-CLASS-128-774
	US-PATENT-CLASS-525-4		US-PATENT-CLASS-526-276			US-PATENT-CLASS-128-782
	US-PATENT-CLASS-55-66		US-PATENT-CLASS-526-278			US-PATENT-CLASS-33-125R
	US-PATENT-CLASS-55-67		US-PATENT-CLASS-528-481			US-PATENT-CLASS-338-2
	US-PATENT-CLASS-55-68		US-PATENT-4,200,721			US-PATENT-CLASS-73-781
	US-PATENT-CLASS-55-72	N80-24510* #	NASA-CASE-NPO-14524-1	c 32		US-PATENT-4,204,544
	US-PATENT-4,198,792		NASA-CASE-NPO-14527-1			NASA-CASE-NPO-14324-1
	NASA-CASE-MFS-23816-1		US-PATENT-APPL-SN-957452		N80-27163* #	US-PATENT-APPL-SN-940970
	US-PATENT-APPL-SN-974292		US-PATENT-CLASS-350-294	c 72		US-PATENT-CLASS-250-427
	US-PATENT-CLASS-148-32		US-PATENT-CLASS-350-6 5			US-PATENT-CLASS-313-156
	US-PATENT-CLASS-75-135		US-PATENT-CLASS-350-6 6			US-PATENT-CLASS-313-362
	US-PATENT-CLASS-75-138		US-PATENT-CLASS-356-28 5			US-PATENT-CLASS-313-363
	US-PATENT-CLASS-75-178R		US-PATENT-4,201,468			US-PATENT-4,206,383
	US-PATENT-4,198,232	N80-24573* #	NASA-CASE-LEW-12441-2	c 34		NASA-CASE-LAR-12251-1
	NASA-CASE-ARC-10980-1		US-PATENT-APPL-SN-559846		N80-27185* #	US-PATENT-APPL-SN-953389
	US-PATENT-APPL-SN-694407		US-PATENT-APPL-SN-856462	c 74		US-PATENT-CLASS-350-175E
	US-PATENT-CLASS-204-171		US-PATENT-CLASS-239-127 1			US-PATENT-CLASS-350-226
	US-PATENT-CLASS-210-23H		US-PATENT-CLASS-60-267			US-PATENT-4,206,970
	US-PATENT-CLASS-210-500M		US-PATENT-4,199,937		N80-28300* #	NASA-CASE-FRC-11024-1
	US-PATENT-CLASS-427-245		NASA-CASE-NPO-14635-1	c 02		US-PATENT-APPL-SN-015983
	US-PATENT-CLASS-427-41		US-PATENT-APPL-SN-008212			US-PATENT-CLASS-73-180
	US-PATENT-4,199,448		US-PATENT-CLASS-136-89SG			US-PATENT-CLASS-73-182
N80-23471* #	NASA-CASE-NPO-14109-1		US-PATENT-CLASS-156-DIG 64	c 28		US-PATENT-CLASS-73-861 65
	US-PATENT-APPL-SN-946990		US-PATENT-CLASS-156-605			US-PATENT-CLASS-73-861 66
	US-PATENT-CLASS-149-108 4		US-PATENT-CLASS-156-617SP			US-PATENT-4,212,199
	US-PATENT-CLASS-23-300		US-PATENT-CLASS-252-62 3E			NASA-CASE-LAR-11821-1
	US-PATENT-CLASS-23-302A		US-PATENT-4,210,622		N80-28492* #	US-PATENT-APPL-SN-023501
	US-PATENT-CLASS-23-302R	N80-24906* #	NASA-CASE-NPO-14558-1	c 46		US-PATENT-CLASS-148-131
	US-PATENT-CLASS-23-302T		US-PATENT-APPL-SN-945436			US-PATENT-CLASS-266-119
	US-PATENT-4,198,209		US-PATENT-CLASS-73-155			US-PATENT-CLASS-266-249
N80-23524* #	NASA-CASE-NPO-14519-1		US-PATENT-4,196,619	c 32		US-PATENT-CLASS-266-274
	US-PATENT-APPL-SN-008207		NASA-CASE-ARC-10814-2			US-PATENT-4,212,690
	US-PATENT-CLASS-343-786	N80-26298* #	US-PATENT-APPL-SN-684045	c 07		NASA-CASE-NPO-14477-1
	US-PATENT-CLASS-343-895		US-PATENT-APPL-SN-831632		N80-28536* #	US-PATENT-APPL-SN-951830
	US-PATENT-4,199,764		US-PATENT-CLASS-60-39 06	c 28		US-PATENT-CLASS-149-19 2
	NASA-CASE-NPO-13804-1		US-PATENT-CLASS-60-733			US-PATENT-CLASS-149-19 9
N80-23559* #	US-PATENT-APPL-SN-766999		US-PATENT-CLASS-60-746	c 33		US-PATENT-CLASS-149-20
	US-PATENT-CLASS-310-319		US-PATENT-4,204,402			

		US-PATENT-CLASS-363-56	N81-15119* #	c 28	NASA-CASE-NPO-14110-1			US-PATENT-4,242,498
		US-PATENT-CLASS-363-71			US-PATENT-APPL-SN-947000	N81-17260* #	c 27	NASA-CASE-LEW-13226-1
		US-PATENT-CLASS-363-78			US-PATENT-CLASS-149-108 4			US-PATENT-APPL-SN-070771
N81-14221* #	c 33	US-PATENT-4,222,098			US-PATENT-CLASS-23-293R			US-PATENT-CLASS-260-326N
		NASA-CASE-GSC-12411-1			US-PATENT-CLASS-252-364			US-PATENT-CLASS-260-326S
		US-PATENT-APPL-SN-965367			US-PATENT-CLASS-260-96D			US-PATENT-CLASS-260-37EP
		US-PATENT-CLASS-340-309 4			US-PATENT-CLASS-263-1			US-PATENT-CLASS-528-118
		US-PATENT-CLASS-340-310A			US-PATENT-CLASS-423-131			US-PATENT-CLASS-528-322
		US-PATENT-CLASS-340-310R			US-PATENT-CLASS-423-658 5			US-PATENT-CLASS-538-117
		US-PATENT-CLASS-340-870 24			US-PATENT-CLASS-525-384	N81-17261* #	c 27	US-PATENT-4,244,857
		US-PATENT-CLASS-368-47			US-PATENT-CLASS-526-914			NASA-CASE-NPO-14315-1
		US-PATENT-CLASS-370-85			US-PATENT-CLASS-75-25			US-PATENT-APPL-SN-900659
		US-PATENT-4,228,422			US-PATENT-4,229,182			US-PATENT-CLASS-201-10
N81-14287* #	c 35	NASA-CASE-NPO-14513-1	N81-15154* #	c 31	NASA-CASE-NPO-13758-2			US-PATENT-CLASS-201-25
		US-PATENT-APPL-SN-025162			US-PATENT-APPL-SN-623389			US-PATENT-CLASS-201-8
		US-PATENT-CLASS-165-105			US-PATENT-APPL-SN-727444			US-PATENT-CLASS-44-50
		US-PATENT-CLASS-62-514R			US-PATENT-CLASS-110-218			US-PATENT-CLASS-44-62
		US-PATENT-4,218,892			US-PATENT-CLASS-110-229			US-PATENT-4,246,001
N81-14317* #	c 37	NASA-CASE-MS-C-16973-1			US-PATENT-CLASS-110-232	N81-17262* #	c 27	NASA-CASE-ARC-11253-1
		US-PATENT-APPL-SN-969756			US-PATENT-CLASS-110-343			US-PATENT-APPL-SN-028301
		US-PATENT-CLASS-150-11			US-PATENT-CLASS-110-347			US-PATENT-CLASS-528-310
		US-PATENT-CLASS-156-294			US-PATENT-CLASS-202-118			US-PATENT-CLASS-528-362
		US-PATENT-CLASS-52-232			US-PATENT-CLASS-264-23			US-PATENT-CLASS-528-401
		US-PATENT-CLASS-52-743			US-PATENT-CLASS-425-378R			US-PATENT-CLASS-528-422
		US-PATENT-4,235,060			US-PATENT-4,206,713			US-PATENT-4,245,085
N81-14318* #	c 37	NASA-CASE-NPO-14220-1	N81-15179* #	c 32	NASA-CASE-MS-C-18035-1	N81-17348* #	c 33	NASA-CASE-MFS-23845-1
		US-PATENT-APPL-SN-907421			US-PATENT-APPL-SN-041142			US-PATENT-APPL-SN-938298
		US-PATENT-CLASS-60-518			US-PATENT-CLASS-375-1			US-PATENT-CLASS-307-233R
		US-PATENT-CLASS-74-417			US-PATENT-CLASS-375-115			US-PATENT-CLASS-307-306
		US-PATENT-4,228,656			US-PATENT-CLASS-375-58			US-PATENT-CLASS-333-204
N81-14319* #	c 37	NASA-CASE-LAR-11855-1			US-PATENT-4,221,005			US-PATENT-4,227,096
		US-PATENT-APPL-SN-953314	N81-15192* #	c 33	NASA-CASE-NPO-14444-1	N81-17349* #	c 33	NASA-CASE-MS-C-16747-1
		US-PATENT-CLASS-407-117			US-PATENT-APPL-SN-017890			US-PATENT-APPL-SN-974475
		US-PATENT-CLASS-407-85			US-PATENT-CLASS-332-22			US-PATENT-CLASS-328-134
		US-PATENT-CLASS-408-1R			US-PATENT-CLASS-332-23R			US-PATENT-CLASS-328-378
		US-PATENT-CLASS-82-1 2			US-PATENT-CLASS-375-54			US-PATENT-CLASS-328-55
		US-PATENT-CLASS-82-1C			US-PATENT-CLASS-375-67			US-PATENT-CLASS-331-48
		US-PATENT-CLASS-82-36R			US-PATENT-CLASS-455-102			US-PATENT-4,241,308
		US-PATENT-4,218,941			US-PATENT-4,216,542	N81-17432* #	c 37	NASA-CASE-NPO-14388-1
N81-14320* #	c 37	NASA-CASE-GSC-12429-1	N81-15194* #	c 33	NASA-CASE-NPO-14998-1			US-PATENT-APPL-SN-008208
		US-PATENT-APPL-SN-009888			US-PATENT-APPL-SN-195547			US-PATENT-CLASS-60-518
		US-PATENT-CLASS-244-161	N81-15363* #	c 37	NASA-CASE-MS-C-18134-1			US-PATENT-CLASS-74-417
		US-PATENT-CLASS-294-106			US-PATENT-APPL-SN-974472			US-PATENT-4,240,256
		US-PATENT-CLASS-414-1			US-PATENT-CLASS-277-181	N81-17433* #	c 37	NASA-CASE-ARC-11251-1
		US-PATENT-4,219,171			US-PATENT-CLASS-277-229			US-PATENT-APPL-SN-057465
N81-14389* #	c 44	NASA-CASE-NPO-14416-1			US-PATENT-4,219,203			US-PATENT-CLASS-128-DIG 20
		US-PATENT-APPL-SN-014664	N81-15364* #	c 37	NASA-CASE-NPO-14170-1			US-PATENT-CLASS-137-549
		US-PATENT-CLASS-29-DIG 1			US-PATENT-APPL-SN-860404			US-PATENT-CLASS-137-886
		US-PATENT-CLASS-29-832			US-PATENT-CLASS-188-134			US-PATENT-CLASS-137-887
		US-PATENT-4,219,926			US-PATENT-CLASS-188-180			US-PATENT-CLASS-251-216
N81-14605* #	c 51	NASA-CASE-ARC-11114-1			US-PATENT-CLASS-188-184			US-PATENT-CLASS-251-339
		US-PATENT-APPL-SN-951422			US-PATENT-CLASS-244-173			US-PATENT-4,239,057
		US-PATENT-CLASS-128-DIG 12	N81-15706* #	c 60	US-PATENT-4,219,107	N81-17499* #	c 43	NASA-CASE-FRC-11013-1
		US-PATENT-CLASS-128-DIG 16			NASA-CASE-NPO-14162-1			US-PATENT-APPL-SN-043912
		US-PATENT-CLASS-128-DIG 26			NASA-CASE-NPO-14167-1			US-PATENT-CLASS-244-160
		US-PATENT-CLASS-128-DIG 6			NASA-CASE-NPO-14169-1			US-PATENT-CLASS-244-49
		US-PATENT-CLASS-128-DIG 9			US-PATENT-APPL-SN-893903			US-PATENT-4,240,601
		US-PATENT-CLASS-128-204 18			US-PATENT-CLASS-307-219	N81-17518* #	c 44	NASA-CASE-NPO-14619-1
		US-PATENT-CLASS-128-207 14			US-PATENT-CLASS-307-225R			US-PATENT-APPL-SN-027559
		US-PATENT-CLASS-128-207 28			US-PATENT-CLASS-307-269			US-PATENT-CLASS-126-419
		US-PATENT-CLASS-128-236			US-PATENT-CLASS-307-291			US-PATENT-CLASS-60-524
		US-PATENT-4,212,297			US-PATENT-CLASS-328-192			US-PATENT-CLASS-60-641
N81-14612* #	c 52	NASA-CASE-ARC-11117-1			US-PATENT-CLASS-328-48			US-PATENT-4,236,383
		US-PATENT-APPL-SN-003693			US-PATENT-CLASS-328-71	N81-17886* #	c 74	NASA-CASE-NPO-14219-1
		US-PATENT-CLASS-128-642			US-PATENT-4,213,064			US-PATENT-APPL-SN-888432
		US-PATENT-4,219,027	N81-15767* #	c 71	NASA-CASE-MFS-25050-1			US-PATENT-CLASS-350-301
N81-14613* #	c 52	NASA-CASE-ARC-11118-2			US-PATENT-APPL-SN-057466			US-PATENT-CLASS-354-118
		US-PATENT-APPL-SN-850504			US-PATENT-CLASS-308-10			US-PATENT-CLASS-362-11
		US-PATENT-APPL-SN-974476			US-PATENT-CLASS-73-505			US-PATENT-CLASS-362-241
		US-PATENT-CLASS-424-274			US-PATENT-4,218,921			US-PATENT-4,213,684
		US-PATENT-4,230,717	N81-16209* #	c 26	NASA-CASE-LEW-23169-2	N81-17887* #	c 74	NASA-CASE-NPO-14657-1
N81-14968* #	c 02	NASA-CASE-LAR-12326-1			US-PATENT-APPL-SN-191746			US-PATENT-APPL-SN-008211
		US-PATENT-APPL-SN-019541	N81-17057* #	c 06	NASA-CASE-FRC-11029-1			US-PATENT-CLASS-356-432
		US-PATENT-CLASS-102-56R			US-PATENT-APPL-SN-164617			US-PATENT-CLASS-73-15R
		US-PATENT-CLASS-102-92 1			US-PATENT-CLASS-73-147			US-PATENT-4,243,327
		US-PATENT-CLASS-244-119			US-PATENT-CLASS-73-178R	N81-17888* #	c 74	NASA-CASE-NPO-14502-1
		US-PATENT-CLASS-244-130			US-PATENT-4,240,290			US-PATENT-APPL-SN-965368
		US-PATENT-4,225,102			NASA-CASE-LEW-12493-1			US-PATENT-CLASS-356-345
N81-14999* #	c 07	NASA-CASE-LEW-13201-1	N81-17170* #	c 24	US-PATENT-APPL-SN-893857			US-PATENT-CLASS-356-352
		US-PATENT-APPL-SN-038980			US-PATENT-CLASS-156-292			US-PATENT-CLASS-356-358
		US-PATENT-CLASS-137-15 1			US-PATENT-CLASS-228-118			US-PATENT-4,243,323
		US-PATENT-CLASS-181-214			US-PATENT-CLASS-228-170	N81-19016* #	c 02	NASA-CASE-LAR-12750-1
		US-PATENT-4,220,171			US-PATENT-CLASS-228-174			US-PATENT-APPL-SN-210491
N81-15104* #	c 27	NASA-CASE-NPO-10830-1			US-PATENT-CLASS-228-190	N81-19087* #	c 05	NASA-CASE-LAR-11797-1
		US-PATENT-APPL-SN-825489			US-PATENT-4,211,354			US-PATENT-APPL-SN-969755
		US-PATENT-CLASS-117-6	N81-17187* #	c 25	NASA-CASE-NPO-13530-1			US-PATENT-CLASS-244-17 25
		US-PATENT-CLASS-138 8R			US-PATENT-CLASS-210-500M			US-PATENT-CLASS-416-114
		US-PATENT-CLASS-260-33 6UB			US-PATENT-CLASS-260-2 1			US-PATENT-CLASS-416-500
		US-PATENT-CLASS-33 8UB			US-PATENT-CLASS-260-2 2R			US-PATENT-CLASS-74-519
		US-PATENT-CLASS-37N			US-PATENT-4,014,798			US-PATENT-4,245,956
		US-PATENT-CLASS-41R	N81-17259* #	c 27	NASA-CASE-ARC-11248-1	N81-19115* #	c 07	NASA-CASE-LEW-12907-2
		US-PATENT-CLASS-77 5AQ			US-PATENT-APPL-SN-028300			US-PATENT-APPL-SN-752050
		US-PATENT-CLASS-77 5CH			US-PATENT-CLASS-528-362			US-PATENT-APPL-SN-909235
		US-PATENT-CLASS-859R			US-PATENT-CLASS-528-401			US-PATENT-CLASS-364-106
		US-PATENT-CLASS-94 9N			US-PATENT-CLASS-528-422			US-PATENT-CLASS-364-431
		US-PATENT-3,655,814			US-PATENT-CLASS-528-423			US-PATENT-CLASS-60-39 24

N81-19116* #	c 07	US-PATENT-4,249,238 NASA-CASE-LEW-12594-2 US-PATENT-APPL-SN-741056 US-PATENT-APPL-SN-909608 US-PATENT-CLASS-60-226R US-PATENT-CLASS-60-236 US-PATENT-CLASS-60-238 US-PATENT-CLASS-60-239	N81-19898* #	c 74	US-PATENT-APPL-SN-276599 US-PATENT-CLASS-340-146 3H US-PATENT-CLASS-340-146 3S US-PATENT-CLASS-340-146 3Y US-PATENT-3,845,466 NASA-CASE-NPO-12087-1 US-PATENT-APPL-SN-095217 US-PATENT-CLASS-250-83 6R	N81-24519* #	c 44	NASA-CASE-LEW-12441-3 US-PATENT-APPL-SN-032307 US-PATENT-APPL-SN-856462 US-PATENT-CLASS-239-127 1 US-PATENT-CLASS-60-204 US-PATENT-CLASS-60-267 US-PATENT-4,199,937 US-PATENT-4,245,469
N81-19130* #	c 08	US-PATENT-4,242,864 NASA-CASE-LAR-11970-2 US-PATENT-APPL-SN-034104 US-PATENT-APPL-SN-727503 US-PATENT-CLASS-244-12 5 US-PATENT-CLASS-244-52 US-PATENT-CLASS-244-87	N81-20352* #	c 33	US-PATENT-3,704,284 NASA-CASE-NPO-13970-1 US-PATENT-APPL-SN-023484 US-PATENT-CLASS-318-138 US-PATENT-CLASS-318-254 US-PATENT-CLASS-318-439	N81-24520* #	c 44	NASA-CASE-MFS-23999-1 US-PATENT-APPL-SN-060435 US-PATENT-CLASS-250-203R US-PATENT-CLASS-250-209 US-PATENT-4,262,195
N81-19242* #	c 25	US-PATENT-4,236,684 NASA-CASE-MFS-25000-1 US-PATENT-APPL-SN-974474 US-PATENT-CLASS-260-29 6RB US-PATENT-CLASS-526-201 US-PATENT-CLASS-526-88	N81-20703* #	c 52	US-PATENT-4,249,116 NASA-CASE-NPO-14329-1 US-PATENT-APPL-SN-044432 US-PATENT-CLASS-128-642 US-PATENT-CLASS-128-774 US-PATENT-CLASS-73-141A	N81-24521* #	c 44	NASA-CASE-LEW-12918-1 US-PATENT-APPL-SN-134855 US-PATENT-CLASS-429-120 US-PATENT-CLASS-429-160 US-PATENT-CLASS-429-164 US-PATENT-CLASS-429-94
N81-19244* #	c 25	US-PATENT-4,247,434 NASA-CASE-NPO-13309-1 US-PATENT-APPL-SN-363130 US-PATENT-CLASS-210-24 US-PATENT-CLASS-260-2 1E US-PATENT-CLASS-260-2 2R US-PATENT-CLASS-264-41	N81-21047* #	c 04	US-PATENT-4,249,417 NASA-CASE-ARC-11257-1 US-PATENT-APPL-SN-078611 US-PATENT-CLASS-73-178R US-PATENT-CLASS-73-490 US-PATENT-CLASS-73-504	N81-24711* #	c 52	US-PATENT-4,262,064 NASA-CASE-MS-16433-1 US-PATENT-APPL-SN-910992 US-PATENT-CLASS-128-295 US-PATENT-CLASS-128-761 US-PATENT-CLASS-4-114 3
N81-19296* #	c 27	US-PATENT-3,944,485 NASA-CASE-LEW-12933-1 US-PATENT-APPL-SN-027557 US-PATENT-CLASS-260-33 4R US-PATENT-CLASS-427-221 US-PATENT-CLASS-427-379 US-PATENT-CLASS-528-353	N81-22280* #	c 33	US-PATENT-4,244,215 NASA-CASE-MFS-24368-3 US-PATENT-APPL-SN-243683 NASA-CASE-GSC-12609-1 US-PATENT-APPL-SN-218586 NASA-CASE-LEW-12445-1	N81-24724* #	c 54	NASA-CASE-KSC-11085-1 US-PATENT-APPL-SN-046739 US-PATENT-CLASS-261-79A US-PATENT-CLASS-422-109 US-PATENT-CLASS-422-27 US-PATENT-CLASS-422-3 US-PATENT-CLASS-422-30
N81-19343* #	c 31	US-PATENT-4,244,853 NASA-CASE-GSC-12513-1 US-PATENT-APPL-SN-053571 US-PATENT-CLASS-109-49 5 US-PATENT-CLASS-109-58 5 US-PATENT-CLASS-220-82R US-PATENT-CLASS-220-89A US-PATENT-CLASS-49-171	N81-22344* #	c 36	US-PATENT-4,244,215 NASA-CASE-LAR-12268-1 US-PATENT-APPL-SN-015996 US-PATENT-CLASS-244-181 US-PATENT-CLASS-244-195 US-PATENT-CLASS-318-584 US-PATENT-CLASS-364-434	N81-24779* #	c 62	US-PATENT-4,250,143 NASA-CASE-KSC-11048-1 US-PATENT-APPL-SN-023437 US-PATENT-CLASS-364-200 US-PATENT-4,254,464
N81-19389* #	c 33	US-PATENT-4,245,566 NASA-CASE-NPO-14297-1 US-PATENT-APPL-SN-938299 US-PATENT-CLASS-156-DIG 96 US-PATENT-CLASS-156-608 US-PATENT-CLASS-219-10 49R US-PATENT-CLASS-219-10 67 US-PATENT-CLASS-422-246 US-PATENT-CLASS-422-249 US-PATENT-CLASS-432-264	N81-24256* #	c 27	US-PATENT-4,261,537 NASA-CASE-ARC-11253-3 US-PATENT-APPL-SN-028301 US-PATENT-APPL-SN-145283 US-PATENT-CLASS-260-465 5R US-PATENT-CLASS-528-310 US-PATENT-CLASS-564-229	N81-24900* #	c 74	NASA-CASE-GSC-12528-1 US-PATENT-APPL-SN-111439 US-PATENT-CLASS-250-368 US-PATENT-CLASS-250-483 US-PATENT-4,262,206
N81-19392* #	c 33	US-PATENT-4,245,286 NASA-CASE-NPO-14505-1 US-PATENT-APPL-SN-956166 US-PATENT-CLASS-363-21 US-PATENT-CLASS-363-36 US-PATENT-CLASS-363-40 US-PATENT-CLASS-363-47	N81-24257* #	c 27	US-PATENT-4,269,787 NASA-CASE-LEW-13135-2 US-PATENT-APPL-SN-113014 US-PATENT-APPL-SN-971475 US-PATENT-CLASS-264-104 US-PATENT-CLASS-264-105 US-PATENT-CLASS-429-139 US-PATENT-CLASS-429-249 US-PATENT-CLASS-429-253 US-PATENT-CLASS-429-27 US-PATENT-CLASS-429-28 US-PATENT-CLASS-525-61	N81-24907* #	c 74	US-PATENT-4,253,769 NASA-CASE-LEW-13088-1 US-PATENT-APPL-SN-089779 US-PATENT-CLASS-428-471 US-PATENT-CLASS-428-632 US-PATENT-CLASS-428-678 US-PATENT-CLASS-428-679 US-PATENT-CLASS-428-680
N81-19393* #	c 33	US-PATENT-4,245,286 NASA-CASE-NPO-14505-1 US-PATENT-APPL-SN-956166 US-PATENT-CLASS-363-21 US-PATENT-CLASS-363-36 US-PATENT-CLASS-363-40 US-PATENT-CLASS-363-47	N81-24258* #	c 27	US-PATENT-4,262,067 NASA-CASE-NPO-10424-1 US-PATENT-APPL-SN-692636 US-PATENT-CLASS-260-37 US-PATENT-3,651,008 NASA-CASE-MS-16394-1 US-PATENT-APPL-SN-161255 US-PATENT-CLASS-204-129 US-PATENT-CLASS-204-252 US-PATENT-CLASS-204-266 US-PATENT-CLASS-204-290F US-PATENT-CLASS-204-290R	N81-25159* #	c 25	US-PATENT-4,255,495 NASA-CASE-MS-18107-1 US-PATENT-APPL-SN-956168 US-PATENT-CLASS-430-271 US-PATENT-CLASS-430-325 US-PATENT-CLASS-430-329 US-PATENT-CLASS-430-330
N81-19426* #	c 35	US-PATENT-4,245,288 NASA-CASE-MFS-23923-1 US-PATENT-APPL-SN-053569 US-PATENT-CLASS-73-190R US-PATENT-4,248,083 NASA-CASE-MS-16370-1 US-PATENT-APPL-SN-061556 US-PATENT-CLASS-329-107 US-PATENT-CLASS-329-50 US-PATENT-CLASS-375-1 US-PATENT-CLASS-375-104 US-PATENT-CLASS-375-34 US-PATENT-CLASS-375-99	N81-24280* #	c 28	US-PATENT-4,262,259 NASA-CASE-LAR-12177-1 US-PATENT-APPL-SN-027558 US-PATENT-CLASS-356-28 5 US-PATENT-CLASS-356-356 US-PATENT-CLASS-356-358 US-PATENT-4,255,048 NASA-CASE-LEW-12991-1 US-PATENT-APPL-SN-961832 US-PATENT-CLASS-277-96 US-PATENT-4,260,166	N81-25256* #	c 31	US-PATENT-4,262,080 NASA-CASE-LAR-12095-1 US-PATENT-APPL-SN-811401 US-PATENT-CLASS-244-158R US-PATENT-CLASS-403-171 US-PATENT-CLASS-428-902 US-PATENT-CLASS-52-309 1 US-PATENT-CLASS-52-648 US-PATENT-CLASS-52-726 US-PATENT-4,259,821
N81-19427* #	c 35	US-PATENT-4,248,083 NASA-CASE-MS-16370-1 US-PATENT-APPL-SN-061556 US-PATENT-CLASS-329-107 US-PATENT-CLASS-329-50 US-PATENT-CLASS-375-1 US-PATENT-CLASS-375-104 US-PATENT-CLASS-375-34 US-PATENT-CLASS-375-99	N81-24338* #	c 33	US-PATENT-4,262,259 NASA-CASE-LAR-12177-1 US-PATENT-APPL-SN-027558 US-PATENT-CLASS-356-28 5 US-PATENT-CLASS-356-356 US-PATENT-CLASS-356-358 US-PATENT-4,255,048 NASA-CASE-LEW-12991-1 US-PATENT-APPL-SN-961832 US-PATENT-CLASS-277-96 US-PATENT-4,260,166	N81-25259* #	c 31	NASA-CASE-LAR-12077-1 US-PATENT-APPL-SN-014663 US-PATENT-CLASS-52-645 US-PATENT-4,259,825 NASA-CASE-NPO-14588-1 US-PATENT-APPL-SN-008209 US-PATENT-CLASS-343-755 US-PATENT-CLASS-343-772 US-PATENT-CLASS-343-781R US-PATENT-CLASS-343-786 US-PATENT-4,258,366
N81-19455* #	c 37	US-PATENT-4,241,312 NASA-CASE-LEW-12982-1 US-PATENT-APPL-SN-929084 US-PATENT-CLASS-204-192E US-PATENT-CLASS-228-116 US-PATENT-CLASS-228-205 US-PATENT-4,245,768 NASA-CASE-NPO-14670-1 US-PATENT-APPL-SN-043941 US-PATENT-CLASS-136-258 US-PATENT-CLASS-252-62 3E US-PATENT-CLASS-357-30 US-PATENT-CLASS-357-59 US-PATENT-CLASS-357-63	N81-24442* #	c 36	US-PATENT-4,262,259 NASA-CASE-LAR-12177-1 US-PATENT-APPL-SN-027558 US-PATENT-CLASS-356-28 5 US-PATENT-CLASS-356-356 US-PATENT-CLASS-356-358 US-PATENT-4,255,048 NASA-CASE-LEW-12991-1 US-PATENT-APPL-SN-961832 US-PATENT-CLASS-277-96 US-PATENT-4,260,166	N81-25278* #	c 32	US-PATENT-4,259,825 NASA-CASE-NPO-14588-1 US-PATENT-APPL-SN-008209 US-PATENT-CLASS-343-755 US-PATENT-CLASS-343-772 US-PATENT-CLASS-343-781R US-PATENT-CLASS-343-786 US-PATENT-4,258,366
N81-19558* #	c 44	US-PATENT-4,249,957 NASA-CASE-NPO-11337-1 NASA-CASE-NPO-11575-1 US-PATENT-APPL-SN-090584	N81-24443* #	c 37	US-PATENT-4,260,166 NASA-CASE-LAR-11695-2 US-PATENT-APPL-SN-103836 US-PATENT-APPL-SN-893865 US-PATENT-CLASS-152-330RF US-PATENT-CLASS-152-353G US-PATENT-CLASS-152-353R US-PATENT-CLASS-152-379 4 US-PATENT-CLASS-244-103R US-PATENT-CLASS-244-130 US-PATENT-4,267,992	N81-25299* #	c 33	NASA-CASE-GSC-12399-1 US-PATENT-APPL-SN-961831 US-PATENT-CLASS-70-58 US-PATENT-4,252,007 NASA-CASE-NPO-14221-1 US-PATENT-APPL-SN-907431 US-PATENT-CLASS-60-517 US-PATENT-CLASS-60-525 US-PATENT-4,255,929
N81-19896* #	c 74	US-PATENT-4,249,957 NASA-CASE-NPO-11337-1 NASA-CASE-NPO-11575-1 US-PATENT-APPL-SN-090584	N81-24444* #	c 37	US-PATENT-4,260,166 NASA-CASE-LAR-11695-2 US-PATENT-APPL-SN-103836 US-PATENT-APPL-SN-893865 US-PATENT-CLASS-152-330RF US-PATENT-CLASS-152-353G US-PATENT-CLASS-152-353R US-PATENT-CLASS-152-379 4 US-PATENT-CLASS-244-103R US-PATENT-CLASS-244-130 US-PATENT-4,267,992	N81-25371* #	c 37	NASA-CASE-NPO-13823-1

		US-PATENT-APPL-SN-658487			US-PATENT-CLASS-73-361			US-PATENT-CLASS-356-407
		US-PATENT-CLASS-106-43			US-PATENT-4,264,802			US-PATENT-CLASS-356-416
		US-PATENT-CLASS-264-332			NASA-CASE-LEW-12119-2			US-PATENT-4,170,987
N81-25400* #	c 39	US-PATENT-4,252,768	N81-26447* #	c 37	US-PATENT-APPL-SN-102004	N81-27806* #	c 54	NASA-CASE-LAR-12320-1
		NASA-CASE-NPO-14363-1			US-PATENT-APPL-SN-672219			US-PATENT-APPL-SN-043913
		US-PATENT-APPL-SN-969760			US-PATENT-CLASS-277-153			US-PATENT-CLASS-434-59
		US-PATENT-CLASS-356-213			US-PATENT-CLASS-277-193			US-PATENT-4,264,310
		US-PATENT-CLASS-356-216			US-PATENT-4,212,477	N81-27814* #	c 60	NASA-CASE-NPO-14554-1
		US-PATENT-CLASS-356-234			US-PATENT-4,266,788			US-PATENT-APPL-SN-974473
		US-PATENT-CLASS-356-32	N81-26509* #	c 43	NASA-CASE-NPO-14140-1			US-PATENT-CLASS-364-200
N81-25660* #	c 52	US-PATENT-4,252,440			NASA-CASE-NPO-14382-1			US-PATENT-CLASS-364-900
		NASA-CASE-MFS-23717-1			US-PATENT-APPL-SN-897832			US-PATENT-CLASS-370-58
		US-PATENT-APPL-SN-950877			US-PATENT-CLASS-134-17			US-PATENT-4,264,984
		US-PATENT-CLASS-128-DIG 25			US-PATENT-CLASS-166-222	N81-28698* #	c 51	NASA-CASE-LAR-12520-1
		US-PATENT-CLASS-128-1R			US-PATENT-CLASS-166-77			US-PATENT-APPL-SN-067596
		US-PATENT-CLASS-128-346			US-PATENT-CLASS-239-562			US-PATENT-CLASS-204-11
		US-PATENT-CLASS-137-493			US-PATENT-CLASS-239-591			US-PATENT-CLASS-204-195B
		US-PATENT-4,256,093			US-PATENT-CLASS-299-13			US-PATENT-CLASS-435-291
N81-25661* #	c 52	NASA-CASE-GSC-12082-2			US-PATENT-CLASS-299-17			US-PATENT-CLASS-435-34
		US-PATENT-APPL-SN-676958			US-PATENT-CLASS-299-20			US-PATENT-CLASS-435-5
		US-PATENT-APPL-SN-798976			US-PATENT-4,226,475			US-PATENT-4,264,728
		US-PATENT-CLASS-128-80F	N81-26718* #	c 54	NASA-CASE-MFS-23696-1	N81-28740* #	c 52	NASA-CASE-MS-18381-1
		US-PATENT-4,252,111			US-PATENT-APPL-SN-945044			US-PATENT-APPL-SN-034531
N81-25662* #	c 52	NASA-CASE-ARC-11167-1			US-PATENT-CLASS-294-93			US-PATENT-CLASS-128-295
		US-PATENT-APPL-SN-057526			US-PATENT-CLASS-414-4			US-PATENT-CLASS-4-144 3
		US-PATENT-CLASS-128-89R			US-PATENT-CLASS-414-735			US-PATENT-4,270,539
		US-PATENT-4,261,349			US-PATENT-CLASS-414-744A	N81-29129* #	c 07	NASA-CASE-LEW-12990-1
N81-26073* #	c 02	NASA-CASE-KSC-11042-2			US-PATENT-4,273,505			US-PATENT-APPL-SN-916654
		US-PATENT-APPL-SN-154663	N81-27096* #	c 07	NASA-CASE-LAR-12544-1			US-PATENT-CLASS-261-28
N81-26114* #	c 05	NASA-CASE-LAR-12406-1			US-PATENT-APPL-SN-243685			US-PATENT-CLASS-431-2
		US-PATENT-APPL-SN-008210	N81-27271* #	c 27	NASA-CASE-ARC-11176-2			US-PATENT-CLASS-60-39 06
		US-PATENT-CLASS-165-104 14			US-PATENT-APPL-SN-129798			US-PATENT-CLASS-60-726
		US-PATENT-CLASS-244-117A			US-PATENT-CLASS-528-168			US-PATENT-CLASS-60-737
		US-PATENT-CLASS-244-163			US-PATENT-CLASS-528-399			US-PATENT-4,189,914
		US-PATENT-CLASS-60-259			US-PATENT-CLASS-528-4	N81-29152* #	c 18	NASA-CASE-LAR-12052-1
		US-PATENT-CLASS-60-267			US-PATENT-CLASS-528-6			US-PATENT-APPL-SN-102002
		US-PATENT-CLASS-60-730			US-PATENT-4,276,403			US-PATENT-CLASS-364-453
		US-PATENT-CLASS-62-DIG 5	N81-27272* #	c 27	NASA-CASE-ARC-11321-1			US-PATENT-CLASS-364-566
		US-PATENT-4,273,304			US-PATENT-APPL-SN-175452			US-PATENT-CLASS-73-178R
N81-26152* #	c 08	NASA-CASE-LAR-12562-1			US-PATENT-CLASS-428-260			US-PATENT-CLASS-73-510
		US-PATENT-APPL-SN-015995			US-PATENT-CLASS-428-367			US-PATENT-4,281,384
		US-PATENT-CLASS-244-181			US-PATENT-CLASS-428-408	N81-29160* #	c 23	NASA-CASE-LEW-13101-2
		US-PATENT-CLASS-244-182			US-PATENT-CLASS-428-902			US-PATENT-APPL-SN-145271
		US-PATENT-4,266,743			US-PATENT-CLASS-428-920			US-PATENT-APPL-SN-971473
N81-26161* #	c 14	NASA-CASE-LAR-12250-1			US-PATENT-CLASS-526-262			US-PATENT-CLASS-260-17 4UC
		US-PATENT-APPL-SN-910794			US-PATENT-CLASS-528-228			US-PATENT-CLASS-264-104
		US-PATENT-CLASS-244-160			US-PATENT-4,276,344			US-PATENT-CLASS-428-139
		US-PATENT-CLASS-244-2	N81-27323* #	c 31	NASA-CASE-MS-16217-1			US-PATENT-CLASS-429-249
		US-PATENT-CLASS-244-63			US-PATENT-APPL-SN-893383			US-PATENT-CLASS-429-253
		US-PATENT-4,265,416			US-PATENT-CLASS-52-108			US-PATENT-CLASS-429-27
N81-26179* #	c 24	NASA-CASE-LEW-12493-2			US-PATENT-CLASS-52-745			US-PATENT-CLASS-429-28
		US-PATENT-APPL-SN-122967			US-PATENT-4,237,662			US-PATENT-CLASS-525-256
		US-PATENT-APPL-SN-893857	N81-27324* #	c 31	NASA-CASE-LAR-12195-1			US-PATENT-CLASS-525-61
		US-PATENT-CLASS-228-118			US-PATENT-APPL-SN-946991			US-PATENT-4,272,470
		US-PATENT-CLASS-228-190			US-PATENT-CLASS-182-62 5	N81-29163* #	c 24	NASA-CASE-MFS-23674-1
		US-PATENT-4,211,354			US-PATENT-CLASS-212-267			US-PATENT-APPL-SN-912276
		US-PATENT-4,267,953			US-PATENT-CLASS-52-111			US-PATENT-CLASS-156-161
N81-26358* #	c 33	NASA-CASE-LAR-12196-1			US-PATENT-CLASS-52-632			US-PATENT-CLASS-156-165
		US-PATENT-APPL-SN-017887			US-PATENT-4,238,911			US-PATENT-CLASS-156-285
		US-PATENT-CLASS-343-100PE	N81-27341* #	c 32	NASA-CASE-GSC-12147-1			US-PATENT-CLASS-156-294
		US-PATENT-4,264,908			US-PATENT-APPL-SN-780873			US-PATENT-CLASS-156-74
N81-26359* #	c 33	NASA-CASE-KSC-11065-1			US-PATENT-CLASS-343-112R			US-PATENT-CLASS-264-229
		US-PATENT-APPL-SN-051271			US-PATENT-4,276,553			US-PATENT-CLASS-264-231
		US-PATENT-CLASS-324-51	N81-27395* #	c 33	NASA-CASE-MFS-23998-1			US-PATENT-CLASS-264-258
		US-PATENT-CLASS-324-73AT			US-PATENT-APPL-SN-044431			US-PATENT-CLASS-264-259
		US-PATENT-CLASS-371-20			US-PATENT-CLASS-307-252UA			US-PATENT-CLASS-264-311
		US-PATENT-CLASS-371-25			US-PATENT-CLASS-318-799			US-PATENT-CLASS-74-572
N81-26360* #	c 33	US-PATENT-4,267,594			US-PATENT-CLASS-318-810			US-PATENT-4,190,626
		NASA-CASE-GSC-12515-1			US-PATENT-4,266,177	N81-29229* #	c 27	NASA-CASE-LAR-12642-1
		US-PATENT-APPL-SN-172727	N81-27396* #	c 33	NASA-CASE-NPO-14426-1			US-PATENT-APPL-SN-092141
		US-PATENT-CLASS-148-1 5			US-PATENT-APPL-SN-009889			US-PATENT-CLASS-264-137
		US-PATENT-CLASS-148-187			US-PATENT-CLASS-307-352			US-PATENT-CLASS-428-473 5
		US-PATENT-CLASS-156-647			US-PATENT-CLASS-307-353			US-PATENT-CLASS-528-222
		US-PATENT-CLASS-156-648			US-PATENT-CLASS-328-151			US-PATENT-CLASS-528-229
		US-PATENT-CLASS-156-649			US-PATENT-4,262,258			US-PATENT-4,281,102
		US-PATENT-CLASS-29-571	N81-27397* #	c 33	NASA-CASE-MS-12745-1	N81-29308* #	c 32	NASA-CASE-NPO-14641-1
		US-PATENT-CLASS-29-578			US-PATENT-APPL-SN-746579			US-PATENT-APPL-SN-076643
		US-PATENT-CLASS-29-580			US-PATENT-CLASS-179-78			US-PATENT-CLASS-343-100CL
		US-PATENT-CLASS-357-23			US-PATENT-CLASS-333-12			US-PATENT-CLASS-455-278
		US-PATENT-CLASS-357-55			US-PATENT-CLASS-361-56			US-PATENT-4,278,978
		US-PATENT-CLASS-357-60			US-PATENT-CLASS-361-91	N81-29342* #	c 33	NASA-CASE-GSC-12111-2
		US-PATENT-CLASS-357-91			US-PATENT-4,264,940			US-PATENT-APPL-SN-678813
		US-PATENT-4,272,302	N81-27519* #	c 37	NASA-CASE-NPO-14521-1			US-PATENT-APPL-SN-830272
N81-26402* #	c 34	NASA-CASE-KSC-11076-1			US-PATENT-APPL-SN-023439			US-PATENT-CLASS-350-96 25
		US-PATENT-APPL-SN-051274			US-PATENT-CLASS-244-161			US-PATENT-CLASS-365-120
		US-PATENT-CLASS-364-510			US-PATENT-CLASS-294-86R			US-PATENT-4,154,501
		US-PATENT-CLASS-364-571			US-PATENT-CLASS-318-640	N81-29407* #	c 35	NASA-CASE-LAR-12308-1
		US-PATENT-CLASS-73-861			US-PATENT-CLASS-356-152			US-PATENT-APPL-SN-111438
		US-PATENT-4,253,156			US-PATENT-CLASS-414-730			US-PATENT-CLASS-73-683 31
N81-26431* #	c 35	NASA-CASE-FRC-10112-1			US-PATENT-4,260,187			US-PATENT-CLASS-73-684 52
		US-PATENT-APPL-SN-122965	N81-27615* #	c 44	NASA-CASE-LEW-13556-1			US-PATENT-4,274,285
		US-PATENT-CLASS-219-209			US-PATENT-APPL-SN-272233	N81-29524* #	c 44	NASA-CASE-LEW-13148-2
		US-PATENT-CLASS-219-210	N81-27783* #	c 52	NASA-CASE-NPO-14402-1			US-PATENT-APPL-SN-061555
		US-PATENT-CLASS-219-510			US-PATENT-APPL-SN-855364			US-PATENT-APPL-SN-964754
		US-PATENT-CLASS-236-1F			US-PATENT-CLASS-128-665			US-PATENT-CLASS-204-2 1
		US-PATENT-CLASS-361-334			US-PATENT-CLASS-356-406			US-PATENT-4,192,910

N81-29525* #	c 44	US-PATENT-4,270,984 NASA-CASE-NPO-13689-2 US-PATENT-APPL-SN-093714 US-PATENT-APPL-SN-597430 US-PATENT-APPL-SN-683073 US-PATENT-APPL-SN-837513 US-PATENT-CLASS-136-255 US-PATENT-CLASS-136-258 US-PATENT-CLASS-136-262 US-PATENT-CLASS-357-15 US-PATENT-CLASS-357-30 US-PATENT-4,278,830	N81-33483* #	c 37	US-PATENT-4,260,689 NASA-CASE-FRC-11044-1 US-PATENT-APPL-SN-135056 US-PATENT-CLASS-318-663 US-PATENT-CLASS-74-89 US-PATENT-CLASS-92-130R US-PATENT-4,274,038	N82-12297* #	c 32	NASA-CASE-NPO-14054-1 US-PATENT-APPL-SN-969761 US-PATENT-CLASS-343-5CM US-PATENT-4,292,634
N81-29763* #	c 52	NASA-CASE-ARC-11031-1 US-PATENT-APPL-SN-897828 US-PATENT-CLASS-128-275 US-PATENT-CLASS-128-760 US-PATENT-4,190,060	N82-11088* #	c 09	NASA-CASE-LAR-12532-1 US-PATENT-APPL-SN-135040 US-PATENT-CLASS-73-147 US-PATENT-4,286,460	N82-12441* #	c 37	NASA-CASE-MFS-25363-1 US-PATENT-APPL-SN-171933 US-PATENT-CLASS-118-423 US-PATENT-CLASS-118-500 US-PATENT-CLASS-134-137 US-PATENT-4,286,542
N81-29764* #	c 52	NASA-CASE-ARC-11118-1 US-PATENT-APPL-SN-850504 US-PATENT-CLASS-424-247 US-PATENT-CLASS-424-267 US-PATENT-CLASS-424-274 US-PATENT-4,279,906	N82-11144* #	c 25	NASA-CASE-NPO-14273-1 US-PATENT-APPL-SN-969759 US-PATENT-CLASS-110-234 US-PATENT-CLASS-110-245 US-PATENT-CLASS-110-255 US-PATENT-CLASS-110-266 US-PATENT-CLASS-122-4D US-PATENT-4,287,838	N82-12442* #	c 37	NASA-CASE-LEW-12989-1 US-PATENT-APPL-SN-092145 US-PATENT-CLASS-277-27 US-PATENT-CLASS-277-40 US-PATENT-CLASS-277-93R US-PATENT-4,291,887
N81-29963* #	c 74	NASA-CASE-NPO-14448-1 US-PATENT-APPL-SN-037560 US-PATENT-CLASS-356-345 US-PATENT-CLASS-356-346 US-PATENT-4,278,351	N82-11206* #	c 27	NASA-CASE-LAR-12640-1 US-PATENT-APPL-SN-092142 US-PATENT-CLASS-156-307 7 US-PATENT-CLASS-156-307 3 US-PATENT-CLASS-156-307 5 US-PATENT-CLASS-156-331 5 US-PATENT-CLASS-528-126 US-PATENT-CLASS-528-172 US-PATENT-CLASS-528-173	N82-12685* #	c 46	NASA-CASE-NPO-14544-1 US-PATENT-APPL-SN-078612 US-PATENT-CLASS-343-100ME US-PATENT-CLASS-343-100PE US-PATENT-CLASS-343-781P US-PATENT-4,282,525
N81-32510* #	c 37	NASA-CASE-MS-16239-1 US-PATENT-APPL-SN-847276 US-PATENT-CLASS-91-325 US-PATENT-CLASS-91-341R US-PATENT-CLASS-91-410 US-PATENT-4,283,995	N82-11326* #	c 27	US-PATENT-CLASS-528-180 US-PATENT-CLASS-528-207 US-PATENT-CLASS-528-208 US-PATENT-CLASS-528-210 US-PATENT-CLASS-528-211 US-PATENT-CLASS-528-225 US-PATENT-CLASS-528-228 US-PATENT-CLASS-528-351 US-PATENT-CLASS-528-353 US-PATENT-4,284,461	N82-13376* #	c 34	NASA-CASE-MFS-25139-1 US-PATENT-APPL-SN-126138 US-PATENT-CLASS-239-499 US-PATENT-CLASS-239-589 US-PATENT-CLASS-239-601 US-PATENT-4,300,723
N81-32829* #	c 51	NASA-CASE-MSC-123825-1 US-PATENT-APPL-SN-145273 US-PATENT-CLASS-119-17 US-PATENT-CLASS-119-18 US-PATENT-4,284,034	N82-11312* #	c 31	NASA-CASE-GSC-12697-1 US-PATENT-APPL-SN-308204 NASA-CASE-MS-18606-1 US-PATENT-APPL-SN-145206 US-PATENT-CLASS-343-700MS US-PATENT-CLASS-343-708 US-PATENT-CLASS-343-727 US-PATENT-CLASS-343-795 US-PATENT-CLASS-343-846 US-PATENT-4,287,518	N82-13415* #	c 36	NASA-CASE-LAR-12592-1 US-PATENT-APPL-SN-041141 US-PATENT-CLASS-331-94 5C US-PATENT-CLASS-331-94 5D US-PATENT-CLASS-331-94 5P US-PATENT-4,300,106
N81-33235* #	c 24	NASA-CASE-LAR-12065-2 US-PATENT-APPL-SN-119337 US-PATENT-APPL-SN-889671 US-PATENT-CLASS-156-242 US-PATENT-CLASS-156-245 US-PATENT-CLASS-156-252 US-PATENT-CLASS-156-264 US-PATENT-CLASS-156-285 US-PATENT-CLASS-156-290 US-PATENT-4,229,473 US-PATENT-4,274,901	N82-11336* #	c 32	US-PATENT-CLASS-358-109 US-PATENT-4,300,159	N82-13465* #	c 43	NASA-CASE-GSC-12032-2 US-PATENT-APPL-SN-578700 US-PATENT-APPL-SN-583219 US-PATENT-CLASS-250-235 US-PATENT-CLASS-250-236 US-PATENT-CLASS-358-109 US-PATENT-4,300,159
N81-33246* #	c 25	NASA-CASE-NPO-14272-1 US-PATENT-APPL-SN-878253 US-PATENT-CLASS-201-17 US-PATENT-CLASS-44-1R US-PATENT-CLASS-44-2 US-PATENT-4,146,367	N82-11357* #	c 33	NASA-CASE-MS-18106-1 US-PATENT-APPL-SN-098568 US-PATENT-CLASS-335-256 US-PATENT-CLASS-335-266 US-PATENT-CLASS-361-141 US-PATENT-4,295,111	N82-15381* #	c 35	NASA-CASE-NPO-14839-1 US-PATENT-APPL-SN-106119 US-PATENT-CLASS-343-100PE US-PATENT-CLASS-455-137 US-PATENT-CLASS-455-139 US-PATENT-CLASS-455-60 US-PATENT-4,295,140
N81-33319* #	c 31	NASA-CASE-NPO-14596-1 US-PATENT-APPL-SN-037072 US-PATENT-CLASS-264-24 US-PATENT-CLASS-264-5 US-PATENT-CLASS-264-9 US-PATENT-CLASS-425-6 US-PATENT-CLASS-65-142 US-PATENT-CLASS-65-21 4 US-PATENT-CLASS-65-22 US-PATENT-4,279,632	N82-11360* #	c 33	NASA-CASE-MSC-18106-1 US-PATENT-APPL-SN-098568 US-PATENT-CLASS-335-256 US-PATENT-CLASS-335-266 US-PATENT-CLASS-361-141 US-PATENT-4,295,111	N82-16059* #	c 04	NASA-CASE-ARC-10990-1 US-PATENT-APPL-SN-749420 US-PATENT-CLASS-244-114R US-PATENT-CLASS-340-26 US-PATENT-4,291,294
N81-33403* #	c 33	NASA-CASE-GSC-12324-1 US-PATENT-APPL-SN-945043 US-PATENT-CLASS-358-109 US-PATENT-CLASS-358-213 US-PATENT-4,280,141	N82-11399* #	c 34	US-PATENT-4,295,111 NASA-CASE-MFS-25586-1 US-PATENT-APPL-SN-310714 NASA-CASE-LEW-12950-1 US-PATENT-APPL-SN-202228	N82-16075* #	c 06	NASA-CASE-FRC-11005-1 US-PATENT-APPL-SN-043942 US-PATENT-CLASS-340-27NA US-PATENT-CLASS-73-178R US-PATENT-4,283,705
N81-33404* #	c 33	NASA-CASE-NPO-14316-1 US-PATENT-APPL-SN-051276 US-PATENT-CLASS-363-24 US-PATENT-CLASS-363-56 US-PATENT-4,276,588	N82-11431* #	c 35	NASA-CASE-LAR-12552-1 US-PATENT-APPL-SN-070366 US-PATENT-CLASS-235-92PC US-PATENT-CLASS-324-71CP US-PATENT-4,286,209	N82-16174* #	c 23	NASA-CASE-ARC-11244-1 US-PATENT-APPL-SN-054501 US-PATENT-CLASS-260-340 9R US-PATENT-CLASS-568-445 US-PATENT-CLASS-568-497 US-PATENT-4,277,402
N81-33405* #	c 33	NASA-CASE-NPO-14435-1 US-PATENT-APPL-SN-017886 US-PATENT-CLASS-329-122 US-PATENT-CLASS-331-DIG 2 US-PATENT-CLASS-364-514 US-PATENT-CLASS-375-1 US-PATENT-4,279-018	N82-11432* #	c 35	NASA-CASE-MFS-23250-1 US-PATENT-APPL-SN-119340 US-PATENT-CLASS-422-40 US-PATENT-CLASS-430-17 US-PATENT-CLASS-430-372 US-PATENT-4,287,152	N82-16238* #	c 27	NASA-CASE-MSC-18382-1 US-PATENT-APPL-SN-145107 US-PATENT-CLASS-106-18 16 US-PATENT-CLASS-106-18 24 US-PATENT-CLASS-260-45 7R US-PATENT-CLASS-427-393 3 US-PATENT-CLASS-428-263 US-PATENT-CLASS-428-264 US-PATENT-CLASS-428-265 US-PATENT-CLASS-428-267 US-PATENT-CLASS-428-272 US-PATENT-4,284,682
N81-33448* #	c 35	NASA-CASE-NPO-14258-1 US-PATENT-APPL-SN-853349 US-PATENT-APPL-SN-972252 US-PATENT-CLASS-350-370 US-PATENT-CLASS-356-350 US-PATENT-CLASS-356-351 US-PATENT-4,280,766	N82-11469* #	c 37	NASA-CASE-NPO-15539-1 US-PATENT-APPL-SN-303670 NASA-CASE-NPO-13877-1 US-PATENT-APPL-SN-652979 US-PATENT-CLASS-210-40 US-PATENT-CLASS-252-422 US-PATENT-4,209,393	N82-16340* #	c 33	NASA-CASE-GSC-12420-1 US-PATENT-APPL-SN-129793 US-PATENT-CLASS-333-104 US-PATENT-CLASS-333-246 US-PATENT-4,302,734
N81-33482* #	c 37	NASA-CASE-NPO-15227-1 US-PATENT-APPL-SN-163840 US-PATENT-CLASS-118-50 US-PATENT-CLASS-118-52 US-PATENT-CLASS-269-21 US-PATENT-CLASS-427-240	N82-11770* #	c 52	US-PATENT-4,294,261 NASA-CASE-MSC-16497-1 US-PATENT-APPL-SN-041145 US-PATENT-CLASS-204-1T US-PATENT-CLASS-204-195S US-PATENT-CLASS-204-263 US-PATENT-CLASS-204-264 US-PATENT-CLASS-204-266 US-PATENT-CLASS-204-275 US-PATENT-CLASS-204-276 US-PATENT-CLASS-204-278 US-PATENT-CLASS-204-278 US-PATENT-CLASS-23-230PC US-PATENT-CLASS-23-232E US-PATENT-CLASS-422-80 US-PATENT-4,293,522	N82-16396* #	c 36	NASA-CASE-GSC-12321-1 US-PATENT-APPL-SN-102007 US-PATENT-CLASS-356-349 US-PATENT-CLASS-356-386 US-PATENT-4,299,492
						N82-16408* #	c 37	NASA-CASE-MSC-18422-1 US-PATENT-APPL-SN-102593 US-PATENT-CLASS-244-113 US-PATENT-CLASS-244-163 US-PATENT-CLASS-244-217 US-PATENT-CLASS-277-189 US-PATENT-CLASS-277-81R US-PATENT-CLASS-418-113 US-PATENT-CLASS-418-142 US-PATENT-4,290,612

N82-16474* #	c 44	NASA-CASE-MFS-23775-1 US-PATENT-APPL-SN-098569 US-PATENT-CLASS-73-341 US-PATENT-4,282,752	N82-21268* #	c 25	NASA-CASE-LEW-12358-2 US-PATENT-APPL-SN-776146 US-PATENT-APPL-SN-848428 US-PATENT-CLASS-264-216 US-PATENT-CLASS-264-453 US-PATENT-CLASS-264-53 US-PATENT-CLASS-427-115 US-PATENT-CLASS-427-244 US-PATENT-CLASS-427-246 US-PATENT-4,133,941 US-PATENT-4,309,372	N82-24338* #	c 27	US-PATENT-CLASS-528-402 US-PATENT-CLASS-570-123 US-PATENT-CLASS-570-129 US-PATENT-4,307,024 NASA-CASE-ARC-11253-2 US-PATENT-APPL-SN-028301 US-PATENT-APPL-SN-145284 US-PATENT-CLASS-528-310 US-PATENT-CLASS-528-328 US-PATENT-CLASS-528-362 US-PATENT-CLASS-528-401 US-PATENT-CLASS-528-422 US-PATENT-4,273,918
N82-16475* #	c 44	NASA-CASE-NPO-15071-1 US-PATENT-APPL-SN-150115 US-PATENT-CLASS-126-438 US-PATENT-CLASS-250-527 US-PATENT-CLASS-48-89 US-PATENT-CLASS-48-99 US-PATENT-4,290,779	N82-21269* #	c 25	NASA-CASE-XLA-8914-2 US-PATENT-APPL-SN-662181 US-PATENT-APPL-SN-810576 US-PATENT-CLASS-210-321-1 US-PATENT-CLASS-55-158 US-PATENT-4,302,223	N82-24339* #	c 27	NASA-CASE-ARC-11310-1 US-PATENT-APPL-SN-147700 US-PATENT-CLASS-102-289 US-PATENT-CLASS-244-121 US-PATENT-CLASS-244-158A US-PATENT-CLASS-244-160 US-PATENT-CLASS-428-192 US-PATENT-CLASS-428-193 US-PATENT-CLASS-428-241 US-PATENT-CLASS-428-242 US-PATENT-CLASS-428-245 US-PATENT-CLASS-428-251 US-PATENT-CLASS-428-257 US-PATENT-CLASS-428-260 US-PATENT-CLASS-428-266 US-PATENT-CLASS-428-447 US-PATENT-CLASS-428-448 US-PATENT-CLASS-428-49 US-PATENT-4,308,309
N82-16747* #	c 60	NASA-CASE-GSC-12430-1 US-PATENT-APPL-SN-129779 US-PATENT-CLASS-370-100 US-PATENT-CLASS-375-106 US-PATENT-CLASS-375-114 US-PATENT-CLASS-375-116 US-PATENT-4,298,987	N82-21587* #	c 37	NASA-CASE-NPO-14395-1 US-PATENT-APPL-SN-961833 US-PATENT-CLASS-104-83 US-PATENT-CLASS-105-1A US-PATENT-CLASS-105-171 US-PATENT-CLASS-105-180 US-PATENT-CLASS-105-218R US-PATENT-CLASS-248-425 US-PATENT-4,301,740	N82-24340* #	c 27	NASA-CASE-MFS-25181-1 US-PATENT-APPL-SN-218585 US-PATENT-CLASS-156-315 US-PATENT-CLASS-156-338 US-PATENT-CLASS-428-332 US-PATENT-CLASS-428-339 US-PATENT-CLASS-428-462 US-PATENT-CLASS-428-466 US-PATENT-CLASS-428-493 US-PATENT-4,327,150
N82-16800* #	c 71	NASA-CASE-FRC-11062-1 US-PATENT-APPL-SN-185869 US-PATENT-CLASS-181-214 US-PATENT-4,300,656	N82-22496* #	c 37	NASA-CASE-ARC-11325-1 US-PATENT-APPL-SN-354126	N82-24415* #	c 33	NASA-CASE-LEW-13282-1 US-PATENT-APPL-SN-073579 US-PATENT-CLASS-315-3 6 US-PATENT-CLASS-315-5 38 US-PATENT-4,277,721
N82-18314* #	c 20	NASA-CASE-GSC-12194-2 US-PATENT-APPL-SN-819029 US-PATENT-APPL-SN-971474 US-PATENT-CLASS-60-200R US-PATENT-CLASS-60-39 46M US-PATENT-4,288,982	N82-22875* #	c 52	NASA-CASE-GSC-12081-2 US-PATENT-APPL-SN-672209 US-PATENT-APPL-SN-796258 US-PATENT-CLASS-128-1 2 US-PATENT-CLASS-128-778 US-PATENT-CLASS-33-143C US-PATENT-4,294,264	N82-24416* #	c 33	NASA-CASE-LAR-12633-1 US-PATENT-APPL-SN-135039 US-PATENT-CLASS-358-213 US-PATENT-4,279,001
N82-18389* #	c 27	NASA-CASE-ARC-11176-1 US-PATENT-APPL-SN-129799 US-PATENT-CLASS-528-168 US-PATENT-CLASS-528-399 US-PATENT-CLASS-528-4 US-PATENT-CLASS-528-6 US-PATENT-CLASS-528-7 US-PATENT-CLASS-568-2 US-PATENT-CLASS-568-4 US-PATENT-CLASS-568-5 US-PATENT-4,288,585	N82-23231* #	c 04	NASA-CASE-FRC-11052-1 US-PATENT-APPL-SN-129783 US-PATENT-CLASS-244-168 US-PATENT-CLASS-244-175 US-PATENT-CLASS-244-190 US-PATENT-CLASS-318-580 US-PATENT-4,326,685	N82-24417* #	c 33	NASA-CASE-FRC-11025-1 US-PATENT-APPL-SN-115536 US-PATENT-CLASS-328-167 US-PATENT-CLASS-330-109 US-PATENT-CLASS-330-290 US-PATENT-CLASS-330-294 US-PATENT-CLASS-330-306 US-PATENT-CLASS-364-825 US-PATENT-4,275,453
N82-18401* #	c 28	NASA-CASE-ARC-11245-1 US-PATENT-APPL-SN-088663 US-PATENT-CLASS-239-690 US-PATENT-CLASS-361-226 US-PATENT-CLASS-361-230 US-PATENT-4,303,961	N82-23254* #	c 09	NASA-CASE-LAR-12441-1 US-PATENT-APPL-SN-145210 US-PATENT-CLASS-73-147 US-PATENT-4,327,581	N82-24418* #	c 33	NASA-CASE-NPO-14556-1 US-PATENT-APPL-SN-023485 US-PATENT-CLASS-307-415 US-PATENT-CLASS-328-67 US-PATENT-CLASS-331-94 5G US-PATENT-CLASS-331-94 5PE US-PATENT-CLASS-333-20 US-PATENT-4,275,317
N82-18443* #	c 32	NASA-CASE-NPO-14632-1 US-PATENT-APPL-SN-092143 US-PATENT-CLASS-367-100 US-PATENT-CLASS-367-102 US-PATENT-CLASS-367-88 US-PATENT-4,287,578	N82-23282* #	c 25	NASA-CASE-NPO-14542-1 US-PATENT-APPL-SN-030831 US-PATENT-CLASS-166-267 US-PATENT-CLASS-166-303 US-PATENT-CLASS-208-241 US-PATENT-4,310,049	N82-24419* #	c 33	NASA-CASE-GSC-12415-1 US-PATENT-APPL-SN-043943 US-PATENT-CLASS-165-32 US-PATENT-CLASS-62-383 US-PATENT-4,281,708
N82-18493* #	c 33	NASA-CASE-FRC-11041-1 US-PATENT-APPL-SN-126064 US-PATENT-CLASS-318-561 US-PATENT-CLASS-318-620 US-PATENT-CLASS-318-621 US-PATENT-CLASS-318-622 US-PATENT-4,298,833	N82-23376* #	c 32	NASA-CASE-NPO-14361-1 US-PATENT-APPL-SN-053572 US-PATENT-CLASS-343-17 1PF US-PATENT-CLASS-343-50P US-PATENT-CLASS-343-7 5 US-PATENT-CLASS-356-5 US-PATENT-CLASS-367-95 US-PATENT-4,320,397	N82-24420* #	c 33	NASA-CASE-ARC-11158-1 US-PATENT-APPL-SN-069485 US-PATENT-CLASS-324-51 US-PATENT-CLASS-324-52 US-PATENT-4,282,479
N82-18494* #	c 33	NASA-CASE-FRC-11014-1 US-PATENT-APPL-SN-053652 US-PATENT-CLASS-331-113R US-PATENT-CLASS-363-132 US-PATENT-CLASS-363-17 US-PATENT-CLASS-363-61 US-PATENT-4,298,926	N82-24072* #	c 74	NASA-CASE-NPO-14813-1 US-PATENT-APPL-SN-145282 US-PATENT-CLASS-250-216 US-PATENT-CLASS-250-235 US-PATENT-4,320,290	N82-24421* #	c 33	NASA-CASE-GSC-12518-1 US-PATENT-APPL-SN-119336 US-PATENT-CLASS-310-12 US-PATENT-CLASS-318-135 US-PATENT-CLASS-335-229 US-PATENT-CLASS-335-266 US-PATENT-4,315,197
N82-18601* #	c 37	NASA-CASE-LAR-12372-1 US-PATENT-APPL-SN-108107 US-PATENT-CLASS-188-371 US-PATENT-CLASS-244-110C US-PATENT-CLASS-280-805 US-PATENT-CLASS-57-906 US-PATENT-4,304,320	N82-24205* #	c 08	NASA-CASE-LAR-12412-1 US-PATENT-APPL-SN-067595 US-PATENT-CLASS-244-213 US-PATENT-CLASS-244-226 US-PATENT-CLASS-244-78 US-PATENT-CLASS-74-479 US-PATENT-CLASS-74-480R US-PATENT-4,272,046	N82-24422* #	c 33	NASA-CASE-LEW-12595-1 US-PATENT-APPL-SN-206506 US-PATENT-CLASS-336-120 US-PATENT-CLASS-336-83 US-PATENT-4,321,572
N82-18686* #	c 44	NASA-CASE-MFS-25287-1 US-PATENT-APPL-SN-098570 US-PATENT-CLASS-126-422 US-PATENT-CLASS-126-429 US-PATENT-CLASS-126-430 US-PATENT-4,304,219	N82-24212* #	c 09	NASA-CASE-ARC-11158-1 US-PATENT-APPL-SN-053566 US-PATENT-CLASS-434-42 US-PATENT-CLASS-434-43 US-PATENT-4,313,726	N82-24427* #	c 33	NASA-CASE-MSC-18407-1 US-PATENT-APPL-SN-293419 NASA-CASE-LAR-12321-1 US-PATENT-APPL-SN-178195 US-PATENT-CLASS-29-613 US-PATENT-CLASS-338-25
N82-19029* #	c 74	NASA-CASE-NPO-15036-1 US-PATENT-APPL-SN-188160 US-PATENT-CLASS-455-610 US-PATENT-CLASS-455-612 US-PATENT-CLASS-455-615 US-PATENT-CLASS-455-617 US-PATENT-4,287,606	N82-24272* #	c 15	NASA-CASE-ARC-11256-1 US-PATENT-APPL-SN-032305 US-PATENT-CLASS-102-504 US-PATENT-CLASS-242-128 US-PATENT-4,271,761	N82-24470* #	c 35	
N82-19540* #	c 37	NASA-CASE-LEW-12131-3 US-PATENT-APPL-SN-096255 US-PATENT-APPL-SN-801290 US-PATENT-APPL-SN-931090 US-PATENT-CLASS-415-174 US-PATENT-CLASS-415-196 US-PATENT-4,135,851 US-PATENT-4,207,024 US-PATENT-4,295,786	N82-24296* #	c 24	NASA-CASE-FRC-11026-1 US-PATENT-APPL-SN-043944 US-PATENT-CLASS-228-157 US-PATENT-CLASS-244-119 US-PATENT-CLASS-244-123 US-PATENT-CLASS-428-593 US-PATENT-CLASS-428-594 US-PATENT-CLASS-428-604 US-PATENT-4,292,375			
N82-20544* #	c 37	NASA-CASE-LAR-12801-1 US-PATENT-APPL-SN-309291	N82-24312* #	c 25	NASA-CASE-ARC-11097-1 US-PATENT-APPL-SN-891872 US-PATENT-CLASS-260-386 US-PATENT-CLASS-260-389			

		US-PATENT-CLASS-338-275	N82-26277* #	c 05	NASA-CASE-FRC-11007-2		US-PATENT-CLASS-136-290
		US-PATENT-CLASS-338-28			US-PATENT-APPL-SN-043911		US-PATENT-CLASS-148-1 5
		US-PATENT-4,317,102			US-PATENT-CLASS-244 12 2		US-PATENT-CLASS-219-121LN
N82-24471* #	c 35	NASA-CASE-GSC-12354-1			US-PATENT-CLASS-244-23C		US-PATENT-CLASS-357-30
		US-PATENT-APPL-SN-128229			US-PATENT-CLASS-244-34A		US-PATENT-CLASS-357-63
		US-PATENT-CLASS-250-385			US-PATENT-CLASS-244-93		US-PATENT-4,311,870
		US-PATENT-CLASS-250-386			US-PATENT-4,307,856	N82-26987* #	c 54
		US-PATENT-CLASS-250-389			NASA-CASE-LEW-13199-1		NASA-CASE-ARC-11314-1
		US-PATENT-CLASS-29-25 14	N82-26293* #	c 07	US-PATENT-APPL-SN-025301		US-PATENT-APPL-SN-168943
		US-PATENT-CLASS-313-348			US-PATENT-CLASS-244-110B		US-PATENT-CLASS-73-862.08
		US-PATENT-CLASS-313-93			US-PATENT-CLASS-60-226A		US-PATENT-4,311,055
		US-PATENT-4,325,001			US-PATENT-4,278,220	N82-27086* #	c 71
N82-24490* #	c 37	NASA-CASE-LAR-12315-1	N82-26384* #	c 24	NASA-CASE-LAR-11688-1	N82-27558* #	c 32
		US-PATENT-APPL-SN-096257			US-PATENT-APPL-SN-878540		NASA-CASE-ARC-11314-1
		US-PATENT-CLASS-220-378			US-PATENT-CLASS-244-119		US-PATENT-APPL-SN-172099
		US-PATENT-CLASS-277-1			US-PATENT-CLASS-244-123		US-PATENT-CLASS-343-789
		US-PATENT-CLASS-277-105			US-PATENT-CLASS-244-132		US-PATENT-CLASS-343-895
		US-PATENT-CLASS-277-2			US-PATENT-4,310,132		US-PATENT-4,315,266
		US-PATENT-CLASS-277-204	N82-26385* #	c 24	NASA-CASE-LEW-13826-1	N82-28279* #	c 05
		US-PATENT-CLASS-277-4			US-PATENT-APPL-SN-371354		NASA-CASE-LAR-12175-1
		US-PATENT-CLASS-277-59	N82-26387* #	c 24	NASA-CASE-MSC-18934-3		US-PATENT-APPL-SN-079913
		US-PATENT-CLASS-277-72R			US-PATENT-APPL-SN-361711		US-PATENT-CLASS-244-48
		US-PATENT-CLASS-285-37	N82-26389* #	c 24	NASA-CASE-MSC-18796-1	N82-28353* #	c 23
		US-PATENT-4,309,039			US-PATENT-APPL-SN-367121		US-PATENT-4,330,100
N82-24491* #	c 37	NASA-CASE-MSC-18430-1	N82-26396* #	c 25	NASA-CASE-LAR-12705-1		NASA-CASE-ARC-11267-2
		US-PATENT-APPL-SN-113015			US-PATENT-APPL-SN-135058		US-PATENT-APPL-SN-163838
		US-PATENT-CLASS-156-84			US-PATENT-CLASS-252-514		US-PATENT-CLASS-528-401
		US-PATENT-CLASS-156-85			US-PATENT-4,311,615		US-PATENT-CLASS-528-422
		US-PATENT-CLASS-156-86	N82-26431* #	c 26	NASA-CASE-LEW-13324-1	N82-28368* #	c 25
		US-PATENT-CLASS-264-230			US-PATENT-APPL-SN-375784		US-PATENT-CLASS-564-229
		US-PATENT-CLASS-264-342R	N82-26460* #	c 27	NASA-CASE-MSC-18851-1		US-PATENT-4,316,035
		US-PATENT-4,269,640			US-PATENT-APPL-SN-342858		NASA-CASE-NPO-15015-1
N82-24492* #	c 37	NASA-CASE-ARC-11110-1	N82-26568* #	c 33	NASA-CASE-LEW-12296-1		US-PATENT-APPL-SN-145207
		US-PATENT-APPL-SN-945040			US-PATENT-APPL-SN-122966		US-PATENT-CLASS-203-12
		US-PATENT-CLASS-118-320			US-PATENT-CLASS-315-3 5		US-PATENT-CLASS-422-186
		US-PATENT-CLASS-118-500			US-PATENT-CLASS-315-3 6		US-PATENT-CLASS-422-198
		US-PATENT-CLASS-118-503			US-PATENT-CLASS-330-43		US-PATENT-CLASS-423-235
		US-PATENT-CLASS-118-505			US-PATENT-4,315,194		US-PATENT-CLASS-423-539
		US-PATENT-CLASS-427-425	N82-26569* #	c 33	NASA-CASE-MFS-23828-1		US-PATENT-CLASS-423-540
		US-PATENT-4,312,292			US-PATENT-APPL-SN-111436		US-PATENT-CLASS-423-542
N82-24493* #	c 37	NASA-CASE-NPO-15115-1			US-PATENT-CLASS-318-254		US-PATENT-CLASS-423-579
		US-PATENT-APPL-SN-154725			US-PATENT-CLASS-318-806	N82-28440* #	c 27
		US-PATENT-CLASS-74-18 1			US-PATENT-CLASS-318-812		NASA-CASE-LEW-13120-1
		US-PATENT-CLASS-74-18 2			US-PATENT-CLASS-318-830		US-PATENT-APPL-SN-218587
		US-PATENT-CLASS-92-37			US-PATENT-CLASS-318-802		US-PATENT-CLASS-204-192E
		US-PATENT-4,311,057	N82-26570* #	c 33	US-PATENT-CLASS-318-830		US-PATENT-CLASS-204-192CC
N82-24494* #	c 37	NASA-CASE-MSC-18526-1			US-PATENT-4,313,077		US-PATENT-CLASS-264-220
		US-PATENT-APPL-SN-119335			NASA-CASE-LAR-12659-1		US-PATENT-CLASS-264-220
		US-PATENT-CLASS-285-159			US-PATENT-APPL-SN-171928		US-PATENT-CLASS-428-141
		US-PATENT-CLASS-285-401			US-PATENT-CLASS-340-347DD		US-PATENT-4,329,385
		US-PATENT-CLASS-285-89	N82-26571* #	c 33	US-PATENT-4,313,103	N82-28441* #	c 27
		US-PATENT-CLASS-403-315			NASA-CASE-LAR-12595-1		NASA-CASE-LEW-13343-1
		US-PATENT-4,320,911			US-PATENT-APPL-SN-070774		US-PATENT-APPL-SN-161254
N82-24639* #	c 44	NASA-CASE-MFS-23830-1			US-PATENT-CLASS-156-157		US-PATENT-CLASS-427-205
		US-PATENT-APPL-SN-129780			US-PATENT-CLASS-156-272		US-PATENT-CLASS-427-253
		US-PATENT-CLASS-415-DIG 8			US-PATENT-CLASS-156-379 7		US-PATENT-CLASS-427-405
		US-PATENT-CLASS-415-2R			US-PATENT-CLASS-156-71		US-PATENT-CLASS-428-938
		US-PATENT-4,309,146			US-PATENT-CLASS-219-10 41		US-PATENT-CLASS-428-941
N82-24640* #	c 44	NASA-CASE-LAR-12148-1			US-PATENT-CLASS-219-10 53	N82-28442* #	c 27
		US-PATENT-APPL-SN-051275			US-PATENT-CLASS-219-545		US-PATENT-4,310,574
		US-PATENT-CLASS-60-516			US-PATENT-CLASS-428-247		NASA-CASE-NPO-14845-1
		US-PATENT-CLASS-60-641 14	N82-26572* #	c 33	US-PATENT-4,313,777		US-PATENT-APPL-SN-219680
		US-PATENT-4,326,381			NASA-CASE-LAR-12465-1		US-PATENT-CLASS-264-5
N82-24641* #	c 44	NASA-CASE-GSC-10019-1			US-PATENT-APPL-SN-106136		US-PATENT-CLASS-65-142
		US-PATENT-APPL-SN-680048			US-PATENT-CLASS-361-283		US-PATENT-CLASS-65-21 4
		US-PATENT-CLASS-136-6			US-PATENT-CLASS-367-181		US-PATENT-CLASS-65-22
		US-PATENT-3,498,841			US-PATENT-CLASS-73-724	N82-28545* #	c 33
N82-24642* #	c 44	NASA-CASE-GSC-10350-1			US-PATENT-4,310,906		US-PATENT-4,313,745
		US-PATENT-APPL-SN-679980	N82-26628* #	c 35	NASA-CASE-LAR-12474-1		NASA-CASE-MFS-23776-1
		US-PATENT-CLASS-136-6			US-PATENT-APPL-SN-171934		US-PATENT-APPL-SN-145272
		US-PATENT-3,498,840			US-PATENT-CLASS-352-171		US-PATENT-CLASS-250-214
N82-24643* #	c 44	NASA-CASE-GSC-10017-1			US-PATENT-CLASS-354-217	N82-28549* #	c 33
		US-PATENT-APPL-SN-679996	N82-26631* #	c 35	US-PATENT-CLASS-354-289		NASA-CASE-MSC-20181-1
		US-PATENT-CLASS-136-6			US-PATENT-4,311,378	N82-28604* #	c 35
		US-PATENT-3,519,484			NASA-CASE-MFS-25707-1		NASA-CASE-LAR-12709-1
N82-24644* #	c 44	NASA-CASE-GSC-10018-1	N82-26672* #	c 37	US-PATENT-APPL-SN-359627		US-PATENT-APPL-SN-235796
		US-PATENT-APPL-SN-679987			NASA-CASE-MSC-18538-1		US-PATENT-CLASS-204-195B
		US-PATENT-CLASS-136-6			US-PATENT-APPL-SN-138944		US-PATENT-CLASS-435-291
		US-PATENT-3,519,483			US-PATENT-CLASS-30-102		US-PATENT-CLASS-435-34
N82-24645* #	c 44	NASA-CASE-GSC-10349-1	N82-26673* #	c 37	US-PATENT-4,305,205	N82-28616* #	c 36
		US-PATENT-APPL-SN-658999			NASA-CASE-MSC-18742-1		US-PATENT-4,335,206
		US-PATENT-CLASS-136-148			US-PATENT-APPL-SN-293417		NASA-CASE-NPO-14782-1
		US-PATENT-3,506,496	N82-26674* #	c 37	NASA-CASE-LEW-13268-2		US-PATENT-APPL-SN-119339
N82-24779* #	c 47	NASA-CASE-KSC-11099-1			US-PATENT-APPL-SN-325931		US-PATENT-CLASS-330-4 3
		US-PATENT-APPL-SN-043945	N82-26676* #	c 37	NASA-CASE-LAR-12729-1		US-PATENT-CLASS-372-56
		US-PATENT-CLASS-324-72			US-PATENT-APPL-SN-371353		US-PATENT-CLASS-372-58
		US-PATENT-CLASS-324-77R	N82-26776* #	c 44	NASA-CASE-NPO-15163-1		US-PATENT-CLASS-372-82
		US-PATENT-4,272,720			US-PATENT-APPL-SN-173519	N82-28780* #	c 44
N82-24839* #	c 60	NASA-CASE-FRC-11042-1			US-PATENT-CLASS-62-148		US-PATENT-4,328,464
		US-PATENT-APPL-SN-129778			US-PATENT-CLASS-62-235 1		NASA-CASE-NPO-13689-4
		US-PATENT-CLASS-254-131			US-PATENT-CLASS-62-238 3		US-PATENT-APPL-SN-225501
		US-PATENT-CLASS-29-267			US-PATENT-CLASS-62-239		US-PATENT-APPL-SN-597430
		US-PATENT-CLASS-29-764			US-PATENT-CLASS-62-244		US-PATENT-APPL-SN-683073
		US-PATENT-4,307,510			US-PATENT-CLASS-62-476		US-PATENT-APPL-SN-837513
N82-25484* #	c 35	NASA-CASE-NPO-15494-1	N82-26777* #	c 44	US-PATENT-4,307,575		US-PATENT-APPL-SN-93714
		US-PATENT-APPL-SN-325885			NASA-CASE-NPO-15179-1		US-PATENT-CLASS-148-175
					US-PATENT-APPL-SN-185867		US-PATENT-CLASS-29-572
					US-PATENT-CLASS-136-261		US-PATENT-CLASS-427-531
							US-PATENT-CLASS-427-74
							US-PATENT-4,278,830

	US-PATENT-CLASS-128-422		US-PATENT-CLASS-371-6		US-PATENT-4,370,750
	US-PATENT-CLASS-128-784		US-PATENT-4,358,846	N83-19091* #	c 37
	US-PATENT-CLASS-128-804	N83-13360* #	NASA-CASE-GSC-12782-1		NASA-CASE-LAR-12361-1
	US-PATENT-4,346,715		US-PATENT-APPL-SN-399074		US-PATENT-APPL-SN-182880
N83-10040* #	c 06	N83-13579* #	NASA-CASE-LEW-13620-1		US-PATENT-CLASS-411-353
	NASA-CASE-NPO-15351-1		US-PATENT-APPL-SN-242796		US-PATENT-CLASS-411-517
	US-PATENT-APPL-SN-224231		US-PATENT-CLASS-136-256	N83-19596* #	c 74
	US-PATENT-CLASS-343-100ME		US-PATENT-CLASS-136-259		NASA-CASE-LEW-12253-1
	US-PATENT-CLASS-374-122		US-PATENT-CLASS-29-572		US-PATENT-APPL-SN-243682
	US-PATENT-CLASS-374-123		US-PATENT-CLASS-357-30		US-PATENT-CLASS-165-104-26
	US-PATENT-CLASS-73-170R		US-PATENT-CLASS-427-88		US-PATENT-CLASS-165-134R
	US-PATENT-CLASS-73-178R		US-PATENT-CLASS-427-89		US-PATENT-CLASS-29-157-3H
	US-PATENT-4,346,595		US-PATENT-CLASS-427-90	N83-19597* #	c 74
N83-10117* #	c 24		US-PATENT-CLASS-427-91		NASA-CASE-NPO-14864-1
	NASA-CASE-LEW-12919-1		US-PATENT-4,335,196		US-PATENT-APPL-SN-061822
	US-PATENT-APPL-SN-264378	N83-13978* #	NASA-CASE-ARC-11311-1		US-PATENT-CLASS-250-227
	US-PATENT-CLASS-204-192E		US-PATENT-APPL-SN-219640		US-PATENT-CLASS-250-332
	US-PATENT-CLASS-313-106		US-PATENT-CLASS-350-287		US-PATENT-CLASS-250-340
	US-PATENT-CLASS-313-107		US-PATENT-CLASS-350-486		US-PATENT-CLASS-250-350
	US-PATENT-CLASS-315-5-38	N83-13982* #	US-PATENT-4,355,870		US-PATENT-CLASS-250-351
N83-10126* #	c 25		NASA-CASE-GSC-12761-1		US-PATENT-CLASS-350-383
	US-PATENT-4,349,424	N83-13982* #	US-PATENT-APPL-SN-406820	N83-19715* #	c 02
	NASA-CASE-MFS-25426-1		NASA-CASE-LEW-12892-1		NASA-CASE-LAR-12625-1
	US-PATENT-APPL-SN-254575	N83-14692* #	US-PATENT-APPL-SN-264380	N83-19737* #	c 05
N83-10170* #	c 26		US-PATENT-CLASS-136-255		NASA-CASE-FRC-11065-1
	US-PATENT-CLASS-204-299R		US-PATENT-CLASS-136-256		US-PATENT-APPL-SN-248744
	US-PATENT-4,349,429		US-PATENT-CLASS-136-259		US-PATENT-CASE-244-121
	NASA-CASE-LEW-12941-1		US-PATENT-4,360,701		US-PATENT-CASE-244-129-4
	US-PATENT-APPL-SN-210632	N83-14693* #	NASA-CASE-MS-18794-1		US-PATENT-4,375,281
	US-PATENT-CLASS-29-458		US-PATENT-APPL-SN-238785	N83-19826* #	c 25
	US-PATENT-CLASS-29-521		US-PATENT-CLASS-417-399		NASA-CASE-NPO-14565-2
	US-PATENT-CLASS-403-282		US-PATENT-CLASS-74-110	N83-19890* #	c 26
N83-10345* #	c 33		US-PATENT-4,360,325		NASA-CASE-NPO-15658-1
	US-PATENT-4,349,954	N83-16626* #	NASA-CASE-LAR-12772-1	N83-19900* #	c 27
	NASA-CASE-MFS-25208-1		US-PATENT-APPL-SN-199767		US-PATENT-APPL-SN-158530
	US-PATENT-APPL-SN-280154		US-PATENT-CLASS-73-579		US-PATENT-CLASS-523-205
	US-PATENT-CLASS-318-803		US-PATENT-CLASS-73-597		US-PATENT-CLASS-524-436
	US-PATENT-CLASS-363-87		US-PATENT-CLASS-73-629		US-PATENT-CLASS-524-437
	US-PATENT-4,351,022	N83-16626* #	US-PATENT-CLASS-73-761		US-PATENT-CLASS-524-503
N83-10417* #	c 36		US-PATENT-4,363,242		US-PATENT-CLASS-524-564
	NASA-CASE-NPO-15021-1	N83-16633* #	NASA-CASE-LAR-12847-1		US-PATENT-CLASS-524-786
	US-PATENT-APPL-SN-130496		US-PATENT-APPL-SN-393456		US-PATENT-4,373,039
	US-PATENT-CLASS-372-56	N83-17045* #	NASA-CASE-NPO-15213-1	N83-19947* #	c 31
	US-PATENT-CLASS-372-59		US-PATENT-APPL-SN-280153		NASA-CASE-NPO-15789-1
	US-PATENT-CLASS-372-60		US-PATENT-CLASS-47-58		US-PATENT-APPL-SN-322316
	US-PATENT-4,347,613		US-PATENT-CLASS-71-98		US-PATENT-CLASS-204-129-55
N83-10494* #	c 44		US-PATENT-4,363,188		US-PATENT-CLASS-204-129-75
	NASA-CASE-LEW-13131-1	N83-17235* #	NASA-CASE-LAR-12883-1	N83-19968* #	c 32
	US-PATENT-APPL-SN-246772		US-PATENT-APPL-SN-267935		NASA-CASE-NPO-14035-1
	US-PATENT-CLASS-204-56R		US-PATENT-CLASS-73-147		US-PATENT-APPL-SN-858767
	US-PATENT-4,350,574		US-PATENT-4,363,237		US-PATENT-CLASS-343-100CL
N83-10501* #	c 44		NASA-CASE-MFS-25312-1		US-PATENT-CLASS-343-5CM
	NASA-CASE-NPO-14369-1	N83-17305* #	US-PATENT-APPL-SN-187106		US-PATENT-CLASS-343-9PS
	US-PATENT-APPL-SN-126063		US-PATENT-CLASS-350-171	N83-20085 #	c 35
	US-PATENT-CLASS-422-200		US-PATENT-4,362,361		NASA-CASE-GSC-12795-1
	US-PATENT-CLASS-422-202	N83-17588* #	NASA-CASE-MFS-25843-1	N83-20152* #	c 37
	US-PATENT-CLASS-422-224		US-PATENT-APPL-SN-444125		US-PATENT-APPL-SN-461714
	US-PATENT-CLASS-55-204	N83-17628* #	NASA-CASE-LEW-13609-1	N83-20154* #	c 37
	US-PATENT-4,343,772		US-PATENT-APPL-SN-452465		NASA-CASE-MFS-25807
N83-10900* #	c 74	N83-17715* #	NASA-CASE-LEW-13864-1	N83-20156* #	c 37
	NASA-CASE-GSC-12608-1		US-PATENT-APPL-SN-434087		NASA-CASE-LAR-12875-1
	US-PATENT-APPL-SN-195228	N83-17882* #	NASA-CASE-MS-20418-1	N83-20157* #	c 37
	US-PATENT-CLASS-350-170		US-PATENT-APPL-SN-438446		US-PATENT-APPL-SN-469864
	US-PATENT-CLASS-350-286	N83-18533* #	NASA-CASE-MFS-25786-1	N83-20280* #	c 39
	US-PATENT-4,350,410		US-PATENT-APPL-SN-411896		NASA-CASE-MS-18929-1
N83-12098* #	c 08	N83-18908* #	NASA-CASE-MS-18832-1		US-PATENT-APPL-SN-198093
	NASA-CASE-ARC-11372-1		US-PATENT-APPL-SN-365950		US-PATENT-CLASS-128-782
	US-PATENT-APPL-SN-415878		US-PATENT-CLASS-428-241		US-PATENT-CLASS-358-105
N83-12332* #	c 33		US-PATENT-CLASS-428-244		US-PATENT-CLASS-364-413
	NASA-CASE-GSC-12773-1		US-PATENT-CLASS-428-245		US-PATENT-CLASS-364-522
	US-PATENT-APPL-SN-437914		US-PATENT-CLASS-428-260		US-PATENT-CLASS-364-559
	NASA-CASE-NPO-15935-1		US-PATENT-CLASS-428-331		US-PATENT-CLASS-373-379
N83-12334* #	c 33		US-PATENT-CLASS-428-368	N83-20324* #	c 43
	US-PATENT-APPL-SN-437913		US-PATENT-CLASS-428-902		NASA-CASE-NPO-15939-1
	NASA-CASE-NPO-15844-1		US-PATENT-CLASS-428-913	N83-20789* #	c 76
N83-12992* #	c 74		US-PATENT-CLASS-428-920		NASA-CASE-NPO-15625-1
	US-PATENT-APPL-SN-416443	N83-18975* #	US-PATENT-4,373,003		US-PATENT-APPL-SN-325933
	NASA-CASE-MS-18737-1		NASA-CASE-NPO-14998-1		US-PATENT-CLASS-148-173
	US-PATENT-APPL-SN-266256		US-PATENT-APPL-SN-195547		US-PATENT-CLASS-148-175
	US-PATENT-CLASS-427-379		US-PATENT-CLASS-250-203R		US-PATENT-CLASS-156-608
	US-PATENT-CLASS-427-384		US-PATENT-CLASS-343-100CL		US-PATENT-CLASS-156-624
	US-PATENT-CLASS-427-387		US-PATENT-CLASS-364-822		US-PATENT-CLASS-156-635
	US-PATENT-CLASS-428-218		US-PATENT-CLASS-364-861		US-PATENT-CLASS-156-654
	US-PATENT-4,358,486		US-PATENT-4,371,946	N83-20944* #	c 07
N83-13172* #	c 24	N83-18996* #	NASA-CASE-NPO-14567-1		US-PATENT-APPL-SN-231543
	NASA-CASE-MS-18736-1		US-PATENT-APPL-SN-038550		US-PATENT-CLASS-244-173
	US-PATENT-APPL-SN-266254		US-PATENT-APPL-SN-180230		US-PATENT-CLASS-322-2R
	US-PATENT-CLASS-244-158A		US-PATENT-CLASS-324-73R		US-PATENT-CLASS-339-3R
	US-PATENT-CLASS-427-140		US-PATENT-CLASS-356-394		US-PATENT-CLASS-339-5R
	US-PATENT-CLASS-427-292		US-PATENT-4,358,732		US-PATENT-CLASS-343-DIG2
	US-PATENT-CLASS-427-302	N83-19015* #	NASA-CASE-MFS-25282-1		US-PATENT-4,377,266
	US-PATENT-CLASS-427-379		US-PATENT-APPL-SN-263828	N83-20995* #	c 17
	US-PATENT-CLASS-427-384		US-PATENT-CLASS-378-2		NASA-CASE-LAR-13006-1
	US-PATENT-CLASS-427-387		US-PATENT-CLASS-378-43	N83-20996* #	c 18
	US-PATENT-CLASS-428-218				NASA-CASE-LEW-13269-1
	US-PATENT-4,358,486				
N83-13172* #	c 24				
	NASA-CASE-MS-18736-1				
	US-PATENT-APPL-SN-266254				
	US-PATENT-CLASS-244-158A				
	US-PATENT-CLASS-427-140				
	US-PATENT-CLASS-427-292				
	US-PATENT-CLASS-427-302				
	US-PATENT-CLASS-427-379				
	US-PATENT-CLASS-427-384				
	US-PATENT-CLASS-427-387				
	US-PATENT-CLASS-428-218				
	US-PATENT-4,358,486				
N83-13187* #	c 25				
	NASA-CASE-MFS-25306-1				
	US-PATENT-APPL-SN-309293				
	US-PATENT-CLASS-204-280R				
	US-PATENT-CLASS-204-299R				
	US-PATENT-4,358,358				
N83-13188* #	c 25				
	NASA-CASE-LEW-13504-1				
	US-PATENT-APPL-SN-272234				
	US-PATENT-CLASS-264-104				
	US-PATENT-CLASS-429-206				
	US-PATENT-CLASS-429-253				
	US-PATENT-CLASS-525-61				
	US-PATENT-4,357,402				
N83-13323* #	c 32				
	NASA-CASE-KSC-11025-1				
	US-PATENT-APPL-SN-061327				

		US-PATENT-APPL-SN-242795			US-PATENT-CLASS-333-254			US-PATENT-4,388,542
		US-PATENT-CLASS-415-174			US-PATENT-4,382,239	N83-28574* #	c 44	NASA-CASE-GSC-12697-1
		US-PATENT-CLASS-415-197	N83-27126* #	c 33	NASA-CASE-NPO-15358-1			US-PATENT-APPL-SN-308204
N83-21238* #	c 33	US-PATENT-4,377,371			US-PATENT-APPL-SN-219968			US-PATENT-CLASS-308-10
		NASA-CASE-ARC-11367-1			US-PATENT-CLASS-323-269			US-PATENT-CLASS-310-15
N83-21311* #	c 35	US-PATENT-APPL-SN-460511			US-PATENT-CLASS-323-303			US-PATENT-CLASS-417-417
		NASA-CASE-LAR-12469-1			US-PATENT-CLASS-323-350			US-PATENT-CLASS-62-6
		US-PATENT-APPL-SN-195223			US-PATENT-4,382,224	N83-28849* #	c 51	US-PATENT-4,389,849
		US-PATENT-CLASS-250-338	N83-27144* #	c 34	NASA-CASE-LEW-13174-1			NASA-CASE-ARC-11322-1
		US-PATENT-CLASS-250-372			US-PATENT-APPL-SN-200634			US-PATENT-APPL-SN-315278
		US-PATENT-CLASS-250-474 1			US-PATENT-CLASS-415-115			US-PATENT-CLASS-435-3
		US-PATENT-CLASS-356-51			US-PATENT-CLASS-416-1			US-PATENT-CLASS-435-34
N83-21312* #	c 35	US-PATENT-4,372,680			US-PATENT-CLASS-416-97R			US-PATENT-CLASS-435-38
		NASA-CASE-MS-18723-1	N83-27184* #	c 35	US-PATENT-4,384,823			US-PATENT-CLASS-435-39
		US-PATENT-APPL-SN-234223			NASA-CASE-NPO-15292-1			US-PATENT-CLASS-435-807
		US-PATENT-CLASS-73-818			US-PATENT-APPL-SN-207135			US-PATENT-4,386,157
		US-PATENT-4,377,089			US-PATENT-CLASS-250-282	N83-29032* #	c 74	NASA-CASE-KSC-11104-1
N83-21316* #	c 35	NASA-CASE-MFS-25833-1			US-PATENT-CLASS-250-288			US-PATENT-APPL-SN-153245
		US-PATENT-APPL-SN-473827			US-PATENT-CLASS-250-423			US-PATENT-CLASS-350-96 16
N83-21503* #	c 44	NASA-CASE-LAR-12458-1			US-PATENT-4,383,171			US-PATENT-CLASS-455-612
		US-PATENT-APPL-SN-274705	N83-27344* #	c 44	NASA-CASE-LEW-13246-1			US-PATENT-4,381,881
		US-PATENT-CLASS-73-147			US-PATENT-APPL-SN-266255	N83-29303* #	c 18	NASA-CASE-MFS-25403-1
		US-PATENT-4,372,158			US-PATENT-CLASS-429-105			US-PATENT-APPL-SN-248745
N83-21504* #	c 44	NASA-CASE-LAR-12720-1			US-PATENT-CLASS-429-107			US-PATENT-CLASS-244-115
		US-PATENT-APPL-SN-274706			US-PATENT-CLASS-429-109			US-PATENT-CLASS-244-161
		US-PATENT-CLASS-73-147			US-PATENT-CLASS-429-34			US-PATENT-CLASS-269-152
		US-PATENT-4,372,159			US-PATENT-CLASS-429-244			US-PATENT-CLASS-269-242
N83-21785* #	c 52	NASA-CASE-LEW-13107-1	N83-27569* #	c 51	US-PATENT-4,382,116			US-PATENT-CLASS-269-244
		US-PATENT-APPL-SN-272407			NASA-CASE-GSC-12158-1			US-PATENT-CLASS-294-86R
		US-PATENT-CLASS-604-280			US-PATENT-APPL-SN-888434			US-PATENT-4,391,423
		US-PATENT-CLASS-604-8			US-PATENT-CLASS-422-52	N83-29324* #	c 25	NASA-CASE-GSC-12770-1
		US-PATENT-4,377,169			US-PATENT-CLASS-435-289			US-PATENT-APPL-SN-301075
N83-21949* #	c 74	NASA-CASE-ARC-11354-1			US-PATENT-CLASS-435-291			US-PATENT-CLASS-423-648R
		US-PATENT-APPL-SN-282192			US-PATENT-CLASS-435-3			US-PATENT-CLASS-423-649
		US-PATENT-CLASS-356-357			US-PATENT-CLASS-435-34	N83-29325* #	c 25	US-PATENT-4,393,039
		US-PATENT-CLASS-73-147			US-PATENT-CLASS-435-38			NASA-CASE-MS-20206-1
		US-PATENT-4,377,343			US-PATENT-CLASS-435-39			US-PATENT-APPL-SN-478129
N83-21950* #	c 74	NASA-CASE-MFS-25752-1			US-PATENT-CLASS-435-8	N83-29388* #	c 27	NASA-CASE-LEW-13132-1
		US-PATENT-APPL-SN-473499			US-PATENT-4,385,113			US-PATENT-APPL-SN-272152
		NASA-CASE-NPO-15904-1	N83-27577* #	c 52	NASA-CASE-MS-18761-1			US-PATENT-CLASS-204-35N
		US-PATENT-APPL-SN-465369			US-PATENT-APPL-SN-254688			US-PATENT-CLASS-204-37R
N83-24572* #	c 25	NASA-CASE-NPO-16135-1			US-PATENT-CLASS-128-DIG 13			US-PATENT-CLASS-204-56R
		US-PATENT-APPL-SN-470114			US-PATENT-CLASS-604-114			US-PATENT-4,392,920
		NASA-CASE-LEW-13834-1			US-PATENT-CLASS-604-151	N83-29392* #	c 27	NASA-CASE-LEW-12876-2
		US-PATENT-APPL-SN-478131			US-PATENT-CLASS-73-204			US-PATENT-APPL-SN-393583
		NASA-CASE-LAR-12363-2			US-PATENT-4,384,578	N83-29625* #	c 34	NASA-CASE-LEW-12508-3
		US-PATENT-APPL-SN-377892	N83-27578* #	c 52	NASA-CASE-MS-18759-1			US-PATENT-APPL-SN-235868
		US-PATENT-CLASS-250-388			US-PATENT-APPL-SN-233270			US-PATENT-CLASS-62-3
		US-PATENT-4,379,970			US-PATENT-CLASS-128-660			US-PATENT-4,392,356
N83-24828* #	c 35	NASA-CASE-MFS-25509-1			US-PATENT-CLASS-128-663	N83-29650* #	c 35	NASA-CASE-MFS-25242-1
		US-PATENT-APPL-SN-297486			US-PATENT-CLASS-73-597			US-PATENT-APPL-SN-246773
		US-PATENT-CLASS-156-DIG 62			US-PATENT-4,383,533			US-PATENT-CLASS-374-17
		US-PATENT-CLASS-34-57A	N83-27975* #	c 05	NASA-CASE-FRC-11072-1			US-PATENT-CLASS-73-863 11
		US-PATENT-CLASS-432-227			US-PATENT-APPL-SN-230613			US-PATENT-4,389,904
		US-PATENT-CLASS-432-58			US-PATENT-CASE-179-146-R	N83-29651* #	c 35	NASA-CASE-LAR-12531-1
		US-PATENT-4,378,209			US-PATENT-CASE-179-179			US-PATENT-APPL-SN-282191
N83-25217* #	c 45	NASA-CASE-NPO-15220-1			US-PATENT-CASE-367-906			US-PATENT-CASE-368-10
		US-PATENT-APPL-SN-246777			US-PATENT-4,388,502			US-PATENT-CASE-368-118
		US-PATENT-CLASS-220-335	N83-28064* #	c 18	NASA-CASE-GSC-12551-1			US-PATENT-CASE-368-119
		US-PATENT-CLASS-73-863 31			US-PATENT-APPL-SN-182881			US-PATENT-CASE-368-120
		US-PATENT-CLASS-73-863 83			US-PATENT-CLASS-244-169			US-PATENT-CASE-368-6
		US-PATENT-CLASS-73-864 63			US-PATENT-CLASS-244-170			US-PATENT-CASE-368-9
		US-PATENT-4,377,949			US-PATENT-4,386,750	N83-29652* #	c 35	US-PATENT-4,392,749
N83-25346* #	c 52	NASA-CASE-NPO-15197-1	N83-28076* #	c 23	NASA-CASE-ARC-11425-1			NASA-CASE-MS-18936-1
		US-PATENT-APPL-SN-263957			US-PATENT-APPL-SN-493864			US-PATENT-APPL-SN-325082
		US-PATENT-CLASS-128-303B	N83-28240* #	c 27	NASA-CASE-LAR-12775-1			US-PATENT-CLASS-55-194
		US-PATENT-CLASS-128-774			US-PATENT-APPL-SN-308201			US-PATENT-CLASS-55-202
		US-PATENT-CLASS-128-782			US-PATENT-CLASS-524-104	N83-29680* #	c 36	US-PATENT-4,392,874
		US-PATENT-4,378,813			US-PATENT-CLASS-524-173			NASA-CASE-MFS-25315-1
N83-25378* #	c 60	NASA-CASE-GSC-12223-1			US-PATENT-CLASS-524-233			US-PATENT-APPL-SN-224232
		US-PATENT-APPL-SN-041143			US-PATENT-CLASS-524-726			US-PATENT-CASE-356-129
		US-PATENT-CLASS-364-200			US-PATENT-CLASS-525-181			US-PATENT-4,391,518
		US-PATENT-4,380,046			US-PATENT-CLASS-525-183	N83-29681* #	c 36	NASA-CASE-GSC-12609-2
N83-25789* #	c 24	NASA-CASE-ARC-11261-1			US-PATENT-CLASS-525-184			US-PATENT-APPL-SN-481020
		US-PATENT-APPL-SN-282129			US-PATENT-CLASS-525-474	N83-29707* #	c 37	NASA-CASE-MS-20250-1
		US-PATENT-CLASS-423-447 2			US-PATENT-4,389,504			US-PATENT-APPL-SN-491113
		US-PATENT-CLASS-423-447 6	N83-28281* #	c 31	NASA-CASE-ARC-11363-1	N83-29783* #	c 43	NASA-CASE-LAR-13053-1
		US-PATENT-CLASS-423-447 7			US-PATENT-APPL-SN-500046			US-PATENT-APPL-SN-508372
		US-PATENT-4,385,043	N83-28319* #	c 33	NASA-CASE-MFS-25302-1	N83-29805* #	c 44	NASA-CASE-LEW-13556-2
N83-25791* #	c 24	NASA-CASE-ARC-11427-1			US-PATENT-APPL-SN-243683			US-PATENT-APPL-SN-463440
		US-PATENT-APPL-SN-493865			US-PATENT-CLASS-322-29	N83-29991* #	c 52	NASA-CASE-ARC-11264-2
		NASA-CASE-GSC-12643-1			US-PATENT-CLASS-322-35			US-PATENT-APPL-SN-465370
N83-26078* #	c 37	US-PATENT-APPL-SN-238786			US-PATENT-CLASS-322-47	N83-30222* #	c 74	NASA-CASE-NPO-15828-1
		US-PATENT-CLASS-417-15			US-PATENT-CLASS-322-95			US-PATENT-APPL-SN-411767
		US-PATENT-CLASS-47-26			US-PATENT-4,388,585	N83-30268* #	c 76	NASA-CASE-GSC-12816-1
		US-PATENT-4,381,174	N83-28356* #	c 34	NASA-CASE-GSC-12553-1			US-PATENT-APPL-SN-507625
N83-27058* #	c 31	NASA-CASE-GSC-12636-1			US-PATENT-APPL-SN-106192	N83-31603* #	c 07	NASA-CASE-LEW-14586-1
		US-PATENT-APPL-SN-173520			US-PATENT-CLASS-165-185			US-PATENT-APPL-SN-163122
		US-PATENT-CLASS-125-20			US-PATENT-CLASS-165-32			US-PATENT-CLASS-415-1
		US-PATENT-CLASS-408-1R			US-PATENT-CLASS-165-76			US-PATENT-CLASS-415-175
		US-PATENT-CLASS-408-61			US-PATENT-4,388,965			US-PATENT-CLASS-415-178
		US-PATENT-CLASS-409-131			NASA-CASE-LEW-13268-3			US-PATENT-CLASS-415-47
		US-PATENT-4,383,785	N83-28450* #	c 37	US-PATENT-APPL-SN-500045			US-PATENT-4,338,061
N83-27085* #	c 32	NASA-CASE-NPO-15401-1	N83-28573* #	c 44	NASA-CASE-LAR-12495-1	N83-31743* #	c 25	NASA-CASE-NPO-15304-1
		US-PATENT-APPL-SN-259210			US-PATENT-APPL-SN-263830			US-PATENT-APPL-SN-315587
		US-PATENT-CLASS-333-22F			US-PATENT-CLASS-310-11			US-PATENT-CLASS-201-17

N83-31795* #	c 26	US-PATENT-CLASS-44-1SR US-PATENT-4,391,609 NASA-CASE-LEW-13343 US-PATENT-APPL-SN-293418 US-PATENT-CLASS-427-318 US-PATENT-CLASS-427-419 2 US-PATENT-CLASS-428-450 US-PATENT-CLASS-428-469 US-PATENT-CLASS-428-641 US-PATENT-CLASS-428-650 US-PATENT-CLASS-428-680 US-PATENT-4,374,183	N83-32175* #	c 44	US-PATENT-CLASS-73-856 US-PATENT-CLASS-73-860 US-PATENT-4,393,716 NASA-CASE-LEW-12443-1 US-PATENT-APPL-SN-235797 US-PATENT-CLASS-310-306 US-PATENT-4,373,142	N83-34041* #	c 27	NASA-CASE-LAR-12858-1 US-PATENT-APPL-SN-407240 US-PATENT-CLASS-164-331 12 US-PATENT-CLASS-264-137 US-PATENT-CLASS-264-258 US-PATENT-CLASS-264-331 46 US-PATENT-CLASS-528-222 US-PATENT-CLASS-528-226 US-PATENT-4,398,021
N83-31854* #	c 27	NASA-CASE-ARC-11368-1 US-PATENT-APPL-SN-288267 US-PATENT-CLASS-548-413 US-PATENT-CLASS-548-415 US-PATENT-4,395,557	N83-32176* #	c 44	NASA-CASE-LEW-13171-2 US-PATENT-APPL-SN-333537 US-PATENT-CLASS-29-623 5 US-PATENT-CLASS-429-144 US-PATENT-CLASS-429-251 US-PATENT-CLASS-429-254 US-PATENT-4,371,596	N83-34043* #	c 27	NASA-CASE-NPO-15202-1 US-PATENT-APPL-SN-233271 US-PATENT-CLASS-384-124 US-PATENT-CLASS-523-440 US-PATENT-CLASS-523-443 US-PATENT-4,395,503
N83-31855* #	c 27	NASA-CASE-LEW-1335901 US-PATENT-APPL-SN-229233 US-PATENT-CLASS-427-219 2 US-PATENT-CLASS-427-34 US-PATENT-CLASS-427-405 US-PATENT-CLASS-427-423 US-PATENT-CLASS-428-623 US-PATENT-CLASS-428-633 US-PATENT-CLASS-428-678 US-PATENT-4,335,190	N83-32177* #	c 44	NASA-CASE-LEW-13401-2 US-PATENT-APPL-SN-359388 US-PATENT-CLASS-136-249 US-PATENT-CLASS-357-30 US-PATENT-4,376,872	N83-34073* #	c 31	NASA-CASE-ARC-11246-1 US-PATENT-APPL-SN-136660 US-PATENT-CLASS-156-264 US-PATENT-CLASS-156-344 US-PATENT-CLASS-156-59 US-PATENT-CLASS-273-240 US-PATENT-CLASS-434-403 US-PATENT-CLASS-434-88 US-PATENT-4,385,949
N83-31895* #	c 31	NASA-CASE-MFS-25134-1 US-PATENT-APPL-SN-195226 US-PATENT-CLASS-24-214 US-PATENT-CLASS-244-159 US-PATENT-4,381,583	N83-32232* #	c 47	NASA-CASE-NPO-14936-1 US-PATENT-APPL-SN-163837 US-PATENT-CLASS-250-203R US-PATENT-CLASS-356-222 US-PATENT-4,355,896	N83-34189* #	c 33	NASA-CASE-GSC-12566-1 US-PATENT-APPL-SN-276748 US-PATENT-CLASS-315-208 US-PATENT-CLASS-315-224 US-PATENT-CLASS-315-225 US-PATENT-CLASS-315-237 US-PATENT-CLASS-315-241R US-PATENT-CLASS-372-25 US-PATENT-4,398,129
N83-31896* #	c 31	NASA-CASE-NPO-14596-3 US-PATENT-APPL-SN-303671 US-PATENT-CLASS-264-5 US-PATENT-CLASS-264-9 US-PATENT-CLASS-425-6 US-PATENT-CLASS-65-142 US-PATENT-CLASS-65-214 US-PATENT-CLASS-65-22 US-PATENT-4,344,787	N83-32342* #	c 60	NASA-CASE-NPO-15342-1 US-PATENT-APPL-SN-258623 US-PATENT-CLASS-364-200 US-PATENT-CLASS-364-900 US-PATENT-4,394,726	N83-34190* #	c 33	NASA-CASE-MFS-25607-1 US-PATENT-APPL-SN-325886 US-PATENT-CLASS-361-90 US-PATENT-CLASS-318-729 US-PATENT-CLASS-318-798 US-PATENT-CLASS-318-806 US-PATENT-CLASS-361-100 US-PATENT-CLASS-363-54 US-PATENT-4,400,657
N83-31897* #	c 31	NASA-CASE-NPO-15251-1 US-PATENT-APPL-SN-229239 US-PATENT-CLASS-337-14 US-PATENT-CLASS-62-48 US-PATENT-CLASS-62-514R US-PATENT-4,366,680	N83-32515* #	c 71	NASA-CASE-NPO-15453-1 US-PATENT-APPL-SN-314929 US-PATENT-CLASS-60-721 US-PATENT-CLASS-73-505 US-PATENT-4,393,708	N83-34191* #	c 33	NASA-CASE-GSC-12646-1 US-PATENT-APPL-SN-284290 US-PATENT-CLASS-330-289 US-PATENT-CLASS-330-310 US-PATENT-4,401,953
N83-31918* #	c 32	NASA-CASE-NPO-14525-2 US-PATENT-APPL-SN-165910 US-PATENT-CLASS-343-5CM US-PATENT-CLASS-343-9PS US-PATENT-CLASS-367-88 US-PATENT-4,355,311	N83-32577* #	c 74	NASA-CASE-GSC-12614-1 US-PATENT-APPL-SN-195227 US-PATENT-CLASS-356-353 US-PATENT-CLASS-356-363 US-PATENT-4,395,123	N83-34221* #	c 34	NASA-CASE-LAR-12393-1 US-PATENT-APPL-SN-145208 US-PATENT-CLASS-165-27 US-PATENT-CLASS-165-12 US-PATENT-CLASS-165-61 US-PATENT-CLASS-165-80E US-PATENT-CLASS-374-46 US-PATENT-CLASS-62-514R US-PATENT-CLASS-62-62 US-PATENT-4,346,754
N83-31952* #	c 33	NASA-CASE-LEW-13429-1 US-PATENT-APPL-SN-220212 US-PATENT-CLASS-315-3 US-PATENT-CLASS-315-4 US-PATENT-CLASS-315-5 US-PATENT-CLASS-315-5 35 US-PATENT-CLASS-315-5 38 US-PATENT-4,395,656	N83-33882* #	c 06	NASA-CASE-FRC-11043-1 US-PATENT-APPL-SN-242790 US-PATENT-CLASS-33-322 US-PATENT-CLASS-74-5 34 US-PATENT-4,387,513	N83-34272* #	c 35	NASA-CASE-ARC-11317-1 US-PATENT-APPL-SN-229231 US-PATENT-CLASS-340-518 US-PATENT-CLASS-340-566 US-PATENT-4,374,378
N83-31953* #	c 33	NASA-CASE-MFS-25215-1 US-PATENT-APPL-SN-291131 US-PATENT-CLASS-318-800 US-PATENT-CLASS-318-803 US-PATENT-CLASS-318-809 US-PATENT-4,394,610	N83-33884* #	c 07	NASA-CASE-ARC-10812-1 US-PATENT-APPL-SN-657903 US-PATENT-CLASS-181-213 US-PATENT-CLASS-239-265 17 US-PATENT-CLASS-60-262 US-PATENT-CLASS-60-269 US-PATENT-CLASS-60-271 US-PATENT-4,372,110	N83-34273* #	c 35	NASA-CASE-LAR-12968-1 US-PATENT-APPL-SN-523560 NASA-CASE-ARC-11312-1 US-PATENT-APPL-SN-234224 US-PATENT-CLASS-356-1 US-PATENT-CLASS-356-4 US-PATENT-CLASS-358-109 US-PATENT-CLASS-434-38 US-PATENT-CLASS-434-4 US-PATENT-4,391,514
N83-31954* #	c 33	NASA-CASE-NPO-14940-1 US-PATENT-APPL-SN-135038 US-PATENT-CLASS-324-466 US-PATENT-CLASS-73-861 05 US-PATENT-4,338,568	N83-33950* #	c 24	NASA-CASE-NPO-14987-1 US-PATENT-APPL-SN-164-584 US-PATENT-CLASS-427-215 US-PATENT-CLASS-427-241 US-PATENT-CLASS-428-367 US-PATENT-CLASS-428-375 US-PATENT-CLASS-428-392 US-PATENT-CLASS-428-902 US-PATENT-CLASS-428-903 US-PATENT-4, 359,503	N83-34304* #	c 36	US-PATENT-CLASS-358-104 US-PATENT-CLASS-358-109 US-PATENT-CLASS-434-38 US-PATENT-CLASS-434-4 US-PATENT-4,391,514 NASA-CASE-GSC-12726-1 US-PATENT-APPL-SN-364093 US-PATENT-CLASS-308-10 US-PATENT-4,381,375
N83-31993* #	c 34	NASA-CASE-NPO-15400-1 US-PATENT-APPL-SN-246774 US-PATENT-CLASS-250-573 US-PATENT-CLASS-73-64 4 US-PATENT-4,391,129	N83-33977* #	c 25	NASA-CASE-ARC-11326-1 US-PATENT-APPL-SN-178192 US-PATENT-CLASS-252-5 US-PATENT-CLASS-423-419P US-PATENT-CLASS-423-600 US-PATENT-CLASS-424-156 US-PATENT-4, 356,157	N83-34323* #	c 37	NASA-CASE-GSC-12686-1 US-PATENT-APPL-SN-293412 US-PATENT-CLASS-427-322 US-PATENT-CLASS-427-340 US-PATENT-CLASS-427-352 US-PATENT-CLASS-427-400 US-PATENT-CLASS-427-407 1 US-PATENT-4,362,769
N83-32026* #	c 35	NASA-CASE-LAR-12728-1 US-PATENT-APPL-SN-408575 US-PATENT-CLASS-248-636 US-PATENT-CLASS-248-638 US-PATENT-CLASS-62-295 US-PATENT-CLASS-62-514 R US-PATENT-4,394,819'	N83-34039* #	c 27	NASA-CASE-NPO-14987-1 US-PATENT-APPL-SN-164-584 US-PATENT-CLASS-427-215 US-PATENT-CLASS-427-241 US-PATENT-CLASS-428-367 US-PATENT-CLASS-428-375 US-PATENT-CLASS-428-392 US-PATENT-CLASS-428-902 US-PATENT-CLASS-428-903 US-PATENT-4, 359,503	N83-34448* #	c 44	NASA-CASE-ARC-11164-1 US-PATENT-APPL-SN-308007 US-PATENT-CLASS-350-166 US-PATENT-CLASS-428-312.6 US-PATENT-CLASS-428-325 US-PATENT-CLASS-428-427 US-PATENT-CLASS-428-428 US-PATENT-4,381,333
N83-32067* #	c 37	NASA-CASE-GSC-12517-1 US-PATENT-APPL-SN-214361 US-PATENT-CLASS-104-282 US-PATENT-CLASS-104-290 US-PATENT-CLASS-308-10 US-PATENT-CLASS-310-12 US-PATENT-4,387,935	N83-34040* #	c 27	NASA-CASE-LAR-12838-1 US-PATENT-APPL-SN-320621 US-PATENT-CLASS-526-259 US-PATENT-CLASS-526-285 US-PATENT-CLASS-528-12 US-PATENT-CLASS-528-125 US-PATENT-CLASS-528-126 US-PATENT-CLASS-528-128 US-PATENT-CLASS-528-220 US-PATENT-CLASS-528-222 US-PATENT-CLASS-528-228 US-PATENT-CLASS-528-229 US-PATENT-CLASS-528-38 US-PATENT-4,375,536	N83-34449* #	c 44	NASA-CASE-LAR-12719-1 US-PATENT-APPL-SN-367134 US-PATENT-CLASS-126-901 US-PATENT-CLASS-204-33 US-PATENT-CLASS-204-35N US-PATENT-4,397,716
N83-32081* #	c 39	NASA-CASE-LAR-12602-1 US-PATENT-APPL-SN-210506 US-PATENT-CLASS-374-51 US-PATENT-CLASS-73-818 US-PATENT-CLASS-73-822	N83-34099* #	c 27	NASA-CASE-LAR-12838-1 US-PATENT-APPL-SN-320621 US-PATENT-CLASS-526-259 US-PATENT-CLASS-526-285 US-PATENT-CLASS-528-12 US-PATENT-CLASS-528-125 US-PATENT-CLASS-528-126 US-PATENT-CLASS-528-128 US-PATENT-CLASS-528-220 US-PATENT-CLASS-528-222 US-PATENT-CLASS-528-228 US-PATENT-CLASS-528-229 US-PATENT-CLASS-528-38 US-PATENT-4,375,536	N83-34796* #	c 76	NASA-CASE-LEW-12582-1 US-PATENT-APPL-SN-397281 US-PATENT-CLASS-310-332 US-PATENT-CLASS-310-800 US-PATENT-CLASS-428-294

	US-PATENT-CLASS-428-421		US-PATENT-CLASS-219-390		US-PATENT-CLASS-604-378
	US-PATENT-CLASS-428-422		US-PATENT-CLASS-219-411		US-PATENT-CLASS-604-396
N83-35176* #	US-PATENT-4,400,642		US-PATENT-CLASS-350-316		US-PATENT-4,338,371
c 31	NASA-CASE-NPO-15070-1		US-PATENT-4,408,658	N84-11761* #	US-PATENT-4,411,660
	US-PATENT-APPL-SN-403847	N83-36355* #	NASA-CASE-GSC-12630-1	c 54	NASA-CASE-MFS-25906-1
	US-PATENT-CLASS-264-12		US-PATENT-APPL-SN-308009		US-PATENT-APPL-SN-537757
	US-PATENT-CLASS-264-24		US-PATENT-CLASS-343-100AP	N84-11920* #	NASA-CASE-GSC-12640-1
	US-PATENT-CLASS-264-5		US-PATENT-CLASS-343-840	c 74	US-PATENT-APPL-SN-267178
	US-PATENT-CLASS-425-10		US-PATENT-4,407,001		US-PATENT-CLASS-250-363R
	US-PATENT-CLASS-425-6	N83-36356* #	NASA-CASE-KSC-11170-1		US-PATENT-CLASS-250-363S
	US-PATENT-CLASS-425-7		US-PATENT-APPL-SN-284288		US-PATENT-CLASS-250-368
	US-PATENT-CLASS-425-142		US-PATENT-CLASS-330-110		US-PATENT-CLASS-378-2
	US-PATENT-CLASS-65-21 3		US-PATENT-CLASS-330-282	N84-11921* #	US-PATENT-4,404,469
	US-PATENT-CLASS-65-21 4		US-PATENT-4,406,989	c 74	NASA-CASE-NPO-15375-1
	US-PATENT-CLASS-65-22	N83-36357* #	NASA-CASE-LAR-12654-1		US-PATENT-APPL-SN-210405
	US-PATENT-4,400,191		US-PATENT-APPL-SN-234225		US-PATENT-CLASS-250-227
N83-35177* #	NASA-CASE-LEW-13450-1		US-PATENT-CLASS-368-184		US-PATENT-CLASS-3-1 1
c 31	US-PATENT-APPL-SN-328760		US-PATENT-CLASS-368-200		US-PATENT-CLASS-350-96 10
	US-PATENT-CLASS-427-243		US-PATENT-CLASS-368-201		US-PATENT-CLASS-350-96 15
	US-PATENT-CLASS-427-247		US-PATENT-4,407,589		US-PATENT-CLASS-73-432T
	US-PATENT-CLASS-427-34	N83-36482* #	NASA-CASE-MSC-18791-1		US-PATENT-4,405,197
	US-PATENT-CLASS-427-423		US-PATENT-APPL-SN-248746	N84-12092* #	NASA-CASE-LAR-13255-1
	US-PATENT-4,402,992		US-PATENT-CLASS-29-446	c 02	US-PATENT-APPL-SN-550681
N83-35178* #	NASA-CASE-LAR-13098-1		US-PATENT-CLASS-73-862 54		NASA-CASE-NPO-16171-1-CU
c 31	US-PATENT-APPL-SN-530339		US-PATENT-CLASS-81-55	N84-12151* #	US-PATENT-APPL-SN-551536
	NASA-CASE-MFS-25209-1		US-PATENT-CLASS-81-57 38	c 05	NASA-CASE-LAR-12615-1
N83-35227* #	US-PATENT-APPL-SN-291132		US-PATENT-4,407,165		US-PATENT-APPL-SN-263829
c 33	US-PATENT-CLASS-318-685	N83-36483* #	NASA-CASE-MSC-18807-1		US-PATENT-CLASS-244-13
	US-PATENT-CLASS-318-798		US-PATENT-APPL-SN-266688		US-PATENT-CLASS-244-45R
	US-PATENT-CLASS-318-806		US-PATENT-CLASS-123-197R		US-PATENT-CLASS-244-53R
	US-PATENT-4,401,934		US-PATENT-CLASS-123-78E		US-PATENT-CLASS-244-55
N83-35228* #	NASA-CASE-GSC-12804-1		US-PATENT-4,406,256		US-PATENT-CLASS-244-91
c 33	US-PATENT-APPL-SN-529803	N83-36484* #	NASA-CASE-NPO-15482-1		US-PATENT-4,415,133
	NASA-CASE-MFS-25750-1		US-PATENT-APPL-SN-526739	N84-12193* #	NASA-CASE-ARC-11426-1
N83-35229* #	US-PATENT-APPL-SN-530185		NASA-CASE-NPO-15960-1	c 09	US-PATENT-APPL-SN-526741
c 33	NASA-CASE-GSC-12812-1	N83-36485* #	NASA-CASE-NPO-16120-1		NASA-CASE-NPO-15458-1
	US-PATENT-APPL-SN-434674		US-PATENT-APPL-SN-527613	N84-12262* #	US-PATENT-APPL-SN-376306
	US-PATENT-CLASS-165-104 26	N83-36846* #	NASA-CASE-NPO-15435-1	c 25	US-PATENT-CLASS-204-DIG 3
	US-PATENT-CLASS-165-32		US-PATENT-APPL-SN-272837		US-PATENT-CLASS-204-129
	US-PATENT-4,402,358		US-PATENT-CLASS-308-10		US-PATENT-CLASS-204-242
N83-35338* #	NASA-CASE-LEW-13934-1		US-PATENT-CLASS-73-505		US-PATENT-CLASS-204-278
c 35	US-PATENT-APPL-SN-212949		US-PATENT-4,402,221		US-PATENT-CLASS-204-290R
	US-PATENT-CLASS-228-103	N83-36898* #	NASA-CASE-GSC-12683-1		US-PATENT-CLASS-427-443 2
	US-PATENT-CLASS-228-193		US-PATENT-APPL-SN-333535		US-PATENT-CLASS-429-111
	US-PATENT-CLASS-228-263 18		US-PATENT-CLASS-350-173	N84-12406* #	US-PATENT-4,414,080
	US-PATENT-CLASS-415-118		US-PATENT-CLASS-350-445	c 34	NASA-CASE-MFS-25631-1
	US-PATENT-4,402,447	N84-11136* #	US-PATENT-4,407,563		US-PATENT-APPL-SN-308203
N83-35350* #	NASA-CASE-NPO-15201-1	c 02	NASA-CASE-LAR-12843-1		US-PATENT-CLASS-239-426
c 36	US-PATENT-APPL-SN-246778		US-PATENT-APPL-SN-392096		US-PATENT-4,413,784
	US-PATENT-CLASS-330-4		US-PATENT-CLASS-244-35A	N84-12443* #	NASA-CASE-FRC-11068-1
	US-PATENT-CLASS-332-7 5		US-PATENT-CLASS-244-35R	c 35	US-PATENT-APPL-SN-322314
	US-PATENT-CLASS-333-24 2		US-PATENT-CLASS-416-223R		US-PATENT-CLASS-156-215
	US-PATENT-4,399,415		US-PATENT-CLASS-416-242		US-PATENT-CLASS-156-230
N83-35781* #	NASA-CASE-NPO-15334-1		US-PATENT-4,412,664		US-PATENT-CLASS-156-235
c 71	US-PATENT-APPL-SN-341406	N84-11213* #	NASA-CASE-ARC-11418-1		US-PATENT-CLASS-156-294
	US-PATENT-CLASS-210-748	c 24	US-PATENT-APPL-SN-452464		US-PATENT-CLASS-156-391
	US-PATENT-CLASS-252-361		US-PATENT-CLASS-523-435		US-PATENT-CLASS-156-423
	US-PATENT-CLASS-366-114		US-PATENT-CLASS-523-456		US-PATENT-CLASS-156-540
	US-PATENT-CLASS-55-15		US-PATENT-CLASS-528-110		US-PATENT-CLASS-156-71
	US-PATENT-CLASS-55-277		US-PATENT-CLASS-528-361		US-PATENT-CLASS-338-2
	US-PATENT-CLASS-55-38		US-PATENT-4,410,682	N84-12444* #	US-PATENT-4,407,686
	US-PATENT-CLASS-55-52	N84-11214* #	NASA-CASE-LAR-12807-1	c 35	NASA-CASE-LAR-12706-1
	US-PATENT-CLASS-65-134		US-PATENT-APPL-SN-280155		US-PATENT-APPL-SN-210498
	US-PATENT-4,398,925		US-PATENT-CLASS-228-157		US-PATENT-CLASS-324-250
N83-35888* #	NASA-CASE-NPO-15530-1		US-PATENT-CLASS-228-181		US-PATENT-CLASS-328-230
c 76	US-PATENT-APPL-SN-364092		US-PATENT-CLASS-228-212		US-PATENT-CLASS-372-74
	US-PATENT-CLASS-156-DIG 6		US-PATENT-CLASS-244-119		US-PATENT-4,414,509
	US-PATENT-CLASS-156-DIG 73		US-PATENT-CLASS-244-123	N84-12445* #	NASA-CASE-LAR-12882-1
	US-PATENT-CLASS-156-608		US-PATENT-CLASS-428-593	c 35	US-PATENT-APPL-SN-267179
	US-PATENT-4,401,505		US-PATENT-CLASS-52-806		US-PATENT-CLASS-364-415
N83-35992* #	NASA-CASE-LAR-12624-1		US-PATENT-CLASS-52-808		US-PATENT-CLASS-73-646
c 01	US-PATENT-APPL-SN-259209		US-PATENT-4,411,380		US-PATENT-CLASS-73-658
	US-PATENT-CLASS-102-378	N84-11297* #	NASA-CASE-MFS-25910-1		US-PATENT-4,413,522
	US-PATENT-CLASS-244-137P	c 27	US-PATENT-APPL-SN-548582	N84-12463* #	NASA-CASE-NPO-16112-1
	US-PATENT-CLASS-89-1B		NASA-CASE-LEW-13922-1	c 36	US-PATENT-APPL-SN-542232
	US-PATENT-4,407,468	N84-11389* #	US-PATENT-APPL-SN-537614		NASA-CASE-GSC-12619-1
N83-36029* #	NASA-CASE-LEW-13142-1	c 33	NASA-CASE-MFS-25678-1	N84-12491* #	US-PATENT-APPL-SN-225499
c 07	US-PATENT-APPL-SN-132364		US-PATENT-APPL-SN-378533		US-PATENT-CLASS-101-407BP
	US-PATENT-CLASS-60-39 07	N84-11497* #	US-PATENT-CLASS-277-116 6		US-PATENT-CLASS-269-3
	US-PATENT-4,404,793		US-PATENT-CLASS-277-124		US-PATENT-4,393,777
N83-36118* #	NASA-CASE-ARC-11252-1		US-PATENT-CLASS-277-164	N84-12492* #	NASA-CASE-GSC-12622-1
c 25	US-PATENT-APPL-SN-317977		US-PATENT-CLASS-277-177	c 37	US-PATENT-APPL-SN-243684
	US-PATENT-CLASS-169-47		US-PATENT-CLASS-277-190		US-PATENT-CLASS-308-2A
	US-PATENT-CLASS-252-2		US-PATENT-4,410,189		US-PATENT-4,405,184
	US-PATENT-CLASS-252-5	N84-11501* #	NASA-CASE-MFS-25949-1		NASA-CASE-LAR-12923-1
	US-PATENT-4,406,797	c 37	US-PATENT-APPL-SN-538063	N84-12493* #	US-PATENT-APPL-SN-383063
N83-36220* #	NASA-CASE-MFS-25436-1		NASA-CASE-MFS-25740-1		US-PATENT-CLASS-416-117
c 27	US-PATENT-APPL-SN-280151	N84-11744* #	US-PATENT-APPL-SN-371352		US-PATENT-CLASS-416-132B
	US-PATENT-CLASS-156-DIG 73		US-PATENT-CLASS-128-DIG 25		US-PATENT-4,415,311
	US-PATENT-CLASS-156-DIG 89		US-PATENT-CLASS-128-1R	N84-12654* #	NASA-CASE-NSTL-10
	US-PATENT-CLASS-156-600		US-PATENT-CLASS-128-346	c 45	US-PATENT-APPL-SN-335036
	US-PATENT-CLASS-156-610		US-PATENT-4,408,597		US-PATENT-CLASS-210-151
	US-PATENT-CLASS-165-2	N84-11758* #	NASA-CASE-MSC-18223-2		US-PATENT-CLASS-210-602
	US-PATENT-CLASS-165-58	c 54	US-PATENT-APPL-SN-219681		US-PATENT-CLASS-210-605
	US-PATENT-CLASS-219-343		US-PATENT-APPL-SN-368187		US-PATENT-CLASS-210-617
	US-PATENT-CLASS-219-354		US-PATENT-CLASS-604-368		US-PATENT-CLASS-47-58

	US-PATENT-CLASS-244-215		US-PATENT-CLASS-528-348		US-PATENT-CLASS-356-234
	US-PATENT-CLASS-244-216		US-PATENT-4,395,540		US-PATENT-4,431,306
	US-PATENT-CLASS-244-219		US-PATENT-4,431,792	N84-22932* #	c 35
N84-22559* #	US-PATENT-4,444,368	N84-22747* #	NASA-CASE-LAR-12931-1		NASA-CASE-LAR-12967-1
c 07	NASA-CASE-LEW-13622-1		US-PATENT-APPL-SN-433598		US-PATENT-APPL-SN-414107
	US-PATENT-APPL-SN-350473		US-PATENT-CLASS-524-171		US-PATENT-CLASS-310-317
	US-PATENT-CLASS-364-558		US-PATENT-CLASS-525-534		US-PATENT-CLASS-310-334
	US-PATENT-CLASS-73-115		US-PATENT-CLASS-525-535		US-PATENT-CLASS-310-366
	US-PATENT-4,428,226		US-PATENT-CLASS-525-536	N84-22933* #	c 35
N84-22560* #	NASA-CASE-LEW-13654-1		US-PATENT-CLASS-528-25		US-PATENT-4,446,396
c 07	US-PATENT-APPL-SN-245571		US-PATENT-CLASS-528-26		NASA-CASE-LAR-12995-1
	US-PATENT-CLASS-416-224		US-PATENT-4,431,761		US-PATENT-APPL-SN-444150
	US-PATENT-CLASS-416-233	N84-22748* #	NASA-CASE-NPO-15640-1		US-PATENT-CLASS-181-121
	US-PATENT-CLASS-416-92	c 27	US-PATENT-APPL-SN-465367		US-PATENT-CLASS-367-189
	US-PATENT-CLASS-416-97R		US-PATENT-CLASS-156-304 3		US-PATENT-CLASS-73-589
	US-PATENT-4,411,597		US-PATENT-CLASS-156-304 6	N84-22934* #	c 35
N84-22596* #	NASA-CASE-MS-20622-1		US-PATENT-CLASS-156-499		US-PATENT-4,445,378
c 14	US-PATENT-APPL-SN-571616		US-PATENT-CLASS-156-81		NASA-CASE-ARC-11361-1
	NASA-CASE-MS-20254-1		US-PATENT-CLASS-156-89		US-PATENT-APPL-SN-373771
N84-22601* #	US-PATENT-APPL-SN-418137		US-PATENT-4,420,352		US-PATENT-CLASS-340-870 13
c 16	US-PATENT-CLASS-244-158A	N84-22749* #	NASA-CASE-LAR-12980-1		US-PATENT-CLASS-73-147
	US-PATENT-CLASS-52-404	c 27	US-PATENT-APPL-SN-469866		US-PATENT-CLASS-73-721
	US-PATENT-CLASS-52-506		US-PATENT-CLASS-528-125		US-PATENT-CLASS-73-756
	US-PATENT-4,439,968		US-PATENT-CLASS-528-128	N84-22943* #	c 36
N84-22605* #	NASA-CASE-MS-18969-1		US-PATENT-CLASS-528-172		US-PATENT-4,442,716
c 18	US-PATENT-APPL-SN-368189		US-PATENT-CLASS-528-185		NASA-CASE-NPO-15516-1
	US-PATENT-CLASS-244-161		US-PATENT-CLASS-528-172		US-PATENT-APPL-SN-364126
	US-PATENT-CLASS-403-322	N84-22750* #	US-PATENT-4,444,979		US-PATENT-CLASS-372-20
	US-PATENT-4,431,333	c 27	NASA-CASE-ARC-11370-1		US-PATENT-CLASS-372-32
	NASA-CASE-MFS-15429-1		US-PATENT-APPL-SN-491125	N84-22944* #	c 36
N84-22609* #	US-PATENT-APPL-SN-596959		US-PATENT-CLASS-525-389		US-PATENT-4,434,490
c 18	NASA-CASE-MS-20543-1		US-PATENT-CLASS-528-399		NASA-CASE-LEW-13526-1
	US-PATENT-APPL-SN-580574		US-PATENT-CLASS-528-399		US-PATENT-APPL-SN-358398
N84-22612* #	NASA-CASE-ARC-11505-1		US-PATENT-CLASS-528-7		US-PATENT-CLASS-118-50 1
c 18	US-PATENT-APPL-SN-588036		US-PATENT-CLASS-528-7		US-PATENT-CLASS-118-624
	NASA-CASE-LEW-13837-1		US-PATENT-CLASS-568-4		US-PATENT-CLASS-118-641
N84-22695* #	US-PATENT-APPL-SN-495381		US-PATENT-CLASS-568-5		US-PATENT-CLASS-427-399
c 24	US-PATENT-CLASS-204-192C	N84-22820* #	US-PATENT-4,444,972	N84-22957* #	c 37
	US-PATENT-CLASS-204-192R	c 32	NASA-CASE-MS-18675-1		NASA-CASE-LEW-13269-2
	US-PATENT-CLASS-204-192SP		US-PATENT-APPL-SN-266687		US-PATENT-APPL-SN-242795
	US-PATENT-CLASS-423-DIG 10		US-PATENT-CLASS-343-17 5		US-PATENT-APPL-SN-431448
	US-PATENT-CLASS-423-414		US-PATENT-CLASS-343-9R		US-PATENT-CLASS-415-174
	US-PATENT-CLASS-423-445	N84-22884* #	US-PATENT-4,439,766		US-PATENT-CLASS-427-34
	US-PATENT-CLASS-423-446	c 33	NASA-CASE-MFS-256704-1		US-PATENT-CLASS-427-423
	US-PATENT-CLASS-423-449		US-PATENT-APPL-SN-409679		US-PATENT-CLASS-427-53 1
	US-PATENT-4,437,962		US-PATENT-CLASS-204-192EC		US-PATENT-CLASS-434,189
N84-22697* #	NASA-CASE-ARC-11428-1	N84-22885* #	US-PATENT-4,437,961	N84-22958* #	c 37
c 24	US-PATENT-APPL-SN-599126	c 33	NASA-CASE-MFS-25535-2		NASA-CASE-LEW-12590-1
	NASA-CASE-NPO-15210-1		US-PATENT-APPL-SN-476244		US-PATENT-APPL-SN-229693
N84-22709* #	US-PATENT-APPL-SN-322312		US-PATENT-CLASS-318-438		US-PATENT-CLASS-60-730
c 25	US-PATENT-CLASS-208-10		US-PATENT-CLASS-318-729		US-PATENT-CLASS-60-736
	US-PATENT-CLASS-208-8LE		US-PATENT-CLASS-318-798	N84-22959* #	c 37
	US-PATENT-4,443,321		US-PATENT-CLASS-318-805		US-PATENT-4,429,537
N84-22734* #	NASA-CASE-LEW-13349-1		US-PATENT-CLASS-318-810	N84-23012* #	c 43
c 26	US-PATENT-APPL-SN-350476	N84-22886* #	US-PATENT-4,433,276		NASA-CASE-LEW-13670-1
	US-PATENT-CLASS-29-623 5	c 33	NASA-CASE-MFS-25323-1		US-PATENT-APPL-SN-603374
	US-PATENT-CLASS-427-115		US-PATENT-APPL-SN-297524	N84-23018* #	c 44
	US-PATENT-CLASS-427-125		US-PATENT-CLASS-318-729		NASA-CASE-NPO-15656-1
	US-PATENT-CLASS-427-126 6		US-PATENT-CLASS-318-812		US-PATENT-APPL-SN-569370
	US-PATENT-CLASS-427-296	N84-22887* #	US-PATENT-4,439,718		NASA-CASE-NPO-15496-1
	US-PATENT-CLASS-427-306	c 33	NASA-CASE-GSC-12567-1		US-PATENT-APPL-SN-379629
	US-PATENT-CLASS-429-223		US-PATENT-APPL-SN-373839		US-PATENT-CLASS-290-55
	US-PATENT-CLASS-429-234		US-PATENT-CLASS-330-109		US-PATENT-CLASS-415-DIG 8
	US-PATENT-4,439,465		US-PATENT-CLASS-330-277		US-PATENT-CLASS-415-2R
N84-22744* #	NASA-CASE-ARC-11402-1		US-PATENT-CLASS-330-294		US-PATENT-CLASS-60-641 12
c 27	US-PATENT-APPL-SN-366025	N84-22903* #	US-PATENT-4,437,069	N84-23019* #	c 44
	US-PATENT-CLASS-260-465 5R	c 34	NASA-CASE-NPO-15465-1		US-PATENT-CLASS-60-698
	US-PATENT-CLASS-260-465 6		US-PATENT-APPL-SN-284289		US-PATENT-CLASS-60-716
	US-PATENT-CLASS-528-362		US-PATENT-CLASS-126-417		US-PATENT-4,433,544
	US-PATENT-CLASS-528-401		US-PATENT-CLASS-165-DIG 6		NASA-CASE-LAR-12958-1
	US-PATENT-CLASS-528-422		US-PATENT-CLASS-165-135		US-PATENT-APPL-SN-433196
	US-PATENT-CLASS-528-423		US-PATENT-CLASS-62-DIG 1		US-PATENT-CLASS-104-DIG 4
	US-PATENT-CLASS-544-215		US-PATENT-CLASS-62-264		US-PATENT-CLASS-204-DIG 3
	US-PATENT-CLASS-564-243		US-PATENT-CLASS-62-467R		US-PATENT-CLASS-204-129
	US-PATENT-4,434,106	N84-22928* #	US-PATENT-4,423,605		US-PATENT-CLASS-204-278
N84-22745* #	NASA-CASE-ARC-11368-3	c 35	NASA-CASE-MFS-25687-1	N84-23095* #	c 52
c 27	US-PATENT-APPL-SN-288267		US-PATENT-APPL-SN-350474		US-PATENT-4,432,853
	US-PATENT-APPL-SN-512795		US-PATENT-CLASS-324-262		NASA-CASE-MS-20261-2
	US-PATENT-CLASS-428-370		US-PATENT-CLASS-73-620		US-PATENT-APPL-SN-393581
	US-PATENT-CLASS-428-408		US-PATENT-CLASS-73-633		US-PATENT-CLASS-2-161R
	US-PATENT-CLASS-428-902		US-PATENT-CLASS-74-58		US-PATENT-CLASS-2-167
	US-PATENT-CLASS-428-920	N84-22929* #	US-PATENT-4,434,659	N84-23113* #	c 54
	US-PATENT-CLASS-525-417	c 35	NASA-CASE-MFS-25405-1		US-PATENT-4,433,439
	US-PATENT-CLASS-526-262		US-PATENT-APPL-SN-274708		NASA-CASE-NPO-15689-1
	US-PATENT-CLASS-528-228		US-PATENT-CLASS-356-347		US-PATENT-APPL-SN-358089
	US-PATENT-CLASS-528-322	N84-22930* #	US-PATENT-4,429,675		US-PATENT-CLASS-310-300
	US-PATENT-CLASS-548-415	c 35	NASA-CASE-LEW-13598-1		US-PATENT-CLASS-318-116
	US-PATENT-4,395,557		US-PATENT-APPL-SN-425203	N84-23233* #	c 71
	US-PATENT-4,433,115		US-PATENT-CLASS-101-395		US-PATENT-CLASS-60-721
N84-22746* #	NASA-CASE-LAR-12723-2		US-PATENT-CLASS-156-630		US-PATENT-CLASS-73-505
c 27	US-PATENT-APPL-SN-199768		US-PATENT-CLASS-156-654		US-PATENT-CLASS-73-505
	US-PATENT-APPL-SN-447371		US-PATENT-CLASS-228-165		US-PATENT-4,420,977
	US-PATENT-CLASS-525-426		US-PATENT-4,437,923	N84-23247* #	c 74
	US-PATENT-CLASS-528-183	N84-22931* #	NASA-CASE-NPO-15398-1		NASA-CASE-NPO-15435-1
	US-PATENT-CLASS-528-220	c 35	US-PATENT-APPL-SN-259212		US-PATENT-APPL-SN-276749
	US-PATENT-CLASS-528-345		US-PATENT-CLASS-356-216		US-PATENT-CLASS-358-125

		US-PATENT-CLASS-358-213		US-PATENT-4,456,208		US-PATENT-APPL-SN-309292
N84-23248* #	c 74	US-PATENT-4,430,673	N84-27951* #	NASA-CASE-NPO-15024-1		US-PATENT-CLASS-30-180
		NASA-CASE-GSC-127556-1		US-PATENT-APPL-SN-284287		US-PATENT-CLASS-30-188
		US-PATENT-APPL-SN-378535		US-PATENT-CLASS-343-177		US-PATENT-CLASS-30-228
		US-PATENT-CLASS-350-172		US-PATENT-CLASS-434-2		US-PATENT-CLASS-30-249
		US-PATENT-CLASS-350-173	N84-27952* #	US-PATENT-4,450,447		US-PATENT-CLASS-30-272R
		US-PATENT-CLASS-350-443		NASA-CASE-MSC-16170-2	N84-28203* #	US-PATENT-4,458,418
N84-24577* #	c 07	US-PATENT-4,444,464		US-PATENT-APPL-SN-147695		NASA-CASE-NPO-15388-1
		NASA-CASE-LEW-14035-1		US-PATENT-APPL-SN-737975		US-PATENT-APPL-SN-284286
		US-PATENT-APPL-SN-136652		US-PATENT-CLASS-329-124		US-PATENT-CLASS-126-419
		US-PATENT-CLASS-60-757		US-PATENT-CLASS-375-120		US-PATENT-CLASS-126-438
		US-PATENT-4,414,816		US-PATENT-CLASS-375-77		US-PATENT-CLASS-126-451
N84-24711* #	c 24	NASA-CASE-LEW-13826-2		US-PATENT-CLASS-375-81	N84-28204* #	US-PATENT-4,433,672
		US-PATENT-APPL-SN-609742		US-PATENT-CLASS-455-202		NASA-CASE-NPO-15662-1
N84-24807* #	c 27	NASA-CASE-GSC-12913-1		US-PATENT-CLASS-455-208		US-PATENT-APPL-SN-392103
		US-PATENT-APPL-SN-606430		US-PATENT-CLASS-455-260		US-PATENT-CLASS-126-418
N84-25015* #	c 35	NASA-CASE-ARC-11510-1		US-PATENT-CLASS-455-265		US-PATENT-CLASS-126-438
		US-PATENT-APPL-SN-602049		US-PATENT-4,455,680		US-PATENT-CLASS-126-440
N84-25016* #	c 35	NASA-CASE-GSC-12911-1	N84-27974* #	NASA-CASE-LEW-13736-1		US-PATENT-4,449,514
		US-PATENT-APPL-SN-606426		US-PATENT-APPL-SN-434084	N84-28205* #	NASA-CASE-LEW-13653-1
N84-25037* #	c 36	NASA-CASE-NPO-16030-1		US-PATENT-CLASS-315-366		US-PATENT-APPL-SN-352821
		US-PATENT-APPL-SN-582494		US-PATENT-CLASS-315-393		US-PATENT-CLASS-204-290
N84-25063* #	c 37	NASA-CASE-LAR-13169-1		US-PATENT-CLASS-331-82		US-PATENT-CLASS-29-623
		US-PATENT-APPL-SN-606431		US-PATENT-CLASS-333-162		US-PATENT-CLASS-29-825
N84-25164* #	c 44	NASA-CASE-NPO-16236-1		US-PATENT-4,459,562		US-PATENT-CLASS-427-113
		US-PATENT-APPL-SN-582495	N84-27975* #	NASA-CASE-MFS-25854-1		US-PATENT-CLASS-427-115
N84-25306* #	c 60	NASA-CASE-NPO-16116-1		US-PATENT-APPL-SN-450166		US-PATENT-CLASS-427-125
		US-PATENT-APPL-SN-587749		US-PATENT-CLASS-318-729		US-PATENT-CLASS-427-226
N84-25431* #	c 72	NASA-CASE-LAR-13174-1		US-PATENT-CLASS-318-809		US-PATENT-CLASS-427-372
		US-PATENT-APPL-SN-602105		US-PATENT-CLASS-323-300		US-PATENT-CLASS-427-379
N84-25450* #	c 74	NASA-CASE-GSC-12897-1		US-PATENT-4,459,528		US-PATENT-CLASS-427-380
		US-PATENT-APPL-SN-606432	N84-28015* #	NASA-CASE-WLP-10055-1		US-PATENT-CLASS-427-443
N84-26400* #	c 74	NASA-CASE-ARC-11502-1		US-PATENT-APPL-SN-352827		US-PATENT-CLASS-429-44
		US-PATENT-APPL-SN-594134		US-PATENT-CLASS-73-86265		US-PATENT-4,454,649
N84-27713* #	c 04	NASA-CASE-NPO-15264-1	N84-28016* #	US-PATENT-4,425,808		NASA-CASE-LAR-12971-1
		US-PATENT-APPL-SN-241154		NASA-CASE-NPO-15423-1	N84-28292* #	US-PATENT-APPL-SN-444149
		US-PATENT-CLASS-343-105R		US-PATENT-APPL-SN-361216		US-PATENT-CLASS-250-356
		US-PATENT-CLASS-364-452		US-PATENT-CLASS-250-296		US-PATENT-CLASS-73-189
N84-27733* #	c 06	US-PATENT-4,396,918	N84-28017* #	US-PATENT-4,435,642		US-PATENT-CLASS-73-86171
		NASA-CASE-LAR-12630-1		NASA-CASE-NPO-15706-1		US-PATENT-4,449,400
		US-PATENT-APPL-SN-383384		US-PATENT-APPL-SN-350475	N84-28361* #	NASA-CASE-ARC-11359-1
		US-PATENT-CLASS-340-705		US-PATENT-CLASS-310-154		US-PATENT-APPL-SN-392092
		US-PATENT-CLASS-340-971		US-PATENT-CLASS-310-171		US-PATENT-CLASS-264-41
		US-PATENT-CLASS-340-975		US-PATENT-CLASS-310-68B		US-PATENT-CLASS-521-141
		US-PATENT-CLASS-340-978		US-PATENT-CLASS-335-222		US-PATENT-CLASS-521-142
		US-PATENT-CLASS-340-980	N84-28018* #	US-PATENT-4,443,724		US-PATENT-CLASS-521-149
		US-PATENT-CLASS-73-178R		NASA-CASE-NFS-25754-1		US-PATENT-4,456,708
		US-PATENT-4,453,163		US-PATENT-APPL-SN-359826	N84-28388* #	NASA-CASE-LAR-12650-1
N84-27749* #	c 09	NASA-CASE-MRS-25791-1		US-PATENT-CLASS-33-169F		US-PATENT-APPL-SN-264381
		US-PATENT-APPL-SN-409678		US-PATENT-CLASS-62-128		US-PATENT-CLASS-128-325
		US-PATENT-CLASS-417-159		US-PATENT-CLASS-73-150R		US-PATENT-CLASS-128-346
		US-PATENT-CLASS-73-1171		US-PATENT-CLASS-73-170R		US-PATENT-CLASS-24-560
		US-PATENT-4,454,753		US-PATENT-CLASS-73-32R		US-PATENT-4,416,266
N84-27784* #	c 16	NASA-CASE-MFS-25853-1		US-PATENT-CLASS-73-88441	N84-28389* #	NASA-CASE-LAR-12650-2
		US-PATENT-APPL-SN-418138		US-PATENT-4,398,412		US-PATENT-APPL-SN-264381
		US-PATENT-CLASS-244-158R	N84-28019* #	NASA-CASE-LAR-12743-1		US-PATENT-APPL-SN-465363
		US-PATENT-CLASS-244-172		US-PATENT-APPL-SN-372279		US-PATENT-CLASS-156-191
		US-PATENT-CLASS-244-63		US-PATENT-CLASS-374-1		US-PATENT-CLASS-156-285
		US-PATENT-4,452,412		US-PATENT-CLASS-73-1B		US-PATENT-CLASS-156-289
N84-27787* #	c 18	NASA-CASE-MFS-25878-1		US-PATENT-4,426,874		US-PATENT-CLASS-156-382
		US-PATENT-APPL-SN-431886	N84-28065* #	NASA-CASE-GSC-12592-1		US-PATENT-CLASS-29-423
		US-PATENT-CLASS-244-172		US-PATENT-APPL-SN-199766		US-PATENT-CLASS-29-451
		US-PATENT-CLASS-244-2		US-PATENT-CLASS-372-103		US-PATENT-4,447,943
		US-PATENT-CLASS-244-63		US-PATENT-CLASS-372-4	N84-28484* #	NASA-CASE-MSC-20261-1
		US-PATENT-4,451,017		US-PATENT-CLASS-372-71		US-PATENT-APPL-SN-393586
N84-27829* #	c 24	NASA-CASE-LEW-13758-1		US-PATENT-CLASS-372-93		US-PATENT-CLASS-2-161R
		US-PATENT-APPL-SN-418139		US-PATENT-CLASS-372-95		US-PATENT-CLASS-2-164
		US-PATENT-CLASS-73-833		US-PATENT-4,446,556		US-PATENT-CLASS-2-167
		US-PATENT-CLASS-73-856	N84-28081* #	NASA-CASE-NPO-14597-2		US-PATENT-4,454,611
		US-PATENT-4,452,088		US-PATENT-APPL-SN-037194	N84-28491* #	NASA-CASE-GSC-12447-2
N84-27855* #	c 26	NASA-CASE-LEW-13639-2		US-PATENT-APPL-SN-401288		US-PATENT-APPL-SN-128230
		US-PATENT-APPL-SN-456460		US-PATENT-CLASS-417-328		US-PATENT-APPL-SN-501060
		US-PATENT-CLASS-427-34		US-PATENT-CLASS-417-392		US-PATENT-CLASS-364-900
		US-PATENT-CLASS-427-405		US-PATENT-CLASS-417-462		US-PATENT-4,435,781
		US-PATENT-CLASS-427-4192	N84-28082* #	US-PATENT-4,449,894		NASA-CASE-MSC-20258-1
		US-PATENT-CLASS-428-632		NASA-CASE-GSC-12550-1	N84-28492* #	US-PATENT-APPL-SN-235472
		US-PATENT-4,451,496		US-PATENT-APPL-SN-238888		US-PATENT-CLASS-340-825.21
N84-27884* #	c 27	NASA-CASE-ARC-11405-1		US-PATENT-CLASS-73-468		US-PATENT-CLASS-340-825.5
		US-PATENT-APPL-SN-415880		US-PATENT-CLASS-74-5		US-PATENT-CLASS-364-900
		US-PATENT-CLASS-528-271		US-PATENT-CLASS-74-573R		US-PATENT-4,446,459
		US-PATENT-CLASS-528-310		US-PATENT-4,458,554	N84-28565* #	NASA-CASE-LEW-12919-2
		US-PATENT-CLASS-528-327	N84-28083* #	NASA-CASE-GSC-12762-1		US-PATENT-APPL-SN-264378
		US-PATENT-CLASS-528-331		US-PATENT-APPL-SN-364094		US-PATENT-APPL-SN-364072
		US-PATENT-CLASS-528-362		US-PATENT-CLASS-269-224		US-PATENT-CLASS-313-106
		US-PATENT-4,450,268		US-PATENT-CLASS-269-242		US-PATENT-CLASS-313-107
N84-27885* #	c 27	NASA-CASE-LEW-13770-1		US-PATENT-CLASS-269-244		US-PATENT-CLASS-313-351
		US-PATENT-APPL-SN-404809		US-PATENT-CLASS-269-252		US-PATENT-CLASS-315-5.38
		US-PATENT-CLASS-526-262		US-PATENT-CLASS-269-285		US-PATENT-4,349,424
		US-PATENT-CLASS-528-322		US-PATENT-4,448,408	N84-28568* #	US-PATENT-4,417,175
		US-PATENT-CLASS-528-342	N84-28084* #	NASA-CASE-LAR-12644-1		NASA-CASE-MFS-25828-1
		US-PATENT-4,455,418		US-PATENT-APPL-SN-387728		US-PATENT-APPL-SN-493866
N84-27886* #	c 27	NASA-CASE-LAR-12862-1		US-PATENT-CLASS-74-753		US-PATENT-CLASS-137-838
		US-PATENT-APPL-SN-435511		US-PATENT-CLASS-74-758		US-PATENT-CLASS-366-106
		US-PATENT-CLASS-220-306		US-PATENT-CLASS-74-812		US-PATENT-CLASS-425-6
		US-PATENT-CLASS-244-117A		US-PATENT-4,446,757		US-PATENT-CLASS-65-142
		US-PATENT-CLASS-244-158A	N84-28085* #	NASA-CASE-LAR-12786-1		US-PATENT-CLASS-65-160

		US-PATENT-CLASS-65-21.3			US-PATENT-APPL-SN-649329		US-PATENT-CLASS-340-905
		US-PATENT-CLASS-65-21.4			NAS 1 71 LEW-13524-1		US-PATENT-CLASS-340-988
N84-28575* #	c 72	US-PATENT-4.447,251	N84-33410* #	c 07	NASA-CASE-LEW-13524-1	N84-33807* #	US-PATENT-4.472,716
		NASA-CASE-MFS-25641-1			US-PATENT-APPL-SN-238257		NAS 1 71 MFS-25862-2
		US-PATENT-APPL-SN-342857			US-PATENT-CLASS-415-115		NASA-CASE-MFS-25862-2
		US-PATENT-CLASS-250-305			US-PATENT-CLASS-60-39-29		US-PATENT-APPL-SN-460509
		US-PATENT-CLASS-324-457			US-PATENT-CLASS-60-39-83		US-PATENT-CLASS-73-12
		US-PATENT-CLASS-324-71.3			US-PATENT-4.416,111		US-PATENT-CLASS-73-588
		US-PATENT-CLASS-324-72.5	N84-33450* #	c 18	NAS 1 71 LAR-12884	N84-33808* #	US-PATENT-4.470,293
		US-PATENT-4.455,532			NASA-CASE-LAR-12884-1		NAS 1 71 LEW-12995-1
N84-28590* #	c 74	NASA-CASE-NPO-15805-1			US-PATENT-APPL-SN-510136		NASA-CASE-LEW-12995-1
		US-PATENT-APPL-SN-296137			US-PATENT-CLASS-428-182		US-PATENT-APPL-SN-157150
		US-PATENT-CLASS-250-332			US-PATENT-CLASS-428-184		US-PATENT-CLASS-60-303
		US-PATENT-CLASS-250-338			US-PATENT-CLASS-428-595		US-PATENT-CLASS-60-606
		US-PATENT-4.443,701			US-PATENT-CLASS-52-814		US-PATENT-4.449,370
N84-28732* #	c 02	NASA-CASE-LAR-12396-1			US-PATENT-4.472,473	N84-34443* #	c 06
		US-PATENT-APPL-SN-017889			NAS 1 71 LEW-13639-1		NASA-CASE-NPO-15351-2
		US-PATENT-CLASS-244-35R	N84-33555* #	c 26	NASA-CASE-LEW-13639-1		US-PATENT-APPL-SN-224231
		US-PATENT-CLASS-416-223R			US-PATENT-APPL-SN-403378		US-PATENT-APPL-SN-412039
		US-PATENT-CLASS-416-242			US-PATENT-CLASS-416-241R		US-PATENT-CLASS-73-178-R
		US-PATENT-4.459,083			US-PATENT-CLASS-428-564		US-PATENT-4.346,595
N84-28987* #	c 27	NASA-CASE-LAR-13316-1			US-PATENT-CLASS-428-639	N84-34448* #	c 09
		US-PATENT-APPL-SN-613139			US-PATENT-CLASS-428-678		NASA-CASE-LAR-12950-1
N84-28988* #	c 27	NASA-CASE-LAR-13118-1			US-PATENT-4.446,199		US-PATENT-APPL-SN-481106
		US-PATENT-APPL-SN-613138	N84-33589* #	c 27	NAS 1 71 NPO-15753-1		US-PATENT-CLASS-73-147
		NASA-CASE-KSC-11304-1			NASA-CASE-NPO-15753-1	N84-34571* #	c 24
N84-29017* #	c 28	US-PATENT-APPL-SN-603373			US-PATENT-APPL-SN-342871		NAS 1 71 LAR-13230-1
		NASA-CASE-LEW-13822-1			US-PATENT-CLASS-219-203		NASA-CASE-LAR-13230-1
N84-29084* #	c 33	US-PATENT-APPL-SN-625077			US-PATENT-CLASS-219-219		US-PATENT-APPL-SN-548584
		NASA-CASE-GSC-12899-1			US-PATENT-CLASS-219-522		US-PATENT-CLASS-523-454
N84-29085* #	c 33	US-PATENT-APPL-SN-613140			US-PATENT-CLASS-219-541		US-PATENT-CLASS-523-458
		NAS 1 71 LAR-12518-1			US-PATENT-CLASS-219-543		US-PATENT-CLASS-525-484
N84-32383* #	c 06	NASA-CASE-LAR-12518-1			US-PATENT-CLASS-338-309		US-PATENT-CLASS-528-407
		US-PATENT-APPL-SN-578388			US-PATENT-CLASS-428-432		US-PATENT-CLASS-528-92
N84-32398* #	c 09	NAS 1 71 MFS-25962-1			US-PATENT-4.459,470	N84-34616* #	c 27
		NASA-CASE-MFS-25962-1			NAS 1 71 MFS-25302-2		NAS 1 71 LAR-13135-1
		US-PATENT-APPL-SN-633180	N84-33660* #	c 33	NASA-CASE-MFS-25302-2		NASA-CASE-LAR-13135-1
		NAS 1 71 MSC-20635-1			US-PATENT-APPL-SN-243683	N84-34651* #	c 32
N84-32424* #	c 18	NASA-CASE-MSC-20635-1			US-PATENT-APPL-SN-481086		NAS 1 71 NPO-15519-1
		US-PATENT-APPL-SN-588039			US-PATENT-CLASS-307-87		NASA-CASE-NPO-15519-1
N84-32425* #	c 20	NAS 1 71 LEW-14037-1			US-PATENT-CLASS-322-25		US-PATENT-APPL-SN-314928
		NASA-CASE-LEW-14037-1			US-PATENT-CLASS-322-29		US-PATENT-CLASS-343-5-CM
		US-PATENT-APPL-SN-636463			US-PATENT-CLASS-322-47		US-PATENT-CLASS-343-5-DP
N84-32447* #	c 25	NAS 1 71 LAR-13257-1			US-PATENT-CLASS-322-95		US-PATENT-CLASS-343-5-FT
		NASA-CASE-LAR-13257-1			US-PATENT-4.388,585	N84-34705* #	c 35
		US-PATENT-APPL-SN-633178			US-PATENT-4.473,792		NAS 1 71 NPO-15558-1
N84-32532* #	c 27	NAS 1 71 LAR-13270-1	N84-33661* #	c 33	NAS 1 71 MFS-25852-1		NASA-CASE-NPO-15558-1
		NASA-CASE-LAR-13270-1			NASA-CASE-MFS-25852-1		US-PATENT-APPL-SN-373770
		US-PATENT-APPL-SN-569536			US-PATENT-APPL-SN-450319		US-PATENT-CLASS-250-343
N84-32620* #	c 32	NAS 1 71 NPO-16256-1			US-PATENT-CLASS-318-729		US-PATENT-CLASS-250-351
		NASA-CASE-NPO-16256-1			US-PATENT-CLASS-318-802		US-PATENT-CLASS-356-434
		US-PATENT-APPL-SN-638586			US-PATENT-4.469,998		US-PATENT-CLASS-356-51
N84-32680* #	c 33	NAS 1 71 MFS-25868-1	N84-33663* #	c 33	NAS 1 71 LEW-13495-1	N84-34792* #	c 44
		NASA-CASE-MFS-25868-1			NASA-CASE-LEW-13495-1		NAS 1 71 NPO-15808-1
		US-PATENT-APPL-SN-638584			US-PATENT-APPL-SN-368188		NASA-CASE-NPO-15808-1
N84-32748* #	c 34	NAS 1 71 MSC-20812-1			US-PATENT-CLASS-323-901		US-PATENT-APPL-SN-383068
		NASA-CASE-MSC-20812-1			US-PATENT-CLASS-363-22		US-PATENT-CLASS-126-415
		US-PATENT-APPL-SN-616002			US-PATENT-CLASS-363-49		US-PATENT-CLASS-4-498
N84-32782* #	c 35	NAS 1 71 LEW-13773-2			US-PATENT-4.464,710	N84-34913* #	c 52
		NASA-CASE-LEW-13773-2			NAS 1 71 GSC-12682-1		NASA-CASE-GSC-12652-1
		US-PATENT-APPL-SN-638541	N84-33765* #	c 35	NASA-CASE-GSC-12682-1		US-PATENT-APPL-SN-377891
N84-32909* #	c 44	NAS 1 71 LEW-14028-1			US-PATENT-APPL-SN-350477		US-PATENT-CLASS-128-24-A
		NASA-CASE-LEW-14028-1			US-PATENT-CLASS-250-367		US-PATENT-CLASS-128-328
		US-PATENT-APPL-SN-642310			US-PATENT-CLASS-250-385	N84-35112* #	c 76
N84-32912* #	c 44	NAS 1 71 NPO-16392-1			US-PATENT-CLASS-250-483.1		US-PATENT-4.474,180
		NASA-CASE-NPO-16392-1			US-PATENT-CLASS-357-29		NASA-CASE-NPO-15786-1
		US-PATENT-APPL-SN-633363			US-PATENT-CLASS-357-30		US-PATENT-APPL-SN-366103
N84-32913* #	c 44	NAS 1 71 MFS-25978-1			US-PATENT-4.472,728		US-PATENT-CLASS-204-1T
		NASA-CASE-MFS-25978-1			NAS 1 71 NPO-13556-1		US-PATENT-CLASS-204-37.6
		US-PATENT-APPL-SN-636459	N84-33766* #	c 35	NASA-CASE-NPO-13556-1		US-PATENT-CLASS-204-56R
		NAS 1 71 ARC-11534-1			US-PATENT-APPL-SN-561369		US-PATENT-CLASS-324-158D
N84-33021* #	c 54	NASA-CASE-ARC-11534-1			US-PATENT-CLASS-250-339	N84-35113* #	c 76
		US-PATENT-APPL-SN-642602			US-PATENT-CLASS-356-188		NASA-CASE-NPO-15629-1
N84-33179* #	c 74	NAS 1 71 NPO-16294-1			US-PATENT-CLASS-356-189		US-PATENT-APPL-SN-371351
		NASA-CASE-NPO-16294-1			US-PATENT-CLASS-356-73		US-PATENT-CLASS-156-DIG 64
		US-PATENT-APPL-SN-638585			US-PATENT-CLASS-356-74		US-PATENT-CLASS-156-DIG 88
N84-33211* #	c 76	NAS 1 71 NPO-16045-1			US-PATENT-4.043,668		US-PATENT-CLASS-156-DIG 98
		NASA-CASE-NPO-16045-1			NAS 1 71 NPO-15644-1		US-PATENT-CLASS-156-608
		US-PATENT-APPL-SN-641146	N84-33767* #	c 35	NASA-CASE-NPO-15644-1		US-PATENT-CLASS-156-617-SP
		NAS 1 71 ARC-11423-1			US-PATENT-APPL-SN-358088		US-PATENT-CLASS-156-617-V
N84-33394* #	c 03	NASA-CASE-ARC-11423-1			US-PATENT-CLASS-250-251		US-PATENT-CLASS-422-246
		US-PATENT-APPL-SN-452466			US-PATENT-CLASS-250-252.1	N85-11122* #	c 15
		US-PATENT-CLASS-297-DIG 5			US-PATENT-CLASS-250-372		NASA-CASE-MFS-25966-1
		US-PATENT-CLASS-428-246			US-PATENT-4.469,942		NASA-CASE-MFS-25966-1
		US-PATENT-CLASS-428-280	N84-33768* #	c 35	NAS 1 71 MFS-25717-1	N85-19980* #	c 05
		US-PATENT-CLASS-428-287			NASA-CASE-MFS-25717-1		US-PATENT-APPL-SN-643522
		US-PATENT-CLASS-428-304.4			US-PATENT-APPL-SN-441897		NAS 1 71 LAR-13134-1
		US-PATENT-CLASS-428-319.1			US-PATENT-CLASS-175-45		NASA-CASE-LAR-13134-1
		US-PATENT-CLASS-428-423.5			US-PATENT-CLASS-299-1	N85-19981* #	c 05
		US-PATENT-CLASS-428-71			US-PATENT-4.466,667		NAS 1 71 LAR-13173-1
		US-PATENT-CLASS-428-76	N84-33769* #	c 35	NAS 1 71 NPO-15341-1		US-PATENT-APPL-SN-690274
		US-PATENT-CLASS-428-921			NASA-CASE-NPO-15341-1	N85-19985* #	c 08
		US-PATENT-CLASS-5-459			US-PATENT-APPL-SN-315583		NAS 1 71 LAR-12787-2
		US-PATENT-4.463,465			US-PATENT-CLASS-180-168		NASA-CASE-LAR-12787-2
N84-33400* #	c 05	NAS 1 71 LAR-13233-1			US-PATENT-CLASS-318-587		US-PATENT-APPL-SN-301078
		NASA-CASE-LAR-13233-1					US-PATENT-APPL-SN-5226628
							US-PATENT-CLASS-244-214

		US-PATENT-CLASS-244-90R			US-PATENT-APPL-SN-649327			US-PATENT-4,493,211
		US-PATENT-4,485,992	N85-20250* #	c 33	NAS 1 71 NPO-16299-1	N85-21256* #	c 20	NAS 1 71 LEW-13881-1
N85-19990* #	c 09	NAS 1 71 KSC-11218-1			NASA-CASE-NPO-16299-1			NASA-CASE-LEW-13881-1
		NASA-CASE-KSC-11218-1			US-PATENT-APPL-SN-541526			US-PATENT-APPL-SN-473498
		US-PATENT-APPL-SN-387649	N85-20251* #	c 33	NAS 1 71 NPO-163371-1			US-PATENT-CLASS-60-202
		US-PATENT-CLASS-434-242			NASA-CASE-NPO-163371-1			US-PATENT-4,466,242
		US-PATENT-CLASS-434-243			US-PATENT-APPL-SN-683111	N85-21266* #	c 24	NAS 1 71 LEW-13324-2
		US-PATENT-CLASS-434-35	N85-20294* #	c 35	NAS 1 71 GSC-12789-1			NASA-CASE-LEW-13324-2
		US-PATENT-CLASS-434-49			NASA-CASE-GSC-12789-1			US-PATENT-APPL-SN-375784
		US-PATENT-4,490,117			US-PATENT-APPL-SN-409680			US-PATENT-APPL-SN-523297
N85-20008* #	c 20	NAS 1 71 MFG-25989-1			US-PATENT-CLASS-177-147			US-PATENT-CLASS-428-633
		NASA-CASE-MFG-25989-1			US-PATENT-CLASS-177-260			US-PATENT-CLASS-428-656
		US-PATENT-APPL-SN-690273			US-PATENT-CLASS-73-862 54			US-PATENT-CLASS-428-678
N85-20123* #	c 27	NAS 1 71 LAR-12723-1	N85-20295* #	c 35	US-PATENT-4,479,560			US-PATENT-CLASS-428-679
		NASA-CASE-LAR-12723-1			NAS 1.71 LAR-13065-1			US-PATENT-CLASS-428-680
		US-PATENT-APPL-SN-199768			NASA-CASE-LAR-13065-1			US-PATENT-CLASS-428-681
		US-PATENT-CLASS-525-420			US-PATENT-APPL-SN-484745			US-PATENT-CLASS-428-682
		US-PATENT-CLASS-528-183			US-PATENT-CLASS-73-187			US-PATENT-CLASS-428-683
		US-PATENT-CLASS-528-192			US-PATENT-4,485,671			US-PATENT-CLASS-428-684
		US-PATENT-CLASS-528-220	N85-20297* #	c 35	NAS 1 71 LAR-13342-1			US-PATENT-4,485,151
		US-PATENT-CLASS-528-336			NASA-CASE-LAR-13342-1	N85-21267* #	c 24	NAS 1 71 LEW-13837-2
		US-PATENT-CLASS-528-345			US-PATENT-APPL-SN-684186			NASA-CASE-LEW-13837-2
N85-20124* #	c 27	US-PATENT-4,395,540	N85-20298* #	c 35	NAS 1 71 MFS-25825-1			US-PATENT-APPL-SN-495381
		NAS 1 71 LAR-12858-2			NASA-CASE-MFS-25825-1			US-PATENT-APPL-SN-591089
		NASA-CASE-LAR-12858-2			US-PATENT-APPL-SN-657309			US-PATENT-CLASS-204-192C
		US-PATENT-APPL-SN-407240	N85-20299* #	c 35	NAS 1 71 MFS-25981-1			US-PATENT-CLASS-204-192N
		US-PATENT-APPL-SN-492282			NASA-CASE-MFS-25981-1			US-PATENT-CLASS-204-192R
		US-PATENT-CLASS-264-DIG 65			US-PATENT-APPL-SN-657310			US-PATENT-CLASS-204-192S
		US-PATENT-CLASS-264-112	N85-20300* #	c 35	NAS 1 71 MFS-28008-1			US-PATENT-CLASS-423-445
		US-PATENT-CLASS-264-120			NASA-CASE-MFS-28008-1			US-PATENT-CLASS-423-446
		US-PATENT-CLASS-264-137			US-PATENT-APPL-SN-684194			US-PATENT-CLASS-423-449
		US-PATENT-CLASS-264-152	N85-20301* #	c 35	NAS 1 71 MSC-20653-1			US-PATENT-CLASS-427-39
		US-PATENT-CLASS-264-258			NASA-CASE-MSC-20653-1			US-PATENT-4,437,962
		US-PATENT-CLASS-264-331 12			US-PATENT-APPL-SN-659474	N85-21279* #	c 25	US-PATENT-4,495,044
		US-PATENT-CLASS-264-331 19	N85-20320* #	c 36	NAS 1 71 ARC-11547-1			NAS 1 71 GSC-12808-1
		US-PATENT-CLASS-528-226			NASA-CASE-ARC-11547-1			NASA-CASE-GSC-12808-1
		US-PATENT-CLASS-528-239			US-PATENT-APPL-SN-692745			US-PATENT-APPL-SN-462497
		US-PATENT-CLASS-528-241	N85-20337* #	c 37	NAS 1 71 GSC-12582-2			US-PATENT-CLASS-376-159
		US-PATENT-CLASS-528-258			NASA-CASE-GSC-12582-2	N85-21280* #	c 25	US-PATENT-4,483,817
		US-PATENT-CLASS-528-279			US-PATENT-APPL-SN-220213			NAS 1 71 MFS-25721-1
		US-PATENT-4,398,021			US-PATENT-APPL-SN-415960			NASA-CASE-ARC-11368-2
		US-PATENT-4,489,027			US-PATENT-CLASS-104-281			US-PATENT-APPL-SN-492964
N85-20125* #	c 27	NAS 1 71 LAR-12894-1			US-PATENT-CLASS-104-284			US-PATENT-CLASS-556-410
		NASA-CASE-LAR-12894-1			US-PATENT-CLASS-308-10	N85-21324* #	c 26	US-PATENT-4,474,975
		US-PATENT-APPL-SN-516087			US-PATENT-4,473,259			NAS 1 71 LEW-14104-1
		US-PATENT-CLASS-156-273 7	N85-20338* #	c 37	NAS 1 71 MSC-20112-1			NASA-CASE-LEW-14104-1
		US-PATENT-CLASS-24-304			NASA-CASE-MSC-20112-1	N85-21325* #	c 26	US-PATENT-APPL-SN-661481
		US-PATENT-CLASS-24-447			US-PATENT-APPL-SN-392104			NAS 1 71 NPO-16413-1
		US-PATENT-CLASS-24-450			US-PATENT-CLASS-251-265			NASA-CASE-NPO-16413-1
		US-PATENT-CLASS-24-693			US-PATENT-CLASS-251-267	N85-21347* #	c 27	US-PATENT-APPL-SN-648185
		US-PATENT-4,488,335			US-PATENT-CLASS-251-284			NAS 1 71 ARC-11368-2
N85-20126* #	c 27	NAS 1 71 MFS-25862-1			US-PATENT-CLASS-251-297			NASA-CASE-ARC-11368-2
		NASA-CASE-MFS-25862-1			US-PATENT-CLASS-74-424 8B			US-PATENT-APPL-SN-175452
		US-PATENT-APPL-SN-465366			US-PATENT-CLASS-104-281			US-PATENT-APPL-SN-288267
		US-PATENT-CLASS-73-579			US-PATENT-CLASS-104-284			US-PATENT-APPL-SN-502820
		US-PATENT-CLASS-73-582			US-PATENT-CLASS-308-10			US-PATENT-CLASS-526-262
		US-PATENT-CLASS-73-588	N85-20377* #	c 37	US-PATENT-4,473,259	N85-21324* #	c 26	US-PATENT-CLASS-526-274
		US-PATENT-4,479,386			NAS 1 71 LEW-14170-1			US-PATENT-CLASS-526-274
N85-20128* #	c 27	NAS 1 71 LAR-13353-1			NASA-CASE-LEW-14170-1			US-PATENT-CLASS-528-167
		NASA-CASE-LAR-13353-1	N85-20378* #	c 37	US-PATENT-APPL-SN-672224			US-PATENT-CLASS-528-168
		US-PATENT-APPL-SN-643524			NAS 1 71 MFS-25964-1			US-PATENT-CLASS-528-170
		NAS 1 71 LEW-14072-1	N85-20530* #	c 44	NASA-CASE-MFS-25964-1			US-PATENT-CLASS-528-321
		NASA-CASE-LEW-14072-1			US-PATENT-APPL-SN-692801			US-PATENT-CLASS-528-322
		US-PATENT-APPL-SN-649330			NAS 1 71 LEW-13414-1			US-PATENT-4,276,344
N85-20153* #	c 31	NAS 1 71 LEW-14080-1			NASA-CASE-LEW-13414-1			US-PATENT-4,395,557
		NASA-CASE-LEW-14080-1			US-PATENT-APPL-SN-465364			US-PATENT-4,496,701
		US-PATENT-APPL-SN-628866			US-PATENT-CLASS-136-256	N85-21348* #	c 27	NASA-CASE-ARC-11413-1
		US-PATENT-CLASS-204-192C	N85-20535* #	c 44	US-PATENT-CLASS-427-85			US-PATENT-APPL-SN-440656
		US-PATENT-CLASS-204-192R			US-PATENT-4,478,879			US-PATENT-CLASS-528-125
		US-PATENT-CLASS-204-192SP			NAS 1 71 LEW-14177-1			US-PATENT-CLASS-528-126
		US-PATENT-CLASS-423-DIG 10	N85-20639* #	c 52	NASA-CASE-LEW-14177-1			US-PATENT-CLASS-528-128
		US-PATENT-CLASS-423-414			US-PATENT-APPL-SN-669140			US-PATENT-CLASS-528-166
		US-PATENT-CLASS-423-445			NASA 1 71 MFS-26011-1SB			US-PATENT-CLASS-528-185
		US-PATENT-CLASS-423-446	N85-20666* #	c 54	NASA-CASE-MFS-26011-1SB			US-PATENT-CLASS-528-186
		US-PATENT-CLASS-423-449			US-PATENT-APPL-SN-655605			US-PATENT-CLASS-528-187
		US-PATENT-4,490,229			NAS 1 71 ARC-11610-1			US-PATENT-CLASS-528-226
N85-20154* #	c 31	NAS 1 71 LAR-13254-1	N85-20680* #	c 60	NASA-CASE-ARC-11610-1			US-PATENT-CLASS-528-229
		NASA-CASE-LAR-13254-1			US-PATENT-APPL-SN-684190			US-PATENT-CLASS-528-352
		US-PATENT-APPL-SN-668432			NAS 1 71 NPO-15982-1			US-PATENT-CLASS-528-353
N85-20155* #	c 31	NAS 1 71 LEW-13837-3	N85-20868* #	c 74	NASA-CASE-NPO-15982-1	N85-21349* #	c 27	US-PATENT-4,499,260
		NASA-CASE-LEW-13837-3			US-PATENT-APPL-SN-673685			NAS 1 71 LAR-12775-2
		US-PATENT-APPL-SN-668433			NAS 1 71 GSC-12825-1			NASA-CASE-LAR-12775-2
N85-20156* #	c 31	NAS 1 71 LEW-14130-1	N85-20906* #	c 76	NASA-CASE-GSC-12825-1			US-PATENT-APPL-SN-308201
		NASA-CASE-LEW-14130-1			US-PATENT-APPL-SN-698641			US-PATENT-APPL-SN-461788
		US-PATENT-APPL-SN-659475			NAS 1 71 NPO-16394-1			US-PATENT-CLASS-525-181
N85-20226* #	c 32	NAS 1 71 GSC-12892-1			NASA-CASE-NPO-16394-1			US-PATENT-CLASS-525-182
		NASA-CASE-GSC-12892-1	N85-21147* #	c 05	US-PATENT-APPL-SN-690284			US-PATENT-CLASS-525-183
		US-PATENT-APPL-SN-655606			NAS 1 71 LAR-12979-1			US-PATENT-CLASS-525-184
		NAS 1 71 LAR-13151-1			NASA-CASE-LAR-12979-1			US-PATENT-CLASS-525-474
N85-20247* #	c 33	NASA-CASE-LAR-13151-1			US-PATENT-APPL-SN-508371			US-PATENT-4,389,504
		US-PATENT-APPL-SN-683101			US-PATENT-CLASS-244-139			US-PATENT-4,497,935
N85-20248* #	c 33	NAS 1 71 LEW-13935-1			US-PATENT-CLASS-244-147	N85-21350* #	c 27	NAS 1 71 LEW-13770-3
		NASA-CASE-LEW-13935-1	N85-21178* #	c 09	US-PATENT-CLASS-244-75R			NASA-CASE-LEW-13770-3
		US-PATENT-APPL-SN-700255			US-PATENT-4,496,122			US-PATENT-APPL-SN-516217
N85-20249* #	c 33	NAS 1 71 MSC-20187-1			NAS 1 71 LAR-13014-1			US-PATENT-APPL-SN-561431
		NASA-CASE-MSC-20187-1			NASA-CASE-LAR-13014-1			US-PATENT-CLASS-526-217
					US-PATENT-APPL-SN-527918			US-PATENT-CLASS-526-262
					US-PATENT-CLASS-73-147			US-PATENT-CLASS-528-229

	US-PATENT-CLASS-528-315		US-PATENT-4,488,663		US-PATENT-CLASS-343-5W
	US-PATENT-CLASS-528-322	N85-21596* # c 35	NAS 1 71 NPO-15759-1	N85-21986* # c 54	US-PATENT-4,463,357
	US-PATENT-CLASS-528-336		NASA-CASE-NPO-15759-1		NAS 1 71 ARC-11543-1
	US-PATENT-CLASS-528-342		US-PATENT-APPL-SN-367136		NASA-CASE-ARC-11543-1
N85-21351* # c 27	US-PATENT-4,497,948		US-PATENT-CLASS-324-427	N85-21987* # c 54	US-PATENT-APPL-SN-684192
	NAS 1 71 LEW-13770-4		US-PATENT-CLASS-429-58		NAS 1 71 ARC-11616-1
	NASA-CASE-LEW-13770-4	N85-21597* # c 35	US-PATENT-4,499,424		NASA-CASE-ARC-11616-1
	US-PATENT-APPL-SN-516217		NAS 1 71 NPO-16027-1	N85-21992* # c 60	US-PATENT-APPL-SN-684193
	US-PATENT-APPL-SN-561429		NASA-CASE-NPO-16027-1		NAS 1 71 NPO-15295-1
	US-PATENT-CLASS-526-262		US-PATENT-APPL-SN-500044		NASA-CASE-NPO-15295-1
	US-PATENT-CLASS-528-229		US-PATENT-CLASS-73-40 5A		US-PATENT-APPL-SN-291645
	US-PATENT-CLASS-528-322		US-PATENT-CLASS-73-753		US-PATENT-CLASS-364-200
	US-PATENT-CLASS-528-342	N85-21598* # c 35	US-PATENT-4,498,333	N85-22104* # c 71	US-PATENT-4,481,570
	US-PATENT-4,497,939		NAS 1 71 WLP-10055-2		NAS 1 71 NPO-15466-1
N85-21352* # c 27	NAS 1 71 LEW-13770-5		NASA-CASE-WLP-10055-2		NASA-CASE-NPO-15466-1
	NASA-CASE-LEW-13770-5		US-PATENT-APPL-SN-352827		US-PATENT-APPL-SN-361217
	US-PATENT-APPL-SN-516217		US-PATENT-APPL-SN-526770		US-PATENT-CLASS-23-313R
	US-PATENT-APPL-SN-561435		US-PATENT-CLASS-29-610SG		US-PATENT-CLASS-55-15
	US-PATENT-CLASS-526-262		US-PATENT-4,425,808		US-PATENT-CLASS-55-277
	US-PATENT-CLASS-528-229	N85-21610* # c 35	US-PATENT-4,498,231	N85-22105* # c 71	US-PATENT-4,475,921
	US-PATENT-CLASS-528-322		NAS 1 71 LAR-13294-1		NAS 1 71 NPO-16022-1
	US-PATENT-CLASS-528-342		NASA-CASE-LAR-13294-1		NASA-CASE-NPO-16022-1
	US-PATENT-4,497,940	N85-21631* # c 36	US-PATENT-APPL-SN-706681		US-PATENT-APPL-SN-526750
N85-21360* # c 27	NAS 1 71 LAR-13351-1		NAS 1 71 NPO-15790-1		US-PATENT-CLASS-73-505
	NASA-CASE-LAR-13351-1		NASA-CASE-NPO-15790-1	N85-22139* # c 74	US-PATENT-4,463,606
	US-PATENT-APPL-SN-643589		US-PATENT-APPL-SN-423016		NAS 1 71 NPO-15155-1
N85-21362* # c 27	NAS 1 71 ARC-11512-2		US-PATENT-CLASS-250-339		NASA-CASE-NPO-15155-1
	NASA-CASE-ARC-11512-2		US-PATENT-CLASS-250-343		US-PATENT-APPL-SN-242797
	US-PATENT-APPL-SN-641153		US-PATENT-4,489,239		US-PATENT-CLASS-250-221
N85-21364* # c 27	NAS 1 71 ARC-11533-1	N85-21639* # c 36	NAS 1 71 GSC-12558-1		US-PATENT-CLASS-340-555
	NASA-CASE-ARC-11533-1		NASA-CASE-GSC-12558-1		US-PATENT-4,479,053
	US-PATENT-APPL-SN-641147		US-PATENT-APPL-SN-383086	N85-22178* # c 76	NAS 1 71 NPO-15800-2
N85-21404* # c 31	NAS 1 71 GSC-12799-1		US-PATENT-CLASS-356-43		NASA-CASE-NPO-15800-2
	NASA-CASE-GSC-12799-1		US-PATENT-CLASS-356-45		US-PATENT-APPL-SN-674395
	US-PATENT-APPL-SN-461724		US-PATENT-CLASS-374-137	N85-22877* # c 33	NAS 1 71 MFS-25861-1
	US-PATENT-CLASS-31-35		US-PATENT-CLASS-73-705		NASA-CASE-MFS-25861-1
	US-PATENT-CLASS-310-22		US-PATENT-4,493,553		US-PATENT-APPL-SN-504345
	US-PATENT-CLASS-417-417	N85-21649* # c 37	NAS 1 71 MSC-20319-1		US-PATENT-CLASS-318-729
	US-PATENT-CLASS-417-488		NASA-CASE-MS-20319-1		US-PATENT-CLASS-318-812
	US-PATENT-CLASS-62-6		US-PATENT-APPL-SN-393582		US-PATENT-4,489,264
	US-PATENT-CLASS-92-98R		US-PATENT-CLASS-292-252	N85-23396* # c 74	NAS 1 71 NPO-15801-1
	US-PATENT-4,500,265		US-PATENT-CLASS-403-317		NASA-CASE-NPO-15801-1
N85-21407* # c 31	NAS 1 71 NPO-16336-1-CU		US-PATENT-CLASS-81-177G		US-PATENT-APPL-SN-478130
	NASA-CASE-NPO-16336-1-CU		US-PATENT-4,483,639		US-PATENT-CLASS-350-168
	US-PATENT-APPL-SN-676163	N85-21650* # c 37	NAS 1 71 NPO-15483-3		US-PATENT-CLASS-350-505
N85-21427* # c 32	NAS 1 71 MSC-18578-1		NASA-CASE-NPO-15483-3		US-PATENT-CLASS-350-619
	NASA-CASE-MS-18578-1		US-PATENT-APPL-SN-387648		US-PATENT-CLASS-356-323
	US-PATENT-APPL-SN-367132		US-PATENT-CLASS-125-13R		US-PATENT-CLASS-356-330
	US-PATENT-CLASS-358-161		US-PATENT-CLASS-125-151		US-PATENT-CLASS-356-331
	US-PATENT-CLASS-358-174		US-PATENT-CLASS-51-73R		US-PATENT-4,497,540
	US-PATENT-CLASS-358-217		US-PATENT-CLASS-82-90	N85-25436* # c 24	NAS 1 15 76884
	US-PATENT-CLASS-358-219		US-PATENT-CLASS-83-664		NASA-TM-76884
	US-PATENT-4,495,520		US-PATENT-CLASS-83-676	N85-28922* # c 02	NAS 1 71 LAR-13286-1
N85-21428* # c 32	NAS 1 71 NPO-15433-1		US-PATENT-4,475,527		NASA-CASE-LAR-13286-1
	NASA-CASE-NPO-15433-1	N85-21651* # c 37	NAS 1 71 LAR-12868-1		US-PATENT-APPL-SN-686959
	US-PATENT-APPL-SN-250585		NASA-CASE-LAR-12868-1	N85-28951* # c 09	NAS 1 71 MFS-28057-1
	US-PATENT-CLASS-364-200		US-PATENT-APPL-SN-322321		NASA-CASE-MFS-28057-1
	US-PATENT-4,493,021		US-PATENT-CLASS-374-208		US-PATENT-APPL-SN-729766
N85-21441* # c 32	NAS 1 71 LAR-13310-1		US-PATENT-CLASS-374-210	N85-28973* # c 23	NASA-CASE-LAR-13262-1
	NASA-CASE-LAR-13310-1		US-PATENT-4,491,427		US-PATENT-APPL-SN-608741
	US-PATENT-APPL-SN-709257	N85-21652* # c 37	NAS 1 71 NPO-15851-1		US-PATENT-CLASS-525-532
N85-21491* # c 33	NAS 1 71 NPO-15560-1		NASA-CASE-NPO-15851-1		US-PATENT-CLASS-525-534
	NASA-CASE-NPO-15560-1		US-PATENT-APPL-SN-415879		US-PATENT-CLASS-528-86
	US-PATENT-APPL-SN-275909		US-PATENT-CLASS-134-37		US-PATENT-4,510,296
	US-PATENT-CLASS-250-426		US-PATENT-CLASS-15-406	N85-28975* # c 24	NAS 1 71 LAR-13150-1
	US-PATENT-CLASS-313-131A		US-PATENT-CLASS-422-129		NASA-CASE-LAR-13150-1
	US-PATENT-CLASS-315-111 31		US-PATENT-CLASS-422-199		US-PATENT-APPL-SN-729767
	US-PATENT-CLASS-315-111 81		US-PATENT-4,500,492	N85-28976* # c 24	NAS 1 71 ARC-11615-1-SB
	US-PATENT-4,475,063	N85-21723* # c 43	NAS 1 71 NPO-15651-1		NASA-CASE-ARC-11615-1-SB
N85-21492* # c 33	NAS 1 71 LEW-13833-1		NASA-CASE-NPO-15651-1		US-PATENT-APPL-SN-706682
	NASA-CASE-LEW-13833-1		US-PATENT-APPL-SN-375620	N85-28982* # c 25	NASA-CASE-LEW-13770-2
	US-PATENT-APPL-SN-486471		US-PATENT-CLASS-343-352		US-PATENT-APPL-SN-404809
	US-PATENT-CLASS-136-255		US-PATENT-CLASS-374-122		US-PATENT-APPL-SN-516217
	US-PATENT-CLASS-357-12		US-PATENT-4,499,470		US-PATENT-CLASS-526-262
	US-PATENT-CLASS-357-30	N85-21768* # c 44	NAS 1 71 LEW-13827-1		US-PATENT-CLASS-528-322
	US-PATENT-4,482,779		NASA-CASE-LEW-13827-1		US-PATENT-CLASS-528-342
N85-21493* # c 33	NAS 1 71 NPO-15920-1		US-PATENT-APPL-SN-486470		US-PATENT-4,455,418
	NASA-CASE-NPO-15920-1		US-PATENT-CLASS-136-225		US-PATENT-4,514,557
	US-PATENT-APPL-SN-403848		US-PATENT-CLASS-136-246	N85-29005* # c 26	NASA-CASE-NPO-15928-1
	US-PATENT-CLASS-343-17 7		US-PATENT-CLASS-357-30		US-PATENT-APPL-SN-537616
	US-PATENT-CLASS-343-376		US-PATENT-4,482,778		US-PATENT-CLASS-204-192N
	US-PATENT-4,488,155	N85-21769* # c 44	NAS 1 71 MFS-25637-1		US-PATENT-CLASS-427-38
N85-21568* # c 34	NAS 1 71 LAR-12588-1		NASA-CASE-MFS-25637-1		US-PATENT-CLASS-427-47
	NASA-CASE-LAR-12588-1		US-PATENT-APPL-SN-375684		US-PATENT-4,522,844
	US-PATENT-APPL-SN-234222		US-PATENT-CLASS-290-1R	N85-29043* # c 27	NASA-CASE-NPO-16103-1
	US-PATENT-CLASS-165-104 26		US-PATENT-CLASS-290-4R		US-PATENT-APPL-SN-617871
	US-PATENT-CLASS-73-179		US-PATENT-CLASS-307-64		US-PATENT-CLASS-525-26
	US-PATENT-CLASS-73-708		US-PATENT-CLASS-307-66		US-PATENT-CLASS-525-47
	US-PATENT-4,485,670		US-PATENT-CLASS-318-46		US-PATENT-CLASS-526-328
N85-21595* # c 35	NAS 1 71 MSC-20275-1		US-PATENT-CLASS-318-729		US-PATENT-CLASS-526-329 2
	NASA-CASE-MS-20275-1		US-PATENT-4,489,243		US-PATENT-CLASS-528-288
	US-PATENT-APPL-SN-425205	N85-21846* # c 46	NAS 1 71 NPO-15430-1		US-PATENT-CLASS-528-289
	US-PATENT-CLASS-222-309		NASA-CASE-NPO-15430-1		US-PATENT-CLASS-528-303
	US-PATENT-CLASS-222-340		US-PATENT-APPL-SN-322317		US-PATENT-CLASS-528-304
	US-PATENT-CLASS-222-43		US-PATENT-CLASS-343-352		US-PATENT-4,523,008
	US-PATENT-CLASS-222-48		US-PATENT-CLASS-343-460	N85-29044* # c 27	NASA-CASE-GSC-12883-1

		US-PATENT-APPL-SN-604337			US-PATENT-APPL-SN-507626			US-PATENT-CLASS-219-285
		US-PATENT-CLASS-523-135			US-PATENT-CLASS-165-104 14			US-PATENT-CLASS-414-217
		US-PATENT-CLASS-524-388			US-PATENT-CLASS-165-32			US-PATENT-CLASS-73-863 11
		US-PATENT-CLASS-524-567			US-PATENT-CLASS-310-306			US-PATENT-CLASS-73-864 81
		US-PATENT-4,518,722			US-PATENT-4,506,183			US-PATENT-4,516,435
N85-29082* #	c 31	NASA-CASE-NPO-16257-1	N85-29180* #	c 34	NASA-CASE-MS-C-20497-1	N85-29287* #	c 37	NAS 1 71 LAR-13198-1
		US-PATENT-APPL-SN-588164			US-PATENT-APPL-SN-615505			NASA-CASE-LAR-13198-1
		US-PATENT-CLASS-62-3			US-PATENT-CLASS-122-366			US-PATENT-APPL-SN-729704
		US-PATENT-4,507,928			US-PATENT-CLASS-165-1	N85-29288* #	c 37	NAS 1 71 MFS-28059-1
N85-29083* #	c 31	NASA-CASE-LAR-13181-1			US-PATENT-CLASS-165-104 26			NASA-CASE-MFS-28059-1
		US-PATENT-APPL-SN-507623			US-PATENT-4,515,207			US-PATENT-APPL-SN-709255
		US-PATENT-CLASS-156-272 4	N85-29182* #	c 34	NAS 1 71 NPO-16494-1-CU	N85-29289* #	c 37	NAS 1 71 MFS-28001-1
		US-PATENT-CLASS-156-273 9			NASA-CASE-NPO-16494-1-CU			NASA-CASE-MFS-28001-1
		US-PATENT-CLASS-156-380 2			US-PATENT-APPL-SN-739789			US-PATENT-APPL-SN-739788
		US-PATENT-CLASS-219-10 43	N85-29212* #	c 35	NASA-CASE-NPO-15722-1	N85-29290* #	c 37	NAS 1 71 MSC-20475-1
		US-PATENT-CLASS-219-10 49			US-PATENT-APPL-SN-457992			NASA-CASE-MS-C-20475-1
		US-PATENT-CLASS-219-10 53			US-PATENT-CLASS-204-1T			US-PATENT-APPL-SN-725689
		US-PATENT-CLASS-219-10 77			US-PATENT-CLASS-204-430	N85-29291* #	c 37	NAS 1 71 NPO-16321-1
		US-PATENT-4,521,659			US-PATENT-CLASS-73-336 5			NAS 1 71 NPO-16322-1
N85-29084* #	c 31	NAS 1 71 NPO-16393-1-CU	N85-29213* #	c 35	US-PATENT-4,514,178			NASA-CASE-NPO-16321-1
		NASA-CASE-NPO-16393-1-CU			NASA-CASE-MS-C-18866-1			NASA-CASE-NPO-16322-1
		US-PATENT-APPL-SN-701486			US-PATENT-APPL-SN-350471			US-PATENT-APPL-SN-692802
N85-29117* #	c 32	NASA-CASE-NPO-15432-1			US-PATENT-CLASS-422-103	N85-29693* #	c 71	NASA-CASE-NPO-16147-1-CU
		US-PATENT-APPL-SN-425204			US-PATENT-CLASS-422-86			US-PATENT-APPL-SN-559988
		US-PATENT-CLASS-358-109			US-PATENT-CLASS-422-88			US-PATENT-CLASS-73-505
		US-PATENT-CLASS-358-133			US-PATENT-CLASS-436-2			US-PATENT-4,520,656
		US-PATENT-4,513,317			US-PATENT-CLASS-73-40 7	N85-29701* #	c 72	NAS 1 71 NPO-16061-1-CU
N85-29118* #	c 32	NASA-CASE-NPO-15743-1			US-PATENT-CLASS-73-863 86			NASA-CASE-NPO-16061-1-CU
		US-PATENT-APPL-SN-448881			US-PATENT-CLASS-73-864 52			US-PATENT-APPL-SN-729768
		US-PATENT-CLASS-343-876			US-PATENT-4,515,751	N85-29749* #	c 74	NASA-CASE-NPO-15464-1
		US-PATENT-CLASS-455-73			NASA-CASE-MS-C-25707-1			US-PATENT-APPL-SN-342828
		US-PATENT-4,503,436	N85-29214* #	c 35	US-PATENT-APPL-SN-359627			US-PATENT-CLASS-156-166
N85-29120* #	c 32	NAS 1 71 KSC-11285-1			US-PATENT-CLASS-126-263			US-PATENT-CLASS-350-320
		NASA-CASE-KSC-11285-1			US-PATENT-CLASS-165-48R			US-PATENT-CLASS-350-96 15
		US-PATENT-APPL-SN-655601			US-PATENT-CLASS-165-61			US-PATENT-4,523,810
N85-29121* #	c 32	NAS 1 71 NPO-16414-1-CU			US-PATENT-CLASS-165-64	N85-29750* #	c 74	NASA-CASE-MS-C-18417-1
		NASA-CASE-NPO-16414-1-CU			US-PATENT-CLASS-244-163			US-PATENT-APPL-SN-523559
		US-PATENT-APPL-SN-727719			US-PATENT-4,513,810			US-PATENT-CLASS-350-312
N85-29142* #	c 33	NASA-CASE-NPO-15553-1	N85-29216* #	c 35	NAS 1 71 LAR-13268-1			US-PATENT-CLASS-350-319
		US-PATENT-APPL-SN-437912			NASA-CASE-LAR-13268-1			US-PATENT-CLASS-350-321
		US-PATENT-CLASS-156-DIG 62			US-PATENT-APPL-SN-727034			US-PATENT-CLASS-52-171
		US-PATENT-CLASS-364-400	N85-29217* #	c 35	NAS 1 71 LAR-13094-1			US-PATENT-4,521,077
		US-PATENT-CLASS-364-453			NASA-CASE-LAR-13094-1	N85-29800* #	c 76	NASA-CASE-NPO-15772-1
		US-PATENT-CLASS-74-5 6D			US-PATENT-APPL-SN-711551			US-PATENT-APPL-SN-392944
		US-PATENT-4,521,854	N85-29218* #	c 35	NAS 1 71 LAR-12871-1			US-PATENT-CLASS-156-6230
N85-29143* #	c 33	NASA-CASE-NPO-15890-1-CU			NASA-CASE-LAR-12871-1			US-PATENT-CLASS-23-295R
		US-PATENT-APPL-SN-556513			US-PATENT-APPL-SN-719797			US-PATENT-4,512,846
		US-PATENT-CLASS-331-3	N85-29219* #	c 35	NAS 1 71 NPO-16479-1-CU	N85-29947* #	c 05	NASA-CASE-ARC-11444-1
		US-PATENT-CLASS-331-31			NASA-CASE-NPO-16479-1-CU			US-PATENT-APPL-SN-489675
		US-PATENT-CLASS-331-36C			US-PATENT-APPL-SN-719794			US-PATENT-CLASS-416-145
		US-PATENT-CLASS-331-9A 1	N85-29264* #	c 36	NASA-CASE-NPO-16000-1			US-PATENT-CLASS-416-203
		US-PATENT-CLASS-331-96			US-PATENT-APPL-SN-384547			US-PATENT-CLASS-416-500
		US-PATENT-CLASS-333-231			US-PATENT-CLASS-250-339			US-PATENT-4,514,143
		US-PATENT-4,517,530	N85-29265* #	c 36	US-PATENT-CLASS-364-556	N85-29991* #	c 18	NASA-CASE-MFS-25837-1
N85-29144* #	c 33	NASA-CASE-LEW-13102-1			US-PATENT-4,509,130			US-PATENT-APPL-SN-401282
		US-PATENT-APPL-SN-282298			NAS 1 71 NPO-16402-1			US-PATENT-CLASS-244-118 1
		US-PATENT-CLASS-429-206			NASA-CASE-NPO-16402-1			US-PATENT-CLASS-244-158R
		US-PATENT-CLASS-429-249	N85-29282* #	c 37	US-PATENT-APPL-SN-727931			US-PATENT-CLASS-248-503
		US-PATENT-4,505,998			NASA-CASE-NPO-15037-2			US-PATENT-CLASS-248-555
N85-29145* #	c 33	NASA-CASE-GSC-12788-1			US-PATENT-APPL-SN-161257			US-PATENT-CLASS-403-143
		US-PATENT-APPL-SN-434085			US-PATENT-APPL-SN-431420			US-PATENT-CLASS-403-56
		US-PATENT-CLASS-307-271			US-PATENT-CLASS-415-1			US-PATENT-CLASS-403-76
		US-PATENT-CLASS-307-520			US-PATENT-CLASS-415-68			US-PATENT-CLASS-403-90
		US-PATENT-CLASS-307-521	N85-29283* #	c 37	US-PATENT-4,514,137			US-PATENT-CLASS-410-79
		US-PATENT-CLASS-307-529			NASA-CASE-MS-C-18852-1			US-PATENT-CLASS-410-90
		US-PATENT-CLASS-328-167			US-PATENT-APPL-SN-392094			US-PATENT-4,508,296
		US-PATENT-CLASS-330-302			US-PATENT-CLASS-239-DIG 23	N85-30027* #	c 24	NASA-CASE-LEW-13828-1
		US-PATENT-CLASS-330-306			US-PATENT-CLASS-239-288			US-PATENT-APPL-SN-560035
		US-PATENT-4,521,702			US-PATENT-CLASS-239-322			US-PATENT-CLASS-219-76 14
N85-29146* #	c 33	NASA-CASE-GSC-12817-1			US-PATENT-CLASS-239-327			US-PATENT-CLASS-427-178
		US-PATENT-APPL-SN-506477			US-PATENT-CLASS-239-375			US-PATENT-CLASS-427-37
		US-PATENT-CLASS-336-198			US-PATENT-CLASS-239-590			US-PATENT-CLASS-427-422
		US-PATENT-CLASS-336-84C			US-PATENT-CLASS-55-DIG 42			US-PATENT-4,518,625
		US-PATENT-4,510,476	N85-29284* #	c 37	US-PATENT-4,519,545	N85-30033* #	c 24	NAS 1 71 ARC-11538-1-SB
N85-29147* #	c 33	NASA-CASE-GSC-12818-1			NASA-CASE-MS-C-20148-1			NASA-CASE-ARC-11538-1-SB
		US-PATENT-APPL-SN-511362			US-PATENT-APPL-SN-636465			US-PATENT-APPL-SN-719796
		US-PATENT-CLASS-307-82			US-PATENT-CLASS-251-325			NASA-CASE-LEW-13770-6
		US-PATENT-CLASS-363-100			US-PATENT-CLASS-251-349	N85-30039* #	c 25	US-PATENT-APPL-SN-516217
		US-PATENT-CLASS-363-19			US-PATENT-CLASS-251-353			US-PATENT-APPL-SN-561434
		US-PATENT-CLASS-363-23			US-PATENT-CLASS-277-135			US-PATENT-CLASS-526-204
		US-PATENT-CLASS-363-61			US-PATENT-CLASS-277-80			US-PATENT-CLASS-526-217
		US-PATENT-CLASS-363-71			US-PATENT-4,523,741			US-PATENT-CLASS-526-262
		US-PATENT-CLASS-378-104	N85-29285* #	c 37	NASA-CASE-LAR-13009-1			US-PATENT-CLASS-528-314
		US-PATENT-CLASS-378-112			US-PATENT-APPL-SN-495380			US-PATENT-CLASS-528-322
		US-PATENT-4,517,472			US-PATENT-CLASS-403-28			US-PATENT-4,495,339
N85-29149* #	c 33	NAS 1 71 LEW-14108-1			US-PATENT-CLASS-403-408	N85-30187* #	c 33	NASA-CASE-NPO-16021-1
		NASA-CASE-LEW-14108-1			US-PATENT-CLASS-411-368			US-PATENT-APPL-SN-402205
		US-PATENT-APPL-SN-732321			US-PATENT-CLASS-411-378			US-PATENT-CLASS-324-158R
N85-29150* #	c 33	NAS 1 71 ARC-11613-1			US-PATENT-CLASS-411-426			US-PATENT-CLASS-324-65R
		NASA-CASE-ARC-11613-1			US-PATENT-CLASS-411-501			US-PATENT-4,516,071
		US-PATENT-APPL-SN-739792			US-PATENT-CLASS-411-531	N85-30201* #	c 33	NAS 1 71 GSC-12958-1
		NAS 1 71 NPO-16087-1			US-PATENT-4,512,699			NASA-CASE-GSC-12958-1
N85-29151* #	c 33	NASA-CASE-NPO-16087-1	N85-29286* #	c 37	NASA-CASE-LAR-13040-1			US-PATENT-APPL-SN-727035
		US-PATENT-APPL-SN-725726			US-PATENT-APPL-SN-547176	N85-30202* #	c 33	NAS 1 71 ARC-11536-1
		NASA-CASE-LEW-12950-2			US-PATENT-CLASS-219-201			NASA-CASE-ARC-11536-1
N85-29179* #	c 34	US-PATENT-APPL-SN-202228			US-PATENT-CLASS-219-221			US-PATENT-APPL-SN-725714

N85-35267* # c 26
US-PATENT-4,511,362
NASA-CASE-LEW-13923-1
US-PATENT-APPL-SN-571617
US-PATENT-CLASS-427-191
US-PATENT-CLASS-427-228
US-PATENT-CLASS-427-294
US-PATENT-CLASS-427-376 2
US-PATENT-CLASS-427-380
US-PATENT-CLASS-427-397 7
US-PATENT-CLASS-428-698
US-PATENT-CLASS-428-704
US-PATENT-4,535,035

1. Report No. NASA SP-7039 (28)		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle NASA Patent Abstracts Bibliography: A Continuing Bibliography Section 2: Indexes (Supplement 28)				5. Report Date January 1986	
				6. Performing Organization Code	
7. Author(s)				8. Performing Organization Report No.	
9. Performing Organization Name and Address National Aeronautics and Space Administration Washington, D.C. 20546				10. Work Unit No.	
				11. Contract or Grant No.	
12. Sponsoring Agency Name and Address				13. Type of Report and Period Covered	
				14. Sponsoring Agency Code	
15. Supplementary Notes Section 2: Indexes					
16. Abstract A subject index is provided for over 4800 patents and patent applications for the period May 1969 through December 1985. Additional indexes list personal authors, corporate authors, contract numbers, NASA case numbers, U.S. patent class numbers, U.S. Patent numbers, and NASA accession numbers.					
17. Key Words (Suggested by Author(s)) Bibliographies Patent Policy NASA Programs			18. Distribution Statement Unclassified - Unlimited		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 484	22. Price* \$23.00 HC

FEDERAL DEPOSITORY LIBRARY PROGRAM

The Federal Depository Library Program provides Government publications to designated libraries throughout the United States. The Regional Depository Libraries listed below receive and retain at least one copy of nearly every Federal Government publication, either in printed or microfilm form, for use by the general public. These libraries provide reference services and inter-library loans; however, they are *not* sales outlets. You may wish to ask your local library to contact a Regional Depository to help you locate specific publications, or you may contact the Regional Depository yourself.

ARKANSAS STATE LIBRARY

One Capitol Mall
Little Rock, AR 72201
(501) 371-2326

AUBURN UNIV. AT MONTGOMERY LIBRARY

Documents Department
Montgomery, AL 36193
(205) 279-9110, ext 253

UNIV. OF ALABAMA LIBRARY

Documents Dept—Box S
University, AL 35486
(205) 348-7369

DEPT. OF LIBRARY, ARCHIVES AND PUBLIC RECORDS

Third Floor—State Cap
1700 West Washington
Phoenix, AZ 85007
(602) 255-4121

UNIVERSITY OF ARIZONA LIB.

Government Documents Dept
Tucson, AZ 85721
(602) 626-5233

CALIFORNIA STATE LIBRARY

Govt Publications Section
P O Box 2037
Sacramento, CA 95809
(916) 322-4572

UNIV. OF COLORADO LIB

Government Pub Division
Campus Box 184
Boulder, CO 80309
(303) 492-8834

DENVER PUBLIC LIBRARY

Govt Pub Department
1357 Broadway
Denver, CO 80203
(303) 571-2131

CONNECTICUT STATE LIBRARY

Government Documents Unit
231 Capitol Avenue
Hartford, CT 06106
(203) 566-4971

UNIV. OF FLORIDA LIBRARIES

Library West
Documents Department
Gainesville, FL 32611
(904) 392-0367

UNIV. OF GEORGIA LIBRARIES

Government Reference Dept
Athens, Ga 30602
(404) 542-8951

UNIV. OF HAWAII LIBRARY

Govt Documents Collection
2550 The Mall
Honolulu, HI 96822
(808) 948-8230

UNIV. OF IDAHO LIBRARY

Documents Section
Moscow, ID 83843
(208) 885-6344

ILLINOIS STATE LIBRARY

Information Services Branch
Centennial Building
Springfield, IL 62706
(217) 782-5185

INDIANA STATE LIBRARY

Senals Documents Section
140 North Senate Avenue
Indianapolis, IN 46204
(317) 232-3686

UNIV. OF IOWA LIBRARIES

Govt Documents Department
Iowa City, IA 52242
(319) 353-3318

UNIVERSITY OF KANSAS

Doc Collect—Spencer Lib
Lawrence, KS 66045
(913) 864-4662

UNIV. OF KENTUCKY LIBRARIES

Govt Pub Department
Lexington, KY 40506
(606) 257-3139

LOUISIANA STATE UNIVERSITY

Middleton Library
Govt Docs Dept
Baton Rouge, LA 70803
(504) 388-2570

LOUISIANA TECHNICAL UNIV. LIBRARY

Documents Department
Ruston, LA 71272
(318) 257-4962

UNIVERSITY OF MAINE

Raymond H Fogler Library
Tri-State Regional Documents
Depository
Orono, ME 04469
(207) 581-1680

UNIVERSITY OF MARYLAND

McKeldin Lib—Doc Div
College Park, MD 20742
(301) 454-3034

BOSTON PUBLIC LIBRARY

Government Docs Dept
Boston, MA 02117
(617) 536-5400 ext 226

DETROIT PUBLIC LIBRARY

Sociology Department
5201 Woodward Avenue
Detroit, MI 48202
(313) 833-1409

MICHIGAN STATE LIBRARY

P O Box 30007
Lansing, MI 48909
(517) 373-0640

UNIVERSITY OF MINNESOTA

Government Pubs Division
409 Wilson Library
309 19th Avenue South
Minneapolis, MN 55455
(612) 373-7813

UNIV. OF MISSISSIPPI LIB.

Documents Department
University, MS 38677
(601) 232-5857

UNIV. OF MONTANA

Mansfield Library
Documents Division
Missoula, MT 59812
(406) 243-6700

NEBRASKA LIBRARY COMM

Federal Documents
1420 P Street
Lincoln, NE 68508
(402) 471-2045
In cooperation with University of
Nebraska-Lincoln

UNIVERSITY OF NEVADA LIB.

Govt Pub Department
Reno, NV 89557
(702) 784-6579

NEWARK PUBLIC LIBRARY

5 Washington Street
Newark, NJ 07101
(201) 733-7812

UNIVERSITY OF NEW MEXICO

Zimmerman Library
Government Pub Dept
Albuquerque, NM 87131
(505) 277-5441

NEW MEXICO STATE LIBRARY

Reference Department
325 Don Gaspar Avenue
Santa Fe, NM 87501
(505) 827-2033, ext 22

NEW YORK STATE LIBRARY

Empire State Plaza
Albany, NY 12230
(518) 474-5563

UNIVERSITY OF NORTH CAROLINA

AT CHAPEL HILL
Wilson Library
BA/SS Documents Division
Chapel Hill, NC 27515
(919) 962-1321

UNIVERSITY OF NORTH DAKOTA

Chester Fritz Library
Documents Department
Grand Forks, ND 58202
(701) 777-2617, ext 27
(In cooperation with North
Dakota State Univ Library)

STATE LIBRARY OF OHIO

Documents Department
65 South Front Street
Columbus, OH 43215
(614) 462-7051

OKLAHOMA DEPT. OF LIB.

Government Documents
200 NE 18th Street
Oklahoma City, OK 73105
(405) 521-2502

OKLAHOMA STATE UNIV. LIB.

Documents Department
Stillwater, OK 74078
(405) 624-6546

PORTLAND STATE UNIV. LIB.

Documents Department
P O Box 1151
Portland, OR 97207
(503) 229-3673

STATE LIBRARY OF PENN.

Government Pub Section
P O Box 1601
Harrisburg, PA 17105
(717) 787-3752

TEXAS STATE LIBRARY

Public Services Department
P O Box 12927—Cap Sta
Austin, TX 78753
(512) 471-2996

TEXAS TECH UNIV LIBRARY

Govt Documents Department
Lubbock, TX 79409
(806) 742-2268

UTAH STATE UNIVERSITY

Merrill Library, U M C 30
Logan, UT 84322
(801) 750-2682

UNIVERSITY OF VIRGINIA

Alderman Lib—Public Doc
Charlottesville, VA 22901
(804) 924-3133

WASHINGTON STATE LIBRARY

Documents Section
Olympia, WA 98504
(206) 753-4027

WEST VIRGINIA UNIV. LIB.

Documents Department
Morgantown, WV 26506
(304) 293-3640

MILWAUKEE PUBLIC LIBRARY

814 West Wisconsin Avenue
Milwaukee, WI 53233
(414) 278-3000

ST. HIST LIB. OF WISCONSIN

Government Pub Section
816 State Street
Madison, WI 53706
(608) 262-4347

WYOMING STATE LIBRARY

Supreme Ct & Library Bld
Cheyenne, WY 82002
(307) 777-6344

**National Aeronautics and
Space Administration
Code NIT-4**

**Washington, D.C.
20546-0001**

**Official Business
Penalty for Private Use, \$300**

**SPECIAL FOURTH-CLASS RATE
POSTAGE & FEES PAID
NASA
Permit No G-27**

NASA

**POSTMASTER: If Undeliverable (Section 158
Postal Manual) Do Not Return**
