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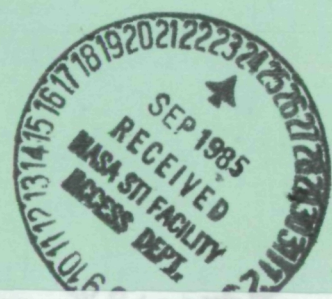
NASA SP-7039(27)
Section 2
Indexes

NASA PATENT ABSTRACTS BIBLIOGRAPHY

A CONTINUING BIBLIOGRAPHY

Section 2 • Indexes

JULY 1985



(NASA-SP-7039(27)-Section-2) NASA PATENT
ABSTRACTS BIBLIOGRAPHY, A CONTINUING
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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

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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 June 1985. This issue supersedes all previous Index Sections.



Scientific and Technical Information Branch

1985

National Aeronautics and Space Administration

Washington, DC

This supplement is available as NASA SP-7039(27) 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 92 citations published in this issue of the Abstract Section cover the period January 1985 through June 1985. The Index Section references over 4300 citations covering the period May 1969 through June 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.

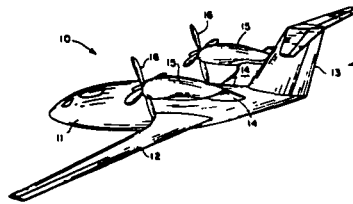
Abstract Citation Data Elements: Each of the abstract citations has several data elements useful for identification and indexing purposes, as follows:

- 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 → **AVAILABLE ON MICROFICHE**
NASA ACCESSION NUMBER → **N85-19980*#** National Aeronautics and Space Administration.
TITLE → **OVER THE WING PROPELLER Patent Application** ← **SOURCE**
INVENTORS → J. L. JOHNSON, JR. and E. R. WHITE, inventors (to NASA) (Kentrion 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) Avail: NTIS HC A02/MF A01 ← **US PATENT APPLICATIONS SERIAL NUMBER**
ABSTRACT → CACL 01C ← **AVAILABILITY**
ABSTRACT → 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
ABSTRACT → **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-Appl-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

PATENT LICENSING REGULATIONS

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

§§ 1245.206(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, 1961.

[FR Doc. 61-31009 Filed 10-30-61; 9:45 am.]

BILLING CODE 7510-01-01

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

Section 1 • Abstracts

Subject Categories (1974 -)

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; micro-miniaturization, 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

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*

88 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*

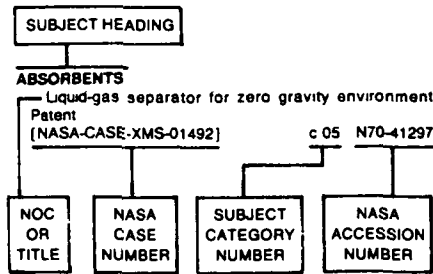
GENERAL

99 GENERAL

Section 2 • Indexes

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Typical Subject Index Listing



The subject heading is the key to the subject content of the document. A brief description of the document, e.g., 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-MSC-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-MSC-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 N73-27798

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-MSC-18786-1] 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-MSC-18382-1] c 27 N82-16238

Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-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-MSC-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-MSC-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 CROSS SECTIONS
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-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 N83-24842

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 gnd 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

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

SUBJECT

- 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
- ACTUATORS**
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 grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
Urne collection device
[NASA-CASE-MSC-18433-1] c 52 N81-24711
Urne collection apparatus — feminine hygiene
[NASA-CASE-MSC-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
A multistage spent particle collector and a method for
making same
[NASA-CASE-LEW-13914-1] c 35 N84-12447
- ACETALS**
Synthesis of polymers schiff bases by reaction of acetals
and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- ACETATES**
Thermoplastic rubber compoing ethylene-vinyl acetate
copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
- 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
- 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 ultrapur 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
Gravity enhanced acoustic levitation method and
apparatus
[NASA-CASE-NPO-16147-1] c 71 N84-16949
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
Containerless high purity pulling process and apparatus
for glass fibers
[NASA-CASE-MFS-25905-2] c 31 N84-32569
High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- 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
- ACOUSTO-OPTICS**
Apparatus for testing wing harness by vibration
generating means
[NASA-CASE-MSC-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
- ACTIVE CONTROL**
Linear magnetic bearings — active magnetic suspension
of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469
- 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-MSC-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
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[NASA-CASE-NPO-11340] c 15 N72-33477
Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
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[NASA-CASE-NPO-11369] c 15 N73-13467
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[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-MSC-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-15980-1] 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-MSC-20112-1] c 37 N85-20338
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[NASA-CASE-MFS-25637-1] c 44 N85-21769
- ADAPTERS**
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[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
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[NASA-CASE-MFS-21109-1] c 05 N73-27941
Adaptive voting computer system
[NASA-CASE-MSC-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-MFS-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-MSC-12619-2] c 27 N79-12221
- Surface finishing
[NASA-CASE-MSC-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 adhesive attachment pad
[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-MSC-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
- Fight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- Space shuttle vehicle and system
[NASA-CASE-MSC-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
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 02 N84-20495
- 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-MSC-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-MSC-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
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 02 N84-20495
- AERODYNAMIC STALLING**
- Aerodynamic side-force alleviator means
[NASA-CASE-ARC-12326-1] c 02 N81-14968
- AEROELASTICITY**
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
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- 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
- 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 grids 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 alignment 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

ALIPHATIC COMPOUNDS
The 1,1,1-triary-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-01484] 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-HGN-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
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
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 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
Phenoxy resins containing pendent ethynyl groups and cured resins therefrom
[NASA-CASE-LAR-13262-1] c 27 N84-24805

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 tetrahedral 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 N84-22888
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

ALTIMETERS
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

ALTITUDE
Combined optical altitude 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
Nickel 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-diamidoximes
[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 polymeric 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 (1) 4,4',4''-phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-21361
- 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
- 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-MSC-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
- Reactanceless bandpass amplifier
[NASA-CASE-GSC-12768-1] c 33 N83-12333
- Measurement amplifier
[NASA-CASE-MFS-25868-1] c 33 N84-32680
- 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
- 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
- A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969
- Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
- 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-25438-1] c 27 N83-36220
- Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- ANALGESIA**
Indomethacin-acrinanthistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- Indomethacin-acrinanthistamine 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 N78-18913
- 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-MSC-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
- 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-MSC-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-20918] 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)**
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

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 N81-15384
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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
 Reactanceless bandpass amplifier
 [NASA-CASE-GSC-12788-1] c 33 N83-12333
 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
 Multiplexed linear array multiband selection device
 [NASA-CASE-GSC-12911-1] c 35 N84-25016

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

BARIIUM

Barium release system
 [NASA-CASE-LAR-10670-1] c 06 N73-30097
BARIIUM COMPOUNDS
 Ion thruster cathode
 [NASA-CASE-XLE-07087] c 06 N69-39889

BARIIUM FLUORIDES

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

BARIIUM ION CLOUDS

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

BARIIUM 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
 Chemically rechargeable battery
 [NASA-CASE-NPO-16024-1] c 44 N84-23020

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

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 apertures
 [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-ellipsoidal 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
 Multiplex 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
- 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 grds
[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 attitude, 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
- Linear magnetic bearings --- active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469
- Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284
- Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
- Antenna grout 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 sprometer
[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
- Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423
- 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
- Polymers of phosphonylmethyl-2,4- and -2,6-diamino benzenes and the like
[NASA-CASE-ARC-11506-1] c 27 N84-12313
- Fire resistant polymers based on 1-((dialkoxyposphonyl)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-WLP-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 inert 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
- BIAS**
- Electrical self-aligning connector
[NASA-CASE-MFS-25211-1] c 33 N80-32651
- 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-004766] c 08 N71-18602
- Computing apparatus Patent
[NASA-CASE-XGS-04785] 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-MSC-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

BIODEGRADATION

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 urnes without isolation
 [NASA-CASE-GSC-12046-1] c 52 N79-14750
 Method and apparatus for eliminating tumour interference material
 [NASA-CASE-MSC-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-MSC-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-MSC-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
 Urine collection device
 [NASA-CASE-MSC-16433-1] c 52 N81-24711
 Bio-medical flow sensor --- intravenous procedures
 [NASA-CASE-MSC-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

BIOINSTRUMENTATION

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-MSC-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-MSC-14623-1] c 52 N77-28717

Miniature implantable ultrasonic echosonometer
 [NASA-CASE-ARC-11035-1] c 52 N79-18580
 Induction powered biological radiosonde
 [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-MSC-16777-1] c 51 N80-27087
 Simultaneous muscle force and displacement transducer
 [NASA-CASE-NPO-14212-1] c 52 N80-27072
 Logic-controlled occlusive cuff system
 [NASA-CASE-MSC-14836-1] c 52 N82-11770
 Implantable electrical device
 [NASA-CASE-GSC-12560-1] c 52 N82-29863
 Dual physiological rate measurement instrument
 [NASA-CASE-MSC-20078-1] c 52 N82-32971

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

BIOMASS ENERGY PRODUCTION

Fluidized bed liquefaction of biomass
 [NASA-CASE-NPO-15907-1] c 25 N83-36121
 Fluidized bed gasification of biomass to methane
 [NASA-CASE-NPO-15903-1] c 44 N84-12635

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-MSC-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
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 [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

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

CALCIUM FLUORIDES

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 [NASA-CASE-XMS-00259] c 18 N70-36400

Method of making self lubricating fluoride-metal composite materials Patent
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 [NASA-CASE-ARC-11053-1] c 25 N79-10162

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 [NASA-CASE-GSC-12652-1] c 52 N84-34913

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 [NASA-CASE-XLA-00781] c 09 N71-22999

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 [NASA-CASE-XNP-01660] c 14 N71-23036

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 [NASA-CASE-XKS-10804] c 05 N71-24606

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 [NASA-CASE-XLA-03410] c 16 N71-25914

Radar calibration sphere
 [NASA-CASE-XLA-11154] c 07 N72-21117

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 [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
- 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-10686] c 14 N71-28935
Laser camera and diffusion filter therefor 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-MS-C-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
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- CAMS**
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[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-MS-C-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
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N84-21053
- 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 N82-28330
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
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[NASA-CASE-LEW-10364-1] c 09 N71-13522
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[NASA-CASE-XLA-01987] c 23 N71-23976
Ripple indicator
[NASA-CASE-KSC-10182] 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 N72-28782
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MS-C-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
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- 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 N71-20886
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
Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MS-C-16497-1] c 25 N82-12166
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 24 N84-16266
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 N78-18427
- 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
- CARBON MONOXIDE**
Carbon monoxide monitor --- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
- CARBON-CARBON COMPOSITES**
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N83-29706
- CARBONACEOUS MATERIALS**
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N83-36122

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CARBONATES

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[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

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Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylcyclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389

Carboranylethylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

CARBOXYLIC 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
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
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[NASA-CASE-ARC-11405-1] c 27 N84-27884

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Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676

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[NASA-CASE-ARC-10985-1] c 52 N79-10724

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[NASA-CASE-XMS-02399] c 05 N71-22896
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760

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[NASA-CASE-MFS-20418] c 14 N73-24473
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895

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Digital computing cardiographometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778

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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

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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

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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

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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

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[NASA-CASE-XLA-01401] c 15 N71-21179

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[NASA-CASE-XGS-00769] c 14 N70-41647
Endless tape transport mechanism Patent
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Catalyst cartridge for carbon dioxide reduction unit
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High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155

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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

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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-MSC-18936-1] c 35 N83-29652

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Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179

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[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

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Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 07 N84-22562

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

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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

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Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570

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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

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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

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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
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[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

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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

CATIONS

Ionene membrane separator
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[NASA-CASE-XMF-01483] c 14 N69-27431
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[NASA-CASE-XAC-08981] c 09 N69-39897
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[NASA-CASE-MSC-12033-1] c 09 N71-13531
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[NASA-CASE-XMS-02744] c 33 N75-27249
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[NASA-CASE-XNP-01058] c 09 N71-12540
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[NASA-CASE-XNP-04780] c 08 N71-19687
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[NASA-CASE-XLE-02008] c 09 N71-21583
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[NASA-CASE-XGS-03390] c 03 N71-23187
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[NASA-CASE-XNP-07477] c 09 N71-26092
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[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
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[NASA-CASE-XLA-07788] c 09 N71-29139
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[NASA-CASE-GSC-10667-1] c 10 N71-33129
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[NASA-CASE-FRC-10036] c 09 N72-22200
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[NASA-CASE-ERC-10268] c 09 N72-25252
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- Measurement amplifier
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[NASA-CASE-NPO-16126-1] c 44 N84-32911
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[NASA-CASE-MSC-20187-1] c 33 N85-20249

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

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- Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
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- Helicopter anti-torque system using strakes
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- Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
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- Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782

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- Portable alignment tool Patent
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- Time synchronization system utilizing moon reflected coded signals Patent
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[NASA-CASE-XNP-06234] c 10 N71-27137
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[NASA-CASE-XLA-03213] c 05 N71-11207
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- Heat transfer device
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- Cloud cover sensor
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- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
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- Rotary stepping device with memory metal actuator
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- Clutter free synthetic aperture radar correlator
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- Complementary DMOS-VMOS integrated circuit structure
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- Surfactant-assisted liquefaction of particulate carbonaceous substances
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 [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 multipoint 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
 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 64 N83-12932
 Distributed multipoint memory architecture
 [NASA-CASE-NPO-15342-1] c 60 N83-32342
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
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
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
CONCAVITY
 Concave grating spectrometer Patent
 [NASA-CASE-XGS-01036] c 14 N70-40003
CONCENTRATION (COMPOSITION)
 Tower evaporator
 [NASA-CASE-NPO-15609-1] c 25 N83-36119
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-09899] 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-AFC-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 sput heat exchanger Patent
 [NASA-CASE-XMS-09571] c 05 N71-19439
 Compact pulsed laser having improved heat conduction
 [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 ferret 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
Variable length strut with longitudinal compliance and locking capability --- constructing truss and beam structures in space and interconnecting an orbit transfer vehicle and a payload
[NASA-CASE-MFS-25907-1] c 37 N83-31019
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-MS-18969-1] c 18 N84-22605
Connection system --- insuring against loss of a tool component without using multiple tethers
[NASA-CASE-MS-20319-1] c 37 N85-21649
- CONSCIOUSNESS**
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MS-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
Restraining mechanism
[NASA-CASE-MS-13054] c 54 N78-17677
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- CONSTRUCTION MATERIALS**
Foldable construction block
[NASA-CASE-MS-12233-1] c 15 N72-25454
Foldable construction block
[NASA-CASE-MS-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
Containerless high purity pulling process and apparatus for glass fibers
[NASA-CASE-MFS-25905-2] c 31 N84-32569
- 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 for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398
- CONTAMINANTS**
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
Moisture content and gas sampling device --- to test hermetically sealed electronic equipment
[NASA-CASE-MS-18866-1] c 35 N82-26634
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
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-MS-13407-1] c 10 N72-20225
Variable contour securing system
[NASA-CASE-MS-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-23628-1] c 24 N80-26388
Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MS-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 dnft 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-MS-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
Dnft 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-MS-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 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
Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031
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 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**
Geysing 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**
Gimballed, 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 --- monoval conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Method for refurbishing and processing parachutes
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[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 cryogens 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
- Multistage 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
- Geysering 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
- 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
- Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031
- Total immersion crystal growth --- using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149
- 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 for growing low defect, high purity crystalline layers --- photovoltaic cells
[NASA-CASE-NPO-15813-1] c 76 N83-30269
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- Containerless high purity pulling process and apparatus for glass fibers
[NASA-CASE-MFS-25905-2] c 31 N84-32569
- 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
- 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
- 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-MSC-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
- 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-MSC-16934-3] c 24 N84-16262
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 24 N84-22701
- Phenoxy resins containing pendent ethymyl groups and cured resins therefrom
[NASA-CASE-LAR-13262-1] c 27 N84-24805
- 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
- Metal (11) 4,4',4'',4'''-phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-21361
- 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
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N83-24842
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-NPO-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-MSC-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 liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
Coal-shale interface detector
[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-MSC-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**
Carboranylcyano phosphazenes and their polymers — thermal insulator
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- CYCLIC HYDROCARBONS**
Intumescent composition, foamed product prepared therefrom, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- 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
- 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
- CYLINDRICAL SHELLS**
Variable length strut with longitudinal compliance and locking capability — constructing truss and beam structures in space and interconnecting an orbit transfer vehicle and a payload
[NASA-CASE-MFS-25907-1] c 37 N83-31019
- CYSTS**
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
- CZOCHEWSKI METHOD**
Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105

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- DAMAGE**
Method of repairing surface damage to porous refractory substrates — space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172
- 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
Altitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
Passive caging mechanism Patent
[NASA-CASE-GSC-10308-1] c 15 N71-24694
- Notation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-1] c 37 N83-26080
Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 07 N84-22562
Constant force friction damper
[NASA-CASE-MSC-20505-1] c 18 N84-22611
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- 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
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 Variable digital processor including a register for shifting and rotating bits in either direction Patent
 [NASA-CASE-GSC-10186] c 08 N71-33110
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 [NASA-CASE-NPO-11358] c 07 N72-25172
 Versatile arithmetic unit for high speed sequential decoder
 [NASA-CASE-NPO-11371] c 08 N73-12177
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 [NASA-CASE-ERC-10112] c 07 N72-21119
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 [NASA-CASE-ARC-10003-1] c 09 N71-25866
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 Image data rate converter having a drum with a fixed head and a rotatable head
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 [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
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 [NASA-CASE-XNP-02791] c 07 N71-23026
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Variable time constant smoothing circuit Patent
 [NASA-CASE-XGS-01983] c 10 N70-41964
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 [NASA-CASE-XNP-04162-1] c 08 N70-34675
 Magnetic matrix memory system Patent
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 Tape guidance system and apparatus for the provision thereof Patent
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 Event recorder Patent
 [NASA-CASE-XLA-01832] c 14 N71-21006
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 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
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 [NASA-CASE-KSC-11018-1] c 33 N79-10337

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 [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
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 [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
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 [NASA-CASE-XGS-02612] c 08 N71-19435
 Phase quadrature-plural channel data transmission system Patent
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 Reduced bandwidth video communication system utilizing sampling techniques Patent
 [NASA-CASE-XNP-02791] c 07 N71-23026

Frequency shift keying apparatus Patent
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 Decoder system Patent
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 [NASA-CASE-NPO-11243] c 07 N72-20154
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 [NASA-CASE-NPO-13125-1] c 33 N75-19519
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 [NASA-CASE-GSC-12017-1] c 32 N77-30308
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 [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
 Retinally stabilized differential resolution television display
 [US-PATENT-APPL-SN-425204] c 32 N83-12308
 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
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 [NASA-CASE-ARC-11326-1] c 25 N83-33977

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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

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 [NASA-CASE-XMF-00641] c 31 N70-36410
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 [NASA-CASE-XMS-03792] c 14 N70-41812
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 Zero gravity apparatus Patent
 [NASA-CASE-NMF-06515] c 14 N71-23227

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High speed direct binary to binary coded decimal converter and scaler
 [NASA-CASE-KSC-10595] c 08 N73-12176

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Method and apparatus for decoding compatible convolutional codes
 [NASA-CASE-MSC-14070-1] c 32 N74-32598

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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-MSC-14557-1] c 32 N76-16249
 Three phase full wave dc motor decoder
 [NASA-CASE-GSC-11824-1] c 33 N77-26386
 Decommulator patchboard verifier
 [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

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 [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-MSC-14070-1] c 32 N74-32598
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 [NASA-CASE-MSC-12506-1] c 32 N77-12239

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- Decommutator patchboard venier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491

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- 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
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[NASA-CASE-MFS-22906-1] c 75 N78-27913

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[NASA-CASE-NPO-11569] c 10 N73-26229

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- Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447

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- 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

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- 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

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- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605

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Low cycle fatigue testing machine
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[NASA-CASE-LEW-12527-1] c 37 N77-32500

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- Degassing and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

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- 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
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[NASA-CASE-LAR-10276-1] c 09 N75-15662

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[NASA-CASE-XLA-08645] c 15 N69-21465

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- Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096

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- Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 35 N84-32782

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- 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-MSC-18035-1] c 32 N81-15179

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- A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900

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- Multifunction audio digitizer --- producing direct delta and pulse code modulation
[NASA-CASE-MSC-13855-1] c 35 N74-17885

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- Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986

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- Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

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- Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Facsimile video demodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
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[NASA-CASE-GSC-12508-1] c 04 N84-22546

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Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
Demodulation system Patent
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[NASA-CASE-XLA-03410] c 16 N71-25914
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-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
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[NASA-CASE-MSC-14840-1] c 32 N77-24331
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
Self-calibrating threshold detector
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[NASA-CASE-NPO-15530-1] c 76 N83-35888

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- Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171

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[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

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- Non-toxic invert 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

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- Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41578
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[NASA-CASE-ARC-10631-1] c 74 N76-20958

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- Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
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[NASA-CASE-XLE-00688] c 14 N70-41330
Determining particle density using known material Hugeniot curves
[NASA-CASE-LAR-11059-1] c 78 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 38 N83-29681
Device for determining frost depth and density
[NASA-CASE-NFS-25754-1] c 35 N84-28018

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- Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
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[NASA-CASE-LAR-12471-1] c 52 N82-29862

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- Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138

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[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

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[NASA-CASE-XNP-00595] c 15 N70-34967
Monitoring deposition of films
[NASA-CASE-NPO-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

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- 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

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

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

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- 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
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 35 N84-29191

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[NASA-CASE-LAR-12458-1] c 44 N83-21503

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- 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 N83-36122

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

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- 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

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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
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[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

ENVIRONMENTAL 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

ENVIRONMENTAL 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
Autogignition 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

ENZYME 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
Polymers of phosphonylmethyl-2,4- and -2,6-diamino benzenes and the like
[NASA-CASE-ARC-11506-1] c 27 N84-12313

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-12688-1] c 27 N83-34039
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N84-20700
Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
Metal (1) 4,4',4''-phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-21381

EQUATIONS OF MOTION

- Kinesimetric method and apparatus
[NASA-CASE-MSC-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 torquemeter 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 N71-12369
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

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- 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-11802-1] 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 gimbalized 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-10587] 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

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- 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 N71-27087
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-triary-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

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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

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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

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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-06065] c 15 N71-20395
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
Tower evaporator
[NASA-CASE-NPO-15609-1] c 25 N83-36119
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

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
High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 18 N84-16250
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16238-1] 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

EXPLOSIVES

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 compansion
[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
Slide release mechanism — for the external tank
[NASA-CASE-MSC-20080-1] c 37 N82-31688

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

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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 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

SUBJECT INDEX

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 N84-20804

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

EXTERNAL STORES
Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373

EXTERNAL TANKS
Slide release mechanism --- for the external tank
[NASA-CASE-MSC-20080-1] c 37 N82-31688

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

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

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[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
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 [NASA-CASE-ARC-11512-2] c 27 N85-21362

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 [NASA-CASE-ARC-10304-1] c 18 N73-26572
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 [NASA-CASE-ARC-11104-1] c 15 N79-26100

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Combustion products generating and metering device
 [NASA-CASE-GSC-11095-1] c 14 N72-10375
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Flame detector operable in presence of proton radiation
 [NASA-CASE-MFS-21577-1] c 19 N74-29410

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 [NASA-CASE-MSC-14903-3] c 27 N80-24438
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 [NASA-CASE-ARC-11174-1] c 24 N81-13999
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 [NASA-CASE-MSC-18382-1] c 27 N82-16238
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 [NASA-CASE-NPO-14857-1] c 27 N83-19900
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[NASA-CASE-XLA-00302] c 15 N71-16077
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[NASA-CASE-XMS-09690] c 33 N72-25913
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[NASA-CASE-MS-C-14903-2] c 27 N80-10358
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[NASA-CASE-XNP-00683] c 09 N70-35425
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Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
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[NASA-CASE-XKS-08485] c 07 N71-19493

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[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
- 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
- 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-MSC-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-MSC-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-MSC-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 N70-10887
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-MSC-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-11851-1] 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 38 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 38 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 38 N83-29680
 A two-axis, self-nulling skin friction balance
 [NASA-CASE-LAR-13294-1] c 35 N85-21610

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 29 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-12889-1] 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

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-ARC-11245-1] c 28 N82-18401
 Fluidized bed coal liquefaction
 [NASA-CASE-NPO-15891-1] c 25 N83-36120
 Fluidized bed liquefaction of biomass
 [NASA-CASE-NPO-15907-1] c 25 N83-36121
 Fluidized bed desulfurization
 [NASA-CASE-NPO-15924-1] c 25 N83-36122
 Fluidized bed gasification of biomass to methane
 [NASA-CASE-NPO-15903-1] c 44 N84-12635

FLUIDS

Automated fluid chemical analyzer Patent
 [NASA-CASE-XNP-09451] c 06 N71-26754
 Bacteria 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 N71-28787
 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

Fluonated 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-MS-C-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 N73-30706
 Utilization of oxygen difluoride for syntheses of fluoropolymers
 [NASA-CASE-NPO-12061-1] c 27 N76-16228
 The 1,1,1-triaryl-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 N70-40387
- 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 N84-11287
- 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 N83-36888
- FOCUSING**
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Focussing 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
- Multiplane 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
- Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26811
- 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-restowable 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**
Ferrotludic 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-04888-1] 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
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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

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High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147

Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625

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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 fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

Induction heating gun
[NASA-CASE-LAR-12540-2] c 27 N82-24345

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

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

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Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02782] 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

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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 28 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

Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398

Total immersion crystal growth --- using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149

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 N71-26283

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
The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920

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-MSC-11072] c 54 N74-32546
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Urne collection apparatus --- feminine hygiene
[NASA-CASE-MSC-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-MSC-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 N71-10817
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
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 51 N84-23093

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

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-04589] 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-MSC-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-MSC-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-MSC-14143-1] c 77 N75-20139
Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384

- Moisture content and gas sampling device --- to test hermetically sealed electronic equipment
[NASA-CASE-MS-18866-1] c 35 N82-26634
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- Covering solid, film coated 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
- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 35 N84-32786
- 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-13342-1] 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
- 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
- Spectrophotometer stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
- 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
- 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-14596-3] 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
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[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
Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
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 --- 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 -- gyroscope 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 - (dialkoxyposphonyl)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
- Dual physiological rate measurement instrument
[NASA-CASE-MS-20078-1] c 52 N82-32971

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 cryogenics 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

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 N83-18596
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 44 N83-29804
- 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-20812-1] c 34 N84-32748
- Improved monogroove heat pipe design Insulated liquid channel with bridging wick
[NASA-CASE-MS-20497-1] c 34 N84-34692
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- HEAT PUMPS**
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17810
- 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-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-03083] 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 N77-27167
- 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
- Arc spray fabrication of metal matrix composite monotype -- high temperature fiber-reinforced superalloy composites
[NASA-CASE-LEW-13828-1] c 24 N84-15203
- 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 polymeric 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-MSC-13047-1] c 31 N71-25434
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
- 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
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-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-MSC-18832-1] c 27 N83-18908
- 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-12284-1] 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**
- Concally 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
- HEAT STORAGE**
- Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24698
- Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N84-32910
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- 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-MSC-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 N78-17338
- 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
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 44 N83-29804
- 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
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-2] c 35 N84-22935
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
- 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 N75-27781
- 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-MSC-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
- Method for strengthening boron fibers
[NASA-CASE-LEW-13828-2] c 24 N84-24711
- Ethynyl-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
- An improved synthesis of 2,4,8,10-tetroxaspro (5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- 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 N84-33568
- HEIGHT**
- Sidelooking 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
- 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

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
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[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-MSC-12168-1] c 09 N71-18600
- Open type urna receptacle
[NASA-CASE-MSC-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-MSC-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
- HUGONIOT EQUATION OF STATE**
- Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12610
- 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-MSC-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-MSC-12243-1] c 05 N71-24728
- EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-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-MSC-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-MSC-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-MSC-13604-1] c 05 N73-13114
- HUMAN WASTES**
- Reduced gravity fecal collector seat and unna
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
- Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- Absorbent product and articles made therefrom
[NASA-CASE-MSC-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-MSC-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-MSC-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
- Geysening 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-MSC-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-MSC-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-MSC-16239-1] c 37 N81-32510
- HYDRAZINE NITROFORM**
- Hydrazinium nitroformate propellant with saturated polymenic 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
- 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
- Fluidized bed liquefaction of biomass
[NASA-CASE-NPO-15907-1] c 25 N83-36121
- 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 polymenc 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
- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 35 N84-32786
- HYDROCHLORIC ACID**
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
- HYDROCRACKING**
Fluidized bed coal liquefaction
[NASA-CASE-NPO-15891-1] c 25 N83-36120
- 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-C-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-C-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
- 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 EMBRITTLEMENT**
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 chlorinized coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- HYDROPYROLYSIS**
Fluidized bed coal liquefaction
[NASA-CASE-NPO-15891-1] c 25 N83-36120
- HYDROSTATIC PRESSURE**
Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MS-C-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-C-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 N83-20084
- 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**
Hyperthermia 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-MS-C-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-11089-1] 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

IGNITION

Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Device and method for frictionally 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

Servo-mechanism 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

The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083

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

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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 reimaging 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

Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502

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

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

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

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 N73-33696

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-25662-2] c 37 N84-33807

IMPACT TESTS

Impacting device for testing insulation
[NASA-CASE-MFS-25662-2] 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

SUBJECT INDEX

IMPEDANCE

- Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887

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- 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

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

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- 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

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- 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
Induction heating gun
[NASA-CASE-LAR-12540-2] c 27 N82-24345
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591

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
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
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

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- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01687] c 15 N71-17647
Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27384
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

INFLATABLE STRUCTURES

INDUSTRIAL WASTES

- Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MSC-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-MSC-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
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

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

INFORMATION RETRIEVAL

Emergency space-suit helmet
[NASA-CASE-MSC-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-MSC-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

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Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181

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Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395

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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

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High-speed infrared furnace
[NASA-CASE-XLE-10486] 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

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-MSC-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

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 N71-24738
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
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[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-21364-1] 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
- Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
- 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 cyclophosphazenes
[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
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[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

A general logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-1] c 33 N79-25314
General logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-2] c 33 N82-25440
Combinational logic for generating gate drive signals for
phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
Split-cross-bridge-resistor for testing for proper
fabrication of integrated circuit
[NASA-CASE-NPO-16021-1] c 33 N83-24769
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
Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895

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
Arrangement for damping the resonance in a laser
diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618
Ranging system --- industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991
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 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

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-HQN-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-MSC-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

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

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-11858-1] 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
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
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
Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398
Slide release mechanism --- for the external tank
[NASA-CASE-MSC-20080-1] c 37 N82-31688
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
- 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
Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663
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
- Orifice 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-XSC-11004-1] c 31 N79-30749
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
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[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-MSC-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-MSC-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-03860] 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-MSC-18106-1] c 33 N82-11357

Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 15 N85-11122

MAGNETIC COOLING

Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N84-24830

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

MAGNETIC FLUX

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

Linear magnetic bearings -- active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469

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 N72-22819

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

MAGNETIC FILMS

Manganese bismuth films with narrow transfer characteristics for Cune-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-XNP-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
- 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 POLES**
Magnetohydrodynamic 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 Cune-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
Linear magnetic bearings --- active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469
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
- MAGNETO-HYDRODYNAMIC FLOW**
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
- MAGNETO-HYDRODYNAMIC GENERATORS**
Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
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
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 vectorial 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
- MAGNETRON SPUTTERING**
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N84-12289
- 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
- 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 torquemeter 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
- 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 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
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 35 N84-29191

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

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[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
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[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 shank-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
Aluminum 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 automation
[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

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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-MSC-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] c 36 N84-15536

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[NASA-CASE-XNP-02092] c 15 N70-42033
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[NASA-CASE-XGS-04993] c 14 N71-17574
Method for growing low defect, high purity crystalline layers --- photovoltaic cells
[NASA-CASE-NPO-15813-1] c 76 N83-30269

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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-MSC-14653-1] c 35 N77-19385

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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

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Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339

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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
On-line 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

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Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393

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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

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Sorption vacuum trap Patent
 [NASA-CASE-XER-09519] c 14 N71-18483

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
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 [NASA-CASE-XKS-01985] c 15 N71-10782
 Method and apparatus for cryogenic wire stripping
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 [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
 High production shuttle car system for coal mines
 [NASA-CASE-NPO-15949-1] c 37 N83-20155
 Acoustic system for material transport
 [NASA-CASE-NPO-15453-1] c 71 N83-32515

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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

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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
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 [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
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 Material fatigue testing system
 [NASA-CASE-MFS-20673] c 14 N73-20476

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Logical function generator
 [NASA-CASE-XLA-05099] c 09 N73-13209

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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

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Chemical approach for controlling nadimide cure
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Chemical approach for controlling nadimide cure
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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

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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
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 Parallel motion suspension device Patent
 [NASA-CASE-XNP-01567] c 15 N70-41310
 Vibrating structure displacement measuring instrument
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 [NASA-CASE-XMF-04966] c 14 N71-17658
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 [NASA-CASE-XMS-01618] c 14 N71-20741
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 [NASA-CASE-XMS-06236] c 14 N71-21007
 Energy absorbing device Patent
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 Ablation sensor Patent
 [NASA-CASE-XLA-01791] c 14 N71-22991
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 Electron beam instrument for measuring electric fields
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 Floating two force component measuring device
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 Internal flare angle gauge Patent
 [NASA-CASE-XMF-04415] c 14 N71-24693
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 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
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 Cosmic dust sensor
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 [NASA-CASE-MFS-21629] c 14 N72-22442
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 Multi axes vibration fixtures
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 Droplet monitoring probe
 [NASA-CASE-NPO-10985] c 14 N73-20478
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 [NASA-CASE-NPO-11291-1] c 14 N73-30388
 Apparatus for absolute pressure measurement
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 Holographic thin film analyzer
 [NASA-CASE-MFS-20823-1] c 16 N73-30476
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 [NASA-CASE-FRC-10051-1] c 35 N74-13129
 Thin film gauge -- for measuring convective heat transfer
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 [NASA-CASE-KSC-10731-1] c 33 N74-27862
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 [NASA-CASE-MFS-21728-1] c 35 N74-27865
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 [NASA-CASE-LAR-10806-1] c 35 N74-32877
 Meter for use in detecting tension in straps having
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 Method and apparatus for measuring web material
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 Ruler for making navigational computations
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- Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- Optical range finder having nonoverlapping complete images
[NASA-CASE-MS-C-12105-1] c 14 N72-21409
- Ranging system — industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991
- 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
- Gregonan 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 vectoral 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-MS-C-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
- 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
- Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540
- 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-MS-C-20543-1] c 18 N84-22610
- ORBITAL ASSEMBLY**
- Structural members, method and apparatus
[NASA-CASE-MS-C-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-MS-C-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-MS-C-20543-1] c 18 N84-22610
- Constant force friction damper
[NASA-CASE-MS-C-20505-1] c 18 N84-22611
- 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
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 24 N84-22701
- ORGANIC COMPOUNDS**
- Process for preparation of dianilinosilanes 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-MS-C-14428-1] c 23 N77-17161
- Electrolytic oxidation system for measurement of organic concentration in water
[NASA-CASE-MS-C-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-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
- Fire-resistant phosphorus containing compounds, polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-21363
- 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
- ORTHOPEDICS**
- 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
- 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-MS-C-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

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
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N83-29594

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-MS-C-14831-1] c 25 N78-10225
- Compound oxidized styrylphosphine -- flame resistant vinyl polymers
[NASA-CASE-MS-C-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 N71-18026
- 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 N79-17816
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
- Nickel 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
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 24 N84-16266

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
 - A new solar cell design for improved open circuit voltage and high efficiency
[NASA-CASE-NPO-16126-1] c 44 N84-32911
 - Improved thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 27 N84-33595

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-12238-2] c 44 N79-14528
 - A new solar cell design for improved open circuit voltage and high efficiency
[NASA-CASE-NPO-16126-1] c 44 N84-32911
- 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 Barner 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 N84-24806

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-MSC-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
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 [NASA-CASE-XGS-01590] c 07 N71-12392
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 [NASA-CASE-GSC-10021-1] c 09 N71-24595
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 Time domain phase measuring apparatus
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 [NASA-CASE-XKS-10804] c 05 N71-24606
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- PHOTOCONDUCTIVE CELLS**
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[NASA-CASE-LAR-10686] c 14 N71-28935
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 [NASA-CASE-XGS-00359] c 14 N70-34158

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 [NASA-CASE-NPO-10373] c 03 N71-18698

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 [NASA-CASE-MFS-23540-1] c 44 N79-26475

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 [NASA-CASE-XNP-05429] c 26 N71-21824

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 [NASA-CASE-NPO-15904-1] c 76 N83-21993

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 [NASA-CASE-MSC-14180-1] c 52 N76-14757

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 [NASA-CASE-XMS-05365] c 14 N71-22993

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 [NASA-CASE-XLA-00936] c 14 N71-14996

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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-MSC-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
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 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-MSC-20653-1] c 35 N85-20301
- POLYAMIDE RESINS**
- Vitro-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
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
- Heat resistant protective hand covering
[NASA-CASE-MSC-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 maleimido and oxaconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364
- POLYBENZIMIDAZOLE**
- Polymenc 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 N78-14228
- 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 78 N79-21910
- POLYESTERS**
- Novel polycarboxylic prepolymeric 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
- POLYETHER RESINS**
- 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 fluorinated polymers
[NASA-CASE-MFS-11482] c 06 N73-30102
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- 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
- Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
- 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
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LAR-13770-2] c 27 N83-30651
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 24 N84-22701
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LAR-13770-1] c 27 N84-27885
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- Chemical approach for controlling nadamide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
- Chemical approach for controlling nadamide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352
- 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 addition type polyimide prepregs
[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 compounds, polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-21363
- POLYISOBUTYLENE**
- Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- POLYISOPRENES**
- Enhancement of in vitro guayule propagaton
[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 polymenc materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
- Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
- Tmnenzation 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 amide 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
- Polymenc 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
- POLYMER MATRIX COMPOSITES**
- Intumescent-abiator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- 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
- Thermoelectric 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
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- 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
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[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 making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540
- 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
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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 polymers 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 polymers 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
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Silyphenylenesiloxane 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

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[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
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Polymers 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

Carboranylcyctlophosphazenes 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-(dialkoxyposphonyl)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(midesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041

Polymers of phosphonylmethyl-2,4- and -2,6-diamino benzenes and the like
[NASA-CASE-ARC-11506-1] c 27 N84-12313

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 resistant polymers based on 1-(dialkoxyposphonyl)methyl-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702

Supercritical solvent coal 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-NPO-12980-1] c 27 N84-22749

Carboranyl-methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

Phenoxy resins containing pendent ethynyl groups and cured resins therefrom
[NASA-CASE-LAR-13262-1] c 27 N84-24805

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

Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N84-32530

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 octaconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364

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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-azidine 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 nitrososubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

Hydrazinium nitroformate propellant with saturated polymer 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

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[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
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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

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Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749

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Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423

Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups -- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749

POLYPROPYLENE

Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N84-32530

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 N84-24806

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-NPO-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 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

Fluorine 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

Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531

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

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
- POROUS WALLS**
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N84-24830
- PORPHYRINS**
Method and apparatus for eliminating lumino interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
- POTABLE 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
Boning 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
- POTABLE 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
Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335
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-MSC-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
- 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
- Method for terminal position determination in Earth terminal-to-satellite burst acquisition and synchronization
[NASA-CASE-LEW-13893-1] c 32 N83-30832
- 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-MSC-14632-1] c 54 N78-14784
Degassifying air mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-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, potable 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
- 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 based 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-MSC-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
- 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 GAIN**
Serrrodyne 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-KSC-10899-1] c 33 N79-18193
Shielded conductor cable system
[NASA-CASE-MSC-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-MSC-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
Unsaturating 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
Tnac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- PRECESSION**
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
- 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 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
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 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

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

READ-ONLY MEMORY DEVICES

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

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
 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 64 N83-12932

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
 Technique for measuring gas conversion factors
 [NASA-CASE-LAR-13220-1] c 35 N84-32786

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

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

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 N69-39888
 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

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
 Fluidized bed coal liquefaction
 [NASA-CASE-NPO-15891-1] c 25 N83-36120
 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
 Diffusely reflecting paints including
 polytetrafluoroethylene and method of manufacture
 [NASA-CASE-GSC-12883-1] c 27 N84-24806
 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

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

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 polarizance 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
Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] 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-MSC-18741-1] c 27 N82-29456
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
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-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 cryogen 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 N84-24830

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

REGENERATORS

Code regenerative clean-up loop transponder for a multi-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

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
Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434

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-MSC-18498-1] c 60 N82-29013
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- RELIEF VALVES**
- Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- Zero gravity separator Patent
[NASA-CASE-XLE-00588] 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 N71-12256
- 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 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
- Remote lighting 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
- 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 35 N84-29191
- 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 Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502
- 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 N71-24884
- 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 relay synchronization 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
- Mechanical fastener
[NASA-CASE-LAR-12738-2] c 18 N84-15180
- RESCUE OPERATIONS**
- Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
- Rescue lifter 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-MSC-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 N81-29183
- 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
- RESINS**
- Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 08 N71-24739
- Bonding or repairing process
[NASA-CASE-MSC-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
- RESISTANCE**
- Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
- Variable 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-XLE-01783] c 28 N70-34175
- 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
- Split-cross-bridge-resistor for testing for proper fabrication of integrated circuit
[NASA-CASE-NPO-16021-1] c 33 N83-24769
- 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-MSC-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
- 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-XAC-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-C-11242] c 35 N78-17358
- Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15787
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1] 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**
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618
- Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284
- Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1] c 71 N84-16949
- 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-C-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
- Dual physiological rate measurement instrument
[NASA-CASE-MS-C-20078-1] c 52 N82-32971
- 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-C-16938-1] c 37 N80-23653
- Modified spiral wound retaining ring
[NASA-CASE-LAR-12381-1] 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
- 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-C-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-C-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-C-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 N84-28381
- 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
- RHOMBODS**
- 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-00184] c 15 N70-38411
- Forming tool for ribbon or wire
[NASA-CASE-XLA-05968] 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
- Arc spray fabrication of metal matrix composite monotope --- high temperature fiber-reinforced superalloy composites
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- 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
- 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-MSC-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 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
- SUPERSATURATION**
Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031
- 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-XLA-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-MS-C-16270-1] c 37 N76-27423
- 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
- A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969
- 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-MS-C-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-MS-C-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-MS-C-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
- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-1] c 37 N83-26080
- 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
- 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**
- Swept 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
- SWEPT 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
- 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
- Tnac 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-13061-1] c 33 N74-22814
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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

Thermionic-photovoltaic energy converter
 [NASA-CASE-LEW-14077-1] c 44 N84-20918

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

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 filleting 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 magneto-optic playback system
 [NASA-CASE-NPO-10872-1] c 35 N79-16246

THERMOMETERS

Platinum resistance thermometer circuit
 [NASA-CASE-MS-C-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-MS-C-18382-2] c 27 N84-14324

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
 Induction heating gun
 [NASA-CASE-LAR-12540-2] c 27 N82-24345
 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
 Induction heating gun
 [NASA-CASE-LAR-13181-1] c 33 N83-29591
 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(midesulfone) 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

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-12858-2] 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 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 wndows
 [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-MSC-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

Corrosion resistant coating
 [NASA-CASE-NPO-15928-1] c 26 N84-12289

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-13506-1] 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-NXP-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 cowl 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-12911-1] 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-00157] 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-MS-C-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-MS-C-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

THRISTORS

- 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 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
- Diced tile thermal protection for spacecraft
[NASA-CASE-MS-C-16366-1] c 24 N79-23142
- High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MS-C-18951-1] c 27 N82-26460
- Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MS-C-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-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
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MS-C-18791-1] c 37 N83-36482
- Mechanical fastener
[NASA-CASE-LAR-12738-2] c 18 N84-15180
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27888

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 MULTIPLE ACCESS

- Method for terminal position determination in Earth terminal-to-satellite burst acquisition and synchronization
[NASA-CASE-LEW-13893-1] c 32 N83-30832

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-04787] 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

- Volumetric fuel quantity gauge
[NASA-CASE-LAR-13147-1] c 35 N84-32787

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-MS-C-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

TIMING DEVICES

- 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 N84-21053

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
The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083

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-16538-1] c 37 N82-26672
Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434
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

TORQUE MOTORS

- Low speed phase-locked 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 torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
Balance torque meter 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 polymeric 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

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-locked 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 safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

TRAILING EDGES

- Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663

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 nonquid 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-10384-3] 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

TRANSFER FUNCTIONS

- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619

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-KGC-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 N83-29590

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

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 banded 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-11829-1] c 27 N78-32261

TRANSLATIONAL 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

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

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 telemetry transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Two camera 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
- Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N84-23251
- 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
- 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
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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-MSC-16777-1] c 51 N80-27067

WATER QUALITY

- Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-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-MSC-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-MSC-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-MSC-14632-1] c 54 N78-14784
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-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-MSC-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

- Diffraction 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

- A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969
- 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 SCATTERING

- Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662

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-MS-C-12395] c 09 N72-25257
- Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MS-C-12428-1] c 10 N73-25240
- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MS-C-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-MS-C-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 28 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
[NASA-CASE-NPO-15494-2] c 35 N84-22935

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
 - Maternal 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 unna
[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-MS-C-12611-1] c 12 N76-15189
 - Fluid mass sensor for a zero gravity environment
[NASA-CASE-MS-C-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-MS-C-13972-1] c 52 N74-10975
- WELD STRENGTH**
- Grain refinement control in TIG arc welding
[NASA-CASE-MS-C-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-20787-1] 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-MS-C-19095-1] c 37 N75-19683
 - Flanged major modular assembly jig
[NASA-CASE-MS-C-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

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

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

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

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
- 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 (LEWPOWERED 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 inlets 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
- Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N84-23251

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 polymers structures
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[NASA-CASE-LAR-11645-1] c 02 N77-10001
- Wingtip vortex propeller
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- System for use in conducting wake investigation for a wing in flight — differential pressure measurements for drag investigations
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- Means for controlling aerodynamically induced twist
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- Decoupler pylon wing/store flutter suppressor
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- Piezoelectric deicing device
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[NASA-CASE-XLE-00020] c 15 N70-33226

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[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

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[NASA-CASE-GSC-12652-1] c 52 N84-34913

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[NASA-CASE-XNP-08961] c 14 N71-24809

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[NASA-CASE-XLE-00953] c 15 N71-15966

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[NASA-CASE-XMS-02383] 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

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[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

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[NASA-CASE-MSC-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

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[NASA-CASE-ARC-11174-1] c 24 N81-13999

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[NASA-CASE-NPO-10595] c 10 N71-25917

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[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

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[NASA-CASE-MSC-19693-1] c 26 N78-24333

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[NASA-CASE-ARC-10198] c 34 N78-17336

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[NASA-CASE-NPO-15015-1] c 25 N82-28368

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[NASA-CASE-LEW-12253-1] c 74 N83-19596

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[NASA-CASE-NPO-13059-1] c 37 N76-20480

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[NASA-CASE-NPO-13541-1] c 37 N79-14383

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[NASA-CASE-MFS-20243] c 23 N73-13662

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[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

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[NASA-CASE-GSC-12263-1] c 74 N79-20857

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[NASA-CASE-MSC-20418-1] c 37 N83-17882

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[NASA-CASE-MFS-21931-1] c 37 N75-26372

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[NASA-CASE-GSC-12682-1] c 35 N84-33765

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[NASA-CASE-XHQ-04106] c 14 N70-40240

Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866

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[NASA-CASE-MFS-22409-2] c 74 N78-15880

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[NASA-CASE-NPO-11978] c 31 N78-17238

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Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350

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[NASA-CASE-MSC-12662-1] c 33 N79-12331

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[NASA-CASE-LAR-11970-2] c 08 N81-19130

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[NASA-CASE-LEW-12542-3] c 26 N80-32484

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[NASA-CASE-XGS-00619] c 30 N70-40016

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Improved thermal barrier coating system
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[NASA-CASE-XNP-01961] c 26 N71-29156

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

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[NASA-CASE-LEW-12245-1] c 26 N77-20201

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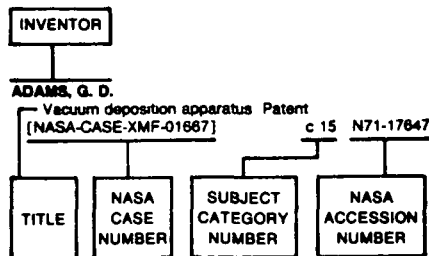
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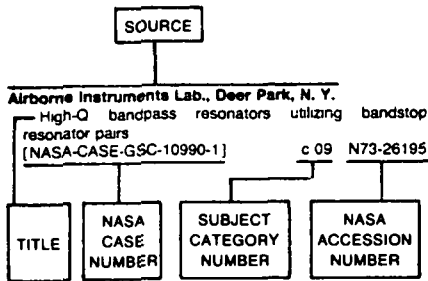
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[NASA-CASE-ARC-10992-1] c 26 N78-32229
Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169

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Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
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[NASA-CASE-XNP-04167-3] c 36 N77-19416

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[NASA-CASE-GSC-11394-1] c 09 N73-32109

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[NASA-CASE-XLA-00189] c 33 N70-36846
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[NASA-CASE-XMF-01083] c 15 N71-22723
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[NASA-CASE-XLA-00188] c 15 N71-22874

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[NASA-CASE-LAR-12958-1] c 44 N84-23019

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[NASA-CASE-MFS-14253] c 33 N71-24858
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[NASA-CASE-XMF-04208] c 33 N71-29051

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[NASA-CASE-GSC-10667-1] c 10 N71-33129
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[NASA-CASE-MFS-23862-1] c 48 N80-18667

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[NASA-CASE-GSC-12808-1] c 25 N85-21279

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[NASA-CASE-HQN-10792-1] c 33 N74-11049

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[NASA-CASE-ERC-10468] c 09 N72-20206

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[NASA-CASE-XGS-01674] c 03 N71-29129
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[NASA-CASE-GSC-11074-1] c 14 N73-28489

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[NASA-CASE-MFS-23405-1] c 26 N77-29260

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Portable environmental control system Patent
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[NASA-CASE-LAR-10270-1] c 32 N72-25877
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[NASA-CASE-MSC-13335-1] c 06 N72-31140
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[NASA-CASE-MSC-11072] c 54 N74-32546
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[NASA-CASE-XLE-00586] c 15 N71-15968
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[NASA-CASE-LEW-12419-1] c 07 N77-14025
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 [NASA-CASE-LEW-12313-1] c 37 N78-10468
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 [NASA-CASE-LEW-12317-1] c 07 N78-17055
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 [NASA-CASE-LEW-12390-1] c 07 N78-17056
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 [NASA-CASE-LEW-12793-1] c 37 N79-11403
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 [NASA-CASE-LEW-12389-3] c 07 N79-14096
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 [NASA-CASE-LEW-12378-1] c 07 N79-14097
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 [NASA-CASE-LEW-12658-1] c 71 N79-14871
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 [NASA-CASE-LEW-12971-1] c 07 N80-18039
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 [NASA-CASE-LEW-12907-2] c 07 N81-19115
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 [NASA-CASE-LEW-14586-1] c 07 N83-31603
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 [NASA-CASE-LEW-13142-1] c 07 N83-36029
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 [NASA-CASE-LEW-13654-1] c 07 N84-22560
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 [NASA-CASE-MS-C-13917-1] c 05 N72-15098
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[NASA-CASE-NPO-10301] c 07 N72-11148
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[NASA-CASE-NPO-11377] c 15 N73-27406
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[NASA-CASE-MFS-22411-1] c 37 N74-21058
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[NASA-CASE-GSC-11353-1] c 74 N74-21304
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[NASA-CASE-GSC-12059-1] c 35 N77-27366
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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

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[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

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[NASA-CASE-MSC-13281] c 31 N72-18859

Solar energy powered heliostole

[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

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[NASA-CASE-LAR-12624-1] c 01 N83-35992

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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, 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

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[NASA-CASE-XKS-02342] c 05 N71-11199

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[NASA-CASE-MSC-13512-1] c 15 N72-22485

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[NASA-CASE-MSC-13907-1] c 10 N73-26230

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[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

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Method and apparatus for optical modulating a light signal Patent

[NASA-CASE-GSC-10216-1] c 23 N71-26722

Massachusetts Inst. of Tech., Cambridge.

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[NASA-CASE-XMS-03537] c 15 N69-21471

Hydraulic drive mechanism Patent

[NASA-CASE-XMS-03252] c 15 N71-10658

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[NASA-CASE-XMS-00945] c 09 N71-10788

Method and apparatus for stabilizing a gaseous optical maser Patent

[NASA-CASE-XGS-03644] c 16 N71-18614

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[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

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[NASA-CASE-HQN-10541-4] c 16 N71-27183

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[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

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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

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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

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Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643

Reaction of fluorine 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

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[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

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[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

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[NASA-CASE-XLE-01481] c 14 N71-10781

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Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449

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[NASA-CASE-XMS-04533] c 15 N71-23086

Metcom, Inc., Salem, Mass.

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[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

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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

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Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365

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[NASA-CASE-NPO-14588-1] c 32 N81-25278

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Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237

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[NASA-CASE-XMF-03988] c 15 N71-21403

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[NASA-CASE-MFS-21040-1] c 06 N73-30098

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[NASA-CASE-LAR-10686] c 14 N71-28935

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Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783

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Means for accommodating large overstrain in lead wires
[NASA-CASE-LAR-10168-1] c 33 N74-22865

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Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

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Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256

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[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

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[NASA-CASE-MSC-12168-1] c 09 N71-18600

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[NASA-CASE-MFS-14322] c 08 N71-18692

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[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

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[NASA-CASE-NPO-14311-1] c 33 N82-29539

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Narco Scientific, Houston, Tex.

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[NASA-CASE-MSC-20078-1] c 52 N82-32971

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[NASA-CASE-MFS-21433] c 09 N73-20232

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[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

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[NASA-CASE-ARC-11243-2] c 23 N80-31472

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[NASA-CASE-ARC-11258-1] c 52 N80-33081

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[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 bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272

Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

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

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[NASA-CASE-GSC-12223-1] c 60 N83-25378

Non-invasive method and apparatus for measuring pressure within a pleable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991

Polymers of phosphonylmethyl-2,4- and -2,6-diamino benzenes and the like
[NASA-CASE-ARC-11506-1] c 27 N84-12313

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

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[NASA-CASE-XGS-02401] c 14 N69-27485

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[NASA-CASE-ERC-10179] c 07 N72-20141

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[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

Display system
[NASA-CASE-ERC-10350] c 14 N73-20474

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
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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	Gyrator 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-ARC-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
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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
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National Aeronautics and Space Administration, Ames Research Center, Moffett Field, Calif.								
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Temperature compensated solid state differential amplifier Patent [NASA-CASE-XAC-00435]	c 09	N70-35440	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
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Analog-to-digital conversion system Patent [NASA-CASE-XAC-00404]	c 08	N70-40125	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
Null-type vacuum microbalance Patent [NASA-CASE-XAC-00472]	c 15	N70-40180	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
Thermo-protective device for balances Patent [NASA-CASE-XAC-00648]	c 14	N70-40400	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
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Electric arc device for heating gases Patent [NASA-CASE-XAC-00319]	c 25	N70-41628	Device for measuring pressure Patent [NASA-CASE-XAC-04458]	c 14	N71-24232	Micrometeoroid analyzer [NASA-CASE-ARC-10443-1]	c 14	N73-20477
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[NASA-CASE-ARC-10278-1] c 14 N73-25463
- Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02, N73-26005
- Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
- Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
- Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
- Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Flexible fire retardant polysocyanate modified neoprene foam
[NASA-CASE-ARC-10180-1] c 27 N74-12814
- 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
- Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- Ultrasonic biomedical measuring and recording apparatus
[NASA-CASE-ARC-10597-1] c 52 N74-20726
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- High speed shutter
[NASA-CASE-ARC-10516-1] c 70 N74-21300
- Bio-isolated dc operational amplifier
[NASA-CASE-ARC-10596-1] c 33 N74-21851
- Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- 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
- Photomultiplier circuit including means for rapidly reducing the sensitivity thereof
[NASA-CASE-ARC-10593-1] c 33 N74-27682
- G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806] c 06 N74-27872
- Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- 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
- Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
- Continuous Fourier transform method and apparatus
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- Signal conditioning circuit apparatus
[NASA-CASE-ARC-10348-1] c 33 N75-19518
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- Reversed cowl flap inlet thrust augmentor
[NASA-CASE-ARC-10754-1] c 07 N75-24736
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
- Rotary plant growth accelerating apparatus
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915
- Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- Electrc arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
- NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
- Diatomic infrared gasdynamic laser
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- Transparent fire resistant polymenc structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
- Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- 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
- Tnelectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
- Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- System for measuring Reynolds in a turbulently flowing fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517
- Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
- 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
- Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- 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
- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
- Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- Selective data segment monitoring system
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- Metallic hot wire anemometer
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- 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
- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Multi-chamber controllible heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- Full color hybrid display for aircraft simulators
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466
- Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- Tread drum for animals
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- Polymenc foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
- 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 echosonomer
[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-11056-2] 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 N80-26298
- An improved synthesis of 2,4,8,10-tetroxaspiro (5,5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
- 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 polyiazines 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
- Carboranylchlorophosphazenes 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 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
- 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
- Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663
- 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 - (dialkoxyposphonyl)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
- Polymers of phosphonylmethyl-2,4- and -2,6-diamino benzenes and the like
[NASA-CASE-ARC-11506-1] c 27 N84-12313
- 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-((dialkoxyposphonyl)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 cyclophosphazenes
[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
- Carboranyl-methylene-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
- Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 51 N84-23093
- 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
- Metal (1:1) 4,4',4''-phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-21361
- Fire resistant polymers based on 1-(diorgano oxyposphonyl)methyl-2,4- and 2,6-diamino benzenes
[NASA-CASE-ARC-11512-2] c 27 N85-21362
- Fire-resistant phosphorus containing compounds, polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-21363
- Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyposphonyl)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
- National Aeronautics and Space Administration. Hugh L. Dryden 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 attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18038
- 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
- Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
- Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- Electrical servo actuator bracket
[NASA-CASE-FRC-11044-1] c 37 N81-33483

- 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
- Multiple pure tone elimination strut assembly
[NASA-CASE-FRC-11062-1] c 71 N82-16800
- Apparatus for damping operator induced oscillations of a controlled system
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
- Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- 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
- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- 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
- A method for the deposition of beta-silicon carbide by isoelectrolysis
[NASA-CASE-ERC-10120] c 26 N69-33482
- Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
- 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 means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
- Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- 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
- Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
- Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
- Array phasing device Patent
[NASA-CASE-ERC-10048] c 10 N71-18722
- Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
- Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- 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
- Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
- 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
- Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
- Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
- A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
- Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
- Onifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- 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
- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
- Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173
- Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
- National Aeronautics and Space Administration. Flight Research Center, Edwards, Calif.**
- Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
- Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
- Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
- Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
- Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- Terminal guidance system
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- 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
- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- 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
- Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
- Length controlled stabilized mode-lock ND YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Gregonan all-refractive 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
- Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
- Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309
- Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
- Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
- Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
- Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- National Aeronautics and Space Administration.**
Goddard Space Flight Center, Greenbelt, Md.
- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
- Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
- Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
- Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
- Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- 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
- Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
- Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
- Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
- Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
- Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- Variable frequency magnetic multivibrator Patent
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- Switching mechanism with energy storage means Patent
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[NASA-CASE-XGS-00131] c 09 N70-38995
- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
- Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
- Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
- Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- 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
- Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
- Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
- Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- Altitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- 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
- Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
- Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
- Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
- Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
- Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
- Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
- Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04768] c 08 N71-18602
- Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
- Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- 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
- Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
- Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
- Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
- Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
- Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
- Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
- Foamed in place ceramic refractory insulating material Patent
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Sulfone-ester polymers containing pendent ethynyl groups
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Ethynyl-terminated ester oligomers and polymers therefrom
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Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 35 N84-29191

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A system for controlling the oxygen content of a gas produced by combustion
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Technique for measuring gas conversion factors
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Volumetric fuel quantity gauge
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Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

Curved cap corrugated sheet
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Model mount system for testing flutter
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Process for improving mechanical properties of epoxy resins by addition of cobalt ions
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Melt-flow-toughness modified polyimide
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Remote pivot decoupler pyton Wing/store suppression
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Leading edge flap system for aircraft control augmentation
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Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
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Process for preparing solvent resistant, thermoplastic aromatic poly(methacrylate)
[NASA-CASE-LAR-12858-2] c 27 N85-20124

Hot melt adhesive attachment pad
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Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N85-20128

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

Comparator with noise suppression
[NASA-CASE-LAR-13151-1] c 33 N85-20247

Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295

Liquid thickness gage
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Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147

Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

Elastomer toughened polyimide adhesives
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Process for preparing highly optically transparent-colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N85-21380

Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441

Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568

A two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13284-1] c 35 N85-21610

Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651

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Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362

Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466

Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542

Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191

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

Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890

Tnode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983

Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988

Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226

Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241

Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264

Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265

High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278

High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283

Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284

Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288

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

Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330

Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356

External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372

Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375

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[NASA-CASE-XLE-00101] c 15 N70-33376

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[NASA-CASE-XLE-00010] c 15 N70-33382

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[NASA-CASE-XLE-00212] c 03 N70-34134

Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156

Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175

Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247

Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294

High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545

Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812

Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818

Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844

Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859

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

High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368

Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422

Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411

Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412

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[NASA-CASE-XLE-00397] c 15 N70-36492

Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535

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

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[NASA-CASE-XLE-00145] c 28 N70-36806

Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245

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[NASA-CASE-XLE-00222] c 02 N70-37939

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Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020

Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197

Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198

Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199

Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490

Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505

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

Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711

Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895

Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897

Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899

High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925

Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124

Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201

Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234

Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367

Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576

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[NASA-CASE-XLE-00150] c 28 N70-41818

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[NASA-CASE-XLE-02998] c 14 N70-42074

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[NASA-CASE-XLE-01609] c 14 N71-10500

Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560

Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574

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[NASA-CASE-XLE-04677] c 15 N71-10577

Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772

Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777

Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797

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[NASA-CASE-LEW-10364-1] c 09 N71-13522

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[NASA-CASE-XLE-03307] c 33 N71-14035

Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

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Method and apparatus for making curved reflectors Patent					
[NASA-CASE-XLE-08917]	c 15	N71-15597			
Method of making a diffusion bonded refractory coating Patent					
[NASA-CASE-XLE-01604-2]	c 15	N71-15610			
Black-body furnace Patent					
[NASA-CASE-XLE-01399]	c 33	N71-15625			
Method of igniting solid propellants Patent					
[NASA-CASE-XLE-01988]	c 27	N71-15634			
Fluid dispensing apparatus and method Patent					
[NASA-CASE-XLE-01182]	c 27	N71-15635			
Automatically deploying nozzle exit cone extension Patent					
[NASA-CASE-XLE-01640]	c 31	N71-15637			
High temperature cobalt-base alloy Patent					
[NASA-CASE-XLE-00726]	c 17	N71-15644			
Method of making a rocket motor casing Patent					
[NASA-CASE-XLE-00409]	c 28	N71-15658			
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High temperature cobalt-base alloy Patent					
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[NASA-CASE-XLE-02082]	c 17	N71-16026			
Method of improving the reliability of a rolling element system Patent					
[NASA-CASE-XLE-02999]	c 15	N71-16052			
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[NASA-CASE-XLE-00106]	c 15	N71-16076			
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[NASA-CASE-XLE-00785]	c 33	N71-16104			
Method of making self lubricating fluoride-metal composite materials Patent					
[NASA-CASE-XLE-08511-2]	c 18	N71-16105			
Thrust and direction control apparatus Patent					
[NASA-CASE-XLE-03583]	c 31	N71-17629			
Linear magnetic brake with two windings Patent					
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[NASA-CASE-XLE-09527]	c 15	N71-17688			
Hot wire liquid level detector for cryogenic fluids Patent					
[NASA-CASE-XLE-00454]	c 23	N71-17802			
Pulsed differential comparator circuit Patent					
[NASA-CASE-XLE-03804]	c 10	N71-19471			
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[NASA-CASE-XLE-05130-2]	c 15	N71-19570			
Generator for a space power system Patent					
[NASA-CASE-XLE-04250]	c 09	N71-20446			
Method of making electrical contact on silicon solar cell and resultant product Patent					
[NASA-CASE-XLE-04787]	c 03	N71-20492			
Small plasma probe Patent					
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Combined electrolysis device and fuel cell and method of operation Patent					
[NASA-CASE-XLE-01645]	c 03	N71-20904			
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent					
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[NASA-CASE-XLE-04603]	c 33	N71-21507			
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Plasma device feed system Patent					
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[NASA-CASE-XLE-01092]	c 15	N71-22797			
Cryogenic insulation system Patent					
[NASA-CASE-XLE-04222]	c 23	N71-22881			
Method for producing fiber reinforced metallic composites Patent					
[NASA-CASE-XLE-03925]	c 18	N71-22894			
Thermal shock apparatus Patent					
[NASA-CASE-XLE-02024]	c 14	N71-22964			
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[NASA-CASE-XLE-04788]	c 09	N71-22987			
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[NASA-CASE-XLE-04501]	c 09	N71-23190			
High temperature ferromagnetic cobalt-base alloy Patent					
[NASA-CASE-XLE-03629]	c 17	N71-23248			
Induction furnace with perforated tungsten foil shielding Patent					
[NASA-CASE-XLE-04026]	c 14	N71-23267			
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			
Superconducting alternator Patent					
[NASA-CASE-XLE-02823]	c 09	N71-23443			
Silicon solar cell with cover glass bonded to cell by metal pattern Patent					
[NASA-CASE-XLE-08569]	c 03	N71-23449			
Analytical test apparatus and method for determining oxide content of alkali metal Patent					
[NASA-CASE-XLE-01997]	c 06	N71-23527			
Thermionic converter with current augmented by self induced magnetic field Patent					
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Semiconductor material and method of making same Patent					
[NASA-CASE-XLE-02798]	c 26	N71-23654			
Insulation system Patent					
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[NASA-CASE-XLE-08511]	c 18	N71-23710			
Alloys for bearings Patent					
[NASA-CASE-XLE-05033]	c 15	N71-23810			
Extrusion die for refractory metals Patent					
[NASA-CASE-XLE-06773]	c 15	N71-23817			
Combustion chamber Patent					
[NASA-CASE-XLE-04857]	c 28	N71-23968			
Metallic film diffusion for boundary lubrication Patent					
[NASA-CASE-XLE-10337]	c 15	N71-24046			
Process for producing dispersion strengthened nickel with aluminum Patent					
[NASA-CASE-XLE-06969]	c 17	N71-24142			
Thermal radiation shielding Patent					
[NASA-CASE-XLE-03432]	c 33	N71-24145			
Method of attaching a cover glass to a silicon solar cell Patent					
[NASA-CASE-XLE-08569-2]	c 03	N71-24681			
Rocket engine injector Patent					
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Multialarm summary alarm Patent					
[NASA-CASE-XLE-03061-1]	c 10	N71-24798			
Apparatus for making curved reflectors Patent					
[NASA-CASE-XLE-08917-2]	c 15	N71-24836			
Flow angle sensor and read out system Patent					
[NASA-CASE-XLE-04503]	c 14	N71-24864			
Shock tube powder dispersing apparatus Patent					
[NASA-CASE-XLE-04946]	c 17	N71-24911			
Pneumatic oscillator Patent					
[NASA-CASE-XLE-10345-1]	c 10	N71-25899			
Heat activated cell with alkali anode and alkali salt electrolyte Patent					
[NASA-CASE-XLE-11358]	c 03	N71-26084			
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent					
[NASA-CASE-XLE-03940]	c 18	N71-26153			
Ion beam deflector Patent					
[NASA-CASE-XLE-10689-1]	c 28	N71-26173			
Rolling element bearings Patent					
[NASA-CASE-XLE-09527-2]	c 15	N71-26189			
Ion thruster accelerator system Patent					
[NASA-CASE-XLE-10106-1]	c 28	N71-26642			
Propellant feed isolator Patent					
[NASA-CASE-XLE-10210-1]	c 28	N71-26781			
Heat activated cell Patent					
[NASA-CASE-XLE-11359]	c 03	N71-28579			
Process for glass coating an ion accelerator grid Patent					
[NASA-CASE-XLE-10278-1]	c 15	N71-28582			
Fluid jet amplifier Patent					
[NASA-CASE-XLE-09341]	c 12	N71-28741			
Gas core nuclear reactor Patent					
[NASA-CASE-XLE-10250-1]	c 22	N71-28759			
Gas turbine combustor Patent					
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Cyclic switch Patent					
[NASA-CASE-XLE-10155-1]	c 09	N71-29035			
Temperature reducing coating for metals subject to flame exposure Patent					
[NASA-CASE-XLE-00035]	c 33	N71-29151			
Liquid spray cooling method Patent					
[NASA-CASE-XLE-00027]	c 33	N71-29152			
Turbo-machine blade vibration damper Patent					
[NASA-CASE-XLE-00155]	c 28	N71-29154			
Corrosion resistant beryllium Patent					
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[NASA-CASE-XER-09521]	c 09	N72-12136			
Sensing probe					
[NASA-CASE-XLE-10281-1]	c 14	N72-17327			
Method of making emf cell					
[NASA-CASE-XLE-11359-2]	c 03	N72-20034			
Gaseous control system for nuclear reactors					
[NASA-CASE-XLE-04599]	c 22	N72-20597			
Switching regulator					
[NASA-CASE-XLE-11005-1]	c 09	N72-21243			
Saturation current protection apparatus for saturable core transformers					
[NASA-CASE-ERC-10075-2]	c 09	N72-22196			
Pulse coupling circuit					
[NASA-CASE-XLE-10433-1]	c 09	N72-22197			
Solid state remote circuit selector switch					
[NASA-CASE-XLE-10387]	c 09	N72-22201			
Load-insensitive electrical device					
[NASA-CASE-XER-11046]	c 09	N72-22203			
High speed rolling element bearing					
[NASA-CASE-XLE-10856-1]	c 15	N72-22490			
Production of metal powders					
[NASA-CASE-XLE-06461]	c 17	N72-22530			
Nickel base alloy					
[NASA-CASE-XLE-10874-1]	c 17	N72-22535			
Ion thruster magnetic field control					
[NASA-CASE-XLE-10835-1]	c 28	N72-22771			
Electrically conductive fluorocarbon polymer					
[NASA-CASE-XLE-06774-2]	c 06	N72-25150			
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			
Angular velocity and acceleration measuring apparatus					
[NASA-CASE-ERC-10292]	c 14	N72-25410			
Electrical insulating layer process					
[NASA-CASE-XLE-10489-1]	c 15	N72-25447			
Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering					
[NASA-CASE-XLE-10450-1]	c 15	N72-25448			
Selective nickel deposition					
[NASA-CASE-XLE-10965-1]	c 15	N72-25452			
Method of making fiber composites					
[NASA-CASE-XLE-10424-2-2]	c 18	N72-25539			
Electricity measurement devices employing liquid crystalline materials					
[NASA-CASE-ERC-10275]	c 26	N72-25680			
Ablative system					
[NASA-CASE-XLE-10359]	c 33	N72-25911			
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Apparatus for producing metal powders					
[NASA-CASE-XLE-06461-2]	c 17	N72-28535			
Refractory metal base alloy composites					
[NASA-CASE-XLE-03940-2]	c 17	N72-28536			
Spiral groove seal					
[NASA-CASE-XLE-10326-2]	c 15	N72-29488			
Production of high purity I-123					
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Electrostatic collector for charged particles					
[NASA-CASE-XLE-11192-1]	c 09	N73-13208			
Method of making apparatus for sensing temperature					
[NASA-CASE-XLE-05230-2]	c 14	N73-13417			
Method of forming superalloys					
[NASA-CASE-XLE-10805-1]	c 15	N73-13465			
Rocket thrust throttling system					
[NASA-CASE-XLE-10374-1]	c 28	N73-13773			
Gas turbine engine fuel control					
[NASA-CASE-XLE-11187-1]	c 28	N73-19793			

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	Blade retainer assembly [NASA-CASE-LEW-12608-1]	c 07	N77-27116
Swirl can primary combustor [NASA-CASE-LEW-11326-1]	c 23	N73-30665	Method of making dished ion thruster grids [NASA-CASE-LEW-11694-1]	c 20	N75-18310	Hybrid composite laminate structures [NASA-CASE-LEW-12118-1]	c 24	N77-27188
Enhanced diffusion welding [NASA-CASE-LEW-11388-1]	c 15	N73-32358	Duplex aluminumized coatings [NASA-CASE-LEW-11696-2]	c 26	N75-19408	Bimetallic junctions [NASA-CASE-LEW-11573-1]	c 26	N77-28265
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	Sustained arc ignition system [NASA-CASE-LEW-12444-1]	c 33	N77-28385
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	Hydrostatic bearing support [NASA-CASE-LEW-11158-1]	c 37	N77-28486
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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	Nickel base alloy [NASA-CASE-LEW-12270-1]	c 26	N77-32280
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	Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance [NASA-CASE-LEW-12050-1]	c 35	N77-32454
Spiral groove seal [NASA-CASE-LEW-10326-3]	c 37	N74-10474	Ophthalmic liquifaction pump [NASA-CASE-LEW-12051-1]	c 52	N75-33640	Spatial filter for Q-switched lasers [NASA-CASE-LEW-12164-1]	c 36	N77-32478
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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	Impact absorbing blade mounts for variable pitch blades [NASA-CASE-LEW-12313-1]	c 37	N78-10468
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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	Gas turbine engine with convertible accessories [NASA-CASE-LEW-12390-1]	c 07	N78-17056
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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	Automotive gas turbine fuel control [NASA-CASE-LEW-12785-1]	c 37	N78-24545
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- Direct heating surface combustor
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- 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
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- 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
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- Method and device for the detection of phenol and related compounds
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- 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
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- Supercharged topping rocket propellant feed system
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- Self-reconfiguring solar cell system
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- 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
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- Intra-ocular pressure normalization technique and equipment
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- 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
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- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
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[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-23169-2] 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
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
- 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
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National Aeronautics and Space Administration.
National Space Technology Labs., Bay Saint Louis, Miss.

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National Aeronautics and Space Administration.
Pasadena Office, Calif.

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- Thin film strain transducer
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- National Research Corp., Cambridge, Mass.**
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- Laser apparatus
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[NASA-CASE-XMS-06876] c 15 N71-21536
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[NASA-CASE-XNP-01310] c 33 N71-28852
- Propellant tank pressurization system Patent
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- North American Aviation, Inc., Los Angeles, Calif.**
- Method and system for respiration analysis Patent
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- North American Aviation, Inc., Torrance, Calif.**
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- North American Aviation, Inc., Woodland Hills, Calif.**
- Fluid pressure balanced seal
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- North American Rockwell Corp., Canoga Park, Calif.**
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- Apparatus for remote handling of materials
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- Apparatus for testing wiring harness by vibration generating means
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- Thermal shock resistant hafnia ceramic material
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- Northrop Services, Inc., Los Angeles, Calif.**
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- Northrop Space Labs., Hawthorne, Calif.**
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[NASA-CASE-NPO-10051] c 18 N71-24934
- Nortronics, Palos Verdes Peninsula, Calif.**
- Flexible conductive disc electrode Patent
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- 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
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- Azine polymers and process for preparing the same Patent
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- Synthesis of polymers schiff bases by reaction of acetals and amine compounds Patent
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- Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
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- Oakland Univ., Rochester, Mich.**
- Optical process for producing classification maps from multispectral data
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- 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
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- Ohio State Univ., Columbus.**
- Horn antenna having V-shaped corrugated slots
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- Distributed-switch Dicke radiometers
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- Old Dominion Univ., Norfolk, Va.**
- Instrumentation for measuring aircraft noise and sonic boom
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- Differential sound level meter
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- High-temperature microphone system
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- Aerodynamic side-force alleviator means
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- Leading edge vortex flaps for drag reduction
[NASA-CASE-LAR-12750-1] c 02 N81-19016
- Leading edge flap system for aircraft control augmentation
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- Oregon Univ., Portland.**
- Method for separating biological cells
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- PCR, Inc., Gainesville, Fla.**
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[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Peninsular ChemResearch, Inc., Gainesville, Fla.**
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- Pennsylvania State Univ., University Park.**
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[NASA-CASE-MSC-12165-1] c 07 N71-33696
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[NASA-CASE-GSC-11046-1] c 07 N73-28013
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- Phoenix Corp., McLean, Va.**
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- Pittsburgh Univ., Pa.**
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- Planning Research Corp., McLean, Va.**
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[NASA-CASE-KSC-11023-1] c 32 N79-23310
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[NASA-CASE-XMS-01620] c 23 N71-15673
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[NASA-CASE-XMS-01618] c 14 N71-20741
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[NASA-CASE-XMS-01625] c 15 N71-23022
- Proteon Associates, Inc., Waltham, Mass.**
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[NASA-CASE-GSC-12892-1] c 32 N85-20226
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[NASA-CASE-XGS-00963] c 15 N69-39735
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[NASA-CASE-XMS-03700] c 15 N69-24266
Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
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[NASA-CASE-XGS-02816] c 07 N69-24323
Radiation resistant silicon semiconductor devices Patent
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[NASA-CASE-XNP-06028] c 09 N71-23189
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[NASA-CASE-XNP-01068] c 10 N71-28739
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[NASA-CASE-XGS-01395] c 03 N69-21539
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[NASA-CASE-NPO-10109] c 03 N71-11049
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[NASA-CASE-XMS-03454] c 09 N71-20658
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[NASA-CASE-GSC-10064-1] c 10 N72-22235
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[NASA-CASE-XNP-08124-2] c 06 N73-13129
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Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14849-1] 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
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[NASA-CASE-NPO-14297-1] c 33 N81-19389
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[NASA-CASE-MSC-18578-1] c 32 N85-21427
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[NASA-CASE-XNP-02389] c 07 N71-26900
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[NASA-CASE-XNP-03744] c 10 N71-20448
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[NASA-CASE-MFS-21244-1] c 36 N75-15028
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[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.**
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- Research Triangle Inst., Durham, N. C.**
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- Rochester General Hospital, N. Y.**
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[NASA-CASE-MFS-25740-1] c 52 N84-11744
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[NASA-CASE-NPO-10070] c 15 N71-27372
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[NASA-CASE-XNP-00816] c 28 N71-28928
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[NASA-CASE-NPO-10417] c 16 N71-33410
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- Rockwell International Corp., Anaheim, Calif.**
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- Rockwell International Corp., Canoga Park, Calif.**
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- Rockwell International Corp., Downey, Calif.**
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[NASA-CASE-NPO-11036] c 15 N72-24522
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[NASA-CASE-XMS-10269] c 05 N71-24147
- Ryan Aeronautical Co., San Diego, Calif.**
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- Indomethacin-anthistamine combination for gastric ulceration control
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- Sanders Associates, Inc., Nashua, N. H.**
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- System for measuring Reynolds in a turbulently flowing fluid
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- Scott Aviation Corp., Lancaster, N. Y.**
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- Serv-Air, Inc., Edwards, Calif.**
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Method and apparatus for prepping multiconductor cable with flat conductors
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- Edge coating of flat wires
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- Solid State Radiations, Inc., Los Angeles, Calif.**
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[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
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[NASA-CASE-WLP-10055-2] c 35 N85-21598
- Space Sciences, Inc., Waltham, Mass.**
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[NASA-CASE-HQN-10740-1] c 72 N74-19310
- Space Technology Labs., Inc., Redondo Beach, Calif.**
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- 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-XNP-00826] c 03 N71-20895
- Prestressed refractory structure Patent
[NASA-CASE-XNP-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-XNP-03972] c 15 N71-23048
- Compensating bandwidth switching transients in an amplifier circuit Patent
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- Spaco, Inc., Huntsville, Ala.**
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- Method and device for detecting voids in low density material Patent
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- Spectra-Physics, Inc., Mountain View, Calif.**
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[NASA-CASE-XGS-04879] c 14 N71-20428
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- Central spar and module joint Patent
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- Sperry Corp., Phoenix, Ariz.**
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[NASA-CASE-MFS-25981-1] c 35 N85-20299
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[NASA-CASE-XMS-05307] c 09 N69-24330
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- Collapsible antenna boom and transmission line Patent
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- Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
- Frequency division multiplex technique
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- Device for configuring multiple leads
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- System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
- Remotely operable articulated manipulator
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- Photovoltaic cell array
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- Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
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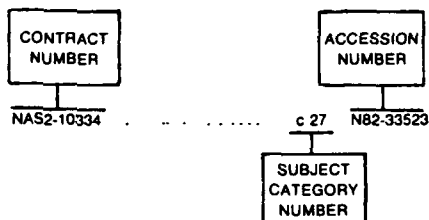
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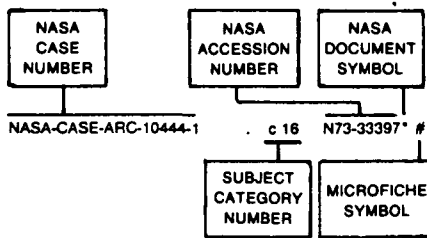
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NASA-CASE-XLE-04503	c 14	N71-24864 *	NASA-CASE-XMF-01402	c 18	N71-21651 *	NASA-CASE-XMF-06617	c 09	N71-24843 *
NASA-CASE-XLE-04526	c 03	N71-11052 * #	NASA-CASE-XMF-01452	c 15	N70-41371 * #	NASA-CASE-XMF-06884-1	c 20	N79-21123 * #
NASA-CASE-XLE-04535	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	N70-34182 * #	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-08222	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 * #
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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-05693	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 *
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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 *
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NASA-CASE-XLE-09527	c 15	N71-17688 *	NASA-CASE-XMF-03074	c 06	N71-24740 *	NASA-CASE-XMS-00907	c 02	N70-41630 * #
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NASA-CASE-XLE-10337	c 18	N71-24046 *	NASA-CASE-XMF-03212	c 15	N71-22721 *	NASA-CASE-XMS-01077-1	c 37	N79-33467 * #
NASA-CASE-XLE-103477-1	c 25	N71-20330 *	NASA-CASE-XMF-03248	c 11	N71-10604 * #	NASA-CASE-XMS-01108	c 15	N69-24322 * #
NASA-CASE-XLE-10453-2	c 28	N73-27699 * #	NASA-CASE-XMF-03287	c 15	N71-15607 * #	NASA-CASE-XMS-01115	c 05	N70-39922 * #
NASA-CASE-XLE-10466	c 17	N69-25147 * #	NASA-CASE-XMF-03290	c 15	N71-23256 *	NASA-CASE-XMS-01177	c 05	N71-19440 *
NASA-CASE-XLE-10529	c 14	N69-23191 * #	NASA-CASE-XMF-03498	c 15	N71-15986 *	NASA-CASE-XMS-01240	c 05	N70-35152 * #
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NASA-CASE-XLE-10717	c 37	N75-29426 * #	NASA-CASE-XMF-03793	c 15	N71-24833 *	NASA-CASE-XMS-01295-1	c 37	N79-21345 * #
NASA-CASE-XLE-10910	c 18	N71-29040 *	NASA-CASE-XMF-03844-1	c 14	N71-26474 *	NASA-CASE-XMS-01315	c 09	N70-41675 * #
NASA-CASE-XLE-2529-2	c 36	N75-27364 * #	NASA-CASE-XMF-03856	c 31	N70-34159 * #	NASA-CASE-XMS-01330	c 37	N75-27376 * #
NASA-CASE-XLE-2529-3	c 33	N74-20859 * #	NASA-CASE-XMF-03873	c 06	N69-39733 * #	NASA-CASE-XMS-01445	c 12	N71-16031 * #
			NASA-CASE-XMF-03934	c 09	N71-22985 *	NASA-CASE-XMS-01492	c 05	N70-41297 * #
NASA-CASE-XMF-00148	c 28	N70-38710 * #	NASA-CASE-XMF-03968	c 14	N71-27186 *	NASA-CASE-XMS-01546	c 14	N70-40233 * #
NASA-CASE-XMF-00185	c 21	N70-34539 * #	NASA-CASE-XMF-03988	c 15	N71-21403 *	NASA-CASE-XMS-01554	c 10	N71-10578 * #
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NASA-CASE-XMF-00341	c 15	N70-33323 *	NASA-CASE-XMF-04133	c 06	N71-20717 *	NASA-CASE-XMS-01620	c 23	N71-15673 *
NASA-CASE-XMF-00369	c 09	N70-36494 * #	NASA-CASE-XMF-04134	c 14	N71-23755 *	NASA-CASE-XMS-01624	c 15	N70-40062 * #
NASA-CASE-XMF-00375	c 15	N70-34249 * #	NASA-CASE-XMF-04163	c 02	N71-23007 *	NASA-CASE-XMS-01625	c 15	N71-23022 *
NASA-CASE-XMF-00389	c 31	N70-34176 * #	NASA-CASE-XMF-04208	c 33	N71-29051 *	NASA-CASE-XMS-01816	c 33	N71-15623 *
NASA-CASE-XMF-00392	c 15	N70-34814 * #	NASA-CASE-XMF-04237	c 33	N71-16278 *	NASA-CASE-XMS-01905	c 12	N71-21089 *
NASA-CASE-XMF-00411	c 11	N70-36913 * #	NASA-CASE-XMF-04238	c 09	N69-39734 * #	NASA-CASE-XMS-01906	c 31	N70-41373 * #
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NASA-CASE-XMF-00424	c 09	N70-38196 * #	NASA-CASE-XMF-04415	c 14	N71-24693 *	NASA-CASE-XMS-01994-1	c 14	N72-17326 * #
NASA-CASE-XMF-00437	c 07	N70-40202 * #	NASA-CASE-XMF-04494-1	c 33	N79-33392 * #	NASA-CASE-XMS-02009	c 33	N71-20834 *
NASA-CASE-XMF-00442	c 31	N71-10747 * #	NASA-CASE-XMF-04592-1	c 20	N79-21125 * #	NASA-CASE-XMS-02063	c 03	N71-29044 *
NASA-CASE-XMF-00447	c 14	N70-33179 *	NASA-CASE-XMF-04593-1	c 20	N79-21125 * #	NASA-CASE-XMS-02087	c 09	N70-41717 * #
NASA-CASE-XMF-00456	c 14	N70-34705 * #	NASA-CASE-XMF-04680	c 15	N71-19489 *	NASA-CASE-XMS-02159	c 10	N71-22961 *
NASA-CASE-XMF-00462	c 14	N70-34298 * #	NASA-CASE-XMF-04709	c 15	N71-15609 * #	NASA-CASE-XMS-02182	c 10	N71-28783 *
NASA-CASE-XMF-00479	c 14	N70-34794 * #	NASA-CASE-XMF-04958-1	c 10	N71-26414 *	NASA-CASE-XMS-02184	c 15	N71-20813 *
NASA-CASE-XMF-00480								

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	* #
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NASA-CASE-XMS-02830	c 11	N71-23042	* #	NASA-CASE-XNP-00284	c 21	N70-38938	* #	NASA-CASE-XNP-02278	c 15	N71-28951	* #
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NASA-CASE-XMS-02977	c 11	N71-10748	* #	NASA-CASE-XNP-00418	c 15	N70-38947	* #	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-00432	c 08	N70-35423	* #	NASA-CASE-XNP-02507	c 31	N71-17679	* #
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US-PATENT-CLASS-29-198	c 09	N72-25259	*	US-PATENT-CLASS-29-570	c 26	N72-28761	*	US-PATENT-CLASS-292-252	c 37	N85-21649	*
US-PATENT-CLASS-29-203H	c 37	N74-32918	*	US-PATENT-CLASS-29-571	c 35	N75-13213	*	US-PATENT-CLASS-294-11R	c 35	N76-16392	*
US-PATENT-CLASS-29-203MW	c 33	N74-26977	*	US-PATENT-CLASS-29-571	c 33	N78-27326	*	US-PATENT-CLASS-294-106	c 37	N81-14320	*
US-PATENT-CLASS-29-203V	c 15	N73-14468	*	US-PATENT-CLASS-29-571	c 33	N81-26360	*	US-PATENT-CLASS-294-113	c 37	N80-14398	*
US-PATENT-CLASS-29-23 5	c 37	N78-24544	*	US-PATENT-CLASS-29-572	c 09	N71-23027	*	US-PATENT-CLASS-294-116	c 37	N75-33395	*
US-PATENT-CLASS-29-234	c 15	N70-36901	*	US-PATENT-CLASS-29-572	c 03	N71-24681	*	US-PATENT-CLASS-294-116	c 37	N82-32731	*
US-PATENT-CLASS-29-244	c 37	N78-24544	*	US-PATENT-CLASS-29-572	c 03	N72-22041	*	US-PATENT-CLASS-294-116	c 37	N75-33395	*
US-PATENT-CLASS-29-25 14	c 05	N72-25121	*	US-PATENT-CLASS-29-572	c 44	N74-14784	*	US-PATENT-CLASS-294-15	c 15	N71-29133	*
US-PATENT-CLASS-29-25 14	c 35	N82-24471	*	US-PATENT-CLASS-29-572	c 44	N76-14600	*	US-PATENT-CLASS-294-19R	c 35	N76-16392	*
US-PATENT-CLASS-29-25 18	c 09	N71-26678	*	US-PATENT-CLASS-29-572	c 44	N76-28635	*	US-PATENT-CLASS-294-83	c 15	N71-24897	*
US-PATENT-CLASS-29-25 18	c 05	N72-25121	*	US-PATENT-CLASS-29-572	c 44	N77-10635	*	US-PATENT-CLASS-294-86 33	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-294-86R	c 37	N80-14398	*
US-PATENT-CLASS-29-25 18	c 20	N76-21276	*	US-PATENT-CLASS-29-572	c 44	N78-25527	*	US-PATENT-CLASS-294-86R	c 37	N81-27519	*
US-PATENT-CLASS-29-25 35	c 35	N80-20559	*	US-PATENT-CLASS-29-572	c 44	N78-25528	*	US-PATENT-CLASS-294-86R	c 18	N83-29303	*
US-PATENT-CLASS-29-25 42	c 26	N72-28762	*	US-PATENT-CLASS-29-572	c 44	N78-25529	*	US-PATENT-CLASS-294-93	c 54	N81-26718	*
US-PATENT-CLASS-29-252	c 37	N78-24544	*	US-PATENT-CLASS-29-572	c 44	N79-11468	*	US-PATENT-CLASS-296-1S	c 85	N82-33288	*
US-PATENT-CLASS-29-26A	c 37	N75-33395	*	US-PATENT-CLASS-29-572	c 44	N79-11472	*	US-PATENT-CLASS-296-24C	c 85	N82-33288	*
US-PATENT-CLASS-29-267	c 60	N82-24839	*	US-PATENT-CLASS-29-572	c 44	N79-17314	*	US-PATENT-CLASS-296-91	c 85	N82-33288	*
US-PATENT-CLASS-29-268	c 37	N74-32918	*	US-PATENT-CLASS-29-572	c 44	N79-18444	*	US-PATENT-CLASS-297-DIG 5	c 03	N84-33394	*
US-PATENT-CLASS-29-271	c 15	N70-41371	*	US-PATENT-CLASS-29-572	c 44	N79-18444	*	US-PATENT-CLASS-297-216	c 05	N70-35152	*
US-PATENT-CLASS-29-278R	c 15	N71-29133	*	US-PATENT-CLASS-29-572	c 44	N79-24431	*	US-PATENT-CLASS-297-232	c 05	N71-11085	*
US-PATENT-CLASS-29-400	c 05	N71-12345	*	US-PATENT-CLASS-29-572	c 44	N79-26475	*	US-PATENT-CLASS-297-385	c 05	N71-12341	*
US-PATENT-CLASS-29-412	c 15	N72-20444	*	US-PATENT-CLASS-29-572	c 44	N79-31752	*	US-PATENT-CLASS-297-385	c 05	N75-25915	*
US-PATENT-CLASS-29-419	c 24	N75-28135	*	US-PATENT-CLASS-29-572	c 44	N80-14474	*	US-PATENT-CLASS-297-386	c 15	N73-30460	*
US-PATENT-CLASS-29-420 5	c 26	N74-10521	*	US-PATENT-CLASS-29-572	c 44	N82-28780	*	US-PATENT-CLASS-297-388	c 05	N75-25915	*
US-PATENT-CLASS-29-420 5	c 37	N74-13179	*	US-PATENT-CLASS-29-572	c 44	N82-29709	*	US-PATENT-CLASS-297-389	c 05	N75-25915	*
US-PATENT-CLASS-29-420 5	c 37	N75-26371	*	US-PATENT-CLASS-29-572	c 44	N83-13579	*	US-PATENT-CLASS-297-68	c 05	N71-12343	*
US-PATENT-CLASS-29-420	c 24	N75-13032	*	US-PATENT-CLASS-29-573	c 15	N73-13417	*	US-PATENT-CLASS-297-68	c 05	N72-11085	*
US-PATENT-CLASS-29-421E	c 37	N79-13364	*	US-PATENT-CLASS-29-576J	c 35	N82-31659	*	US-PATENT-CLASS-299-13	c 43	N81-26509	*
US-PATENT-CLASS-29-421	c 15	N71-29018	*	US-PATENT-CLASS-29-576S	c 35	N82-31659	*	US-PATENT-CLASS-299-17	c 43	N81-26509	*
US-PATENT-CLASS-29-421	c 14	N72-22439	*	US-PATENT-CLASS-29-577	c 44	N79-26475	*	US-PATENT-CLASS-299-1	c 43	N79-26439	*
US-PATENT-CLASS-29-421	c 37	N76-14461	*	US-PATENT-CLASS-29-578	c 26	N72-17820	*	US-PATENT-CLASS-299-1	c 35	N84-33768	*
US-PATENT-CLASS-29-423	c 15	N70-36409	*	US-PATENT-CLASS-29-578	c 33	N78-27326	*	US-PATENT-CLASS-299-20	c 43	N81-26509	*
US-PATENT-CLASS-29-423	c 31	N74-21059	*	US-PATENT-CLASS-29-578	c 44	N79-18444	*	US-PATENT-CLASS-299-67	c 46	N74-23068	*
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US-PATENT-CLASS-29-426	c 15	N72-20444	*	US-PATENT-CLASS-29-580	c 09	N73-27150	*	US-PATENT-CLASS-3-1 1	c 05	N73-32013	*
US-PATENT-CLASS-29-428	c 15	N71-17686	*	US-PATENT-CLASS-29-580	c 44	N79-26475	*	US-PATENT-CLASS-3-1 1	c 52	N77-14738	*
US-PATENT-CLASS-29-432	c 37	N76-19437	*	US-PATENT-CLASS-29-580	c 33	N81-26360	*	US-PATENT-CLASS-3-1 1	c 54	N79-24652	*
US-PATENT-CLASS-29-433	c 37	N76-19437	*	US-PATENT-CLASS-29-588	c 14	N71-27334	*	US-PATENT-CLASS-3-1 1	c 74	N84-11921	*
US-PATENT-CLASS-29-446	c 37	N83-36482	*	US-PATENT-CLASS-29-588	c 14	N72-31446	*	US-PATENT-CLASS-3-1 2	c 52	N77-14735	*
US-PATENT-CLASS-29-447	c 37	N77-23482	*	US-PATENT-CLASS-29-588	c 14	N72-31446	*	US-PATENT-CLASS-3-1 2	c 52	N78-10686	*
US-PATENT-CLASS-29-451	c 52	N84-28389	*	US-PATENT-CLASS-29-588	c 44	N74-14784	*	US-PATENT-CLASS-3-1 9	c 27	N78-17215	*
US-PATENT-CLASS-29-452	c 15	N73-30457	*	US-PATENT-CLASS-29-589	c 44	N80-14474	*	US-PATENT-CLASS-3-1 9	c 52	N79-26772	*
US-PATENT-CLASS-29-458	c 26	N83-10170	*	US-PATENT-CLASS-29-589	c 26	N72-17820	*	US-PATENT-CLASS-3-12 5	c 54	N78-17676	*
US-PATENT-CLASS-29-460	c 37	N74-11301	*	US-PATENT-CLASS-29-589	c 09	N72-25261	*	US-PATENT-CLASS-3-12 5	c 54	N79-24652	*
US-PATENT-CLASS-29-460	c 07	N75-13261	*	US-PATENT-CLASS-29-589	c 15	N73-14469	*	US-PATENT-CLASS-3-12	c 05	N73-32013	*
US-PATENT-CLASS-29-463	c 07	N78-33101	*	US-PATENT-CLASS-29-590	c 04	N79-31752	*	US-PATENT-CLASS-3-12	c 52	N79-26772	*
US-PATENT-CLASS-29-467	c 39	N76-31562	*	US-PATENT-CLASS-29-591	c 09	N72-22199	*	US-PATENT-CLASS-3-12	c 52	N77-14735	*
US-PATENT-CLASS-29-470 1	c 37	N74-21057	*	US-PATENT-CLASS-29-591	c 15	N73-14469	*	US-PATENT-CLASS-3-15	c 52	N78-10686	*
US-PATENT-CLASS-29-470 1	c 37	N75-12226	*	US-PATENT-CLASS-29-591	c 44	N79-18444	*	US-PATENT-CLASS-3-1	c 52	N77-25772	*
US-PATENT-CLASS-29-472 7	c 37	N75-15992	*	US-PATENT-CLASS-29-592	c 35	N75-13213	*	US-PATENT-CLASS-3-21	c 54	N77-30749	*
US-PATENT-CLASS-29-472 9	c 37	N75-15992	*	US-PATENT-CLASS-29-597	c 33	N77-26385	*	US-PATENT-CLASS-3-29	c 52	N78-10686	*
US-PATENT-CLASS-29-472 9	c 15	N69-39786	*	US-PATENT-CLASS-29-599	c 15	N72-25447	*	US-PATENT-CLASS-3-2	c 05	N73-32013	*
US-PATENT-CLASS-29-472 9	c 26	N71-16037	*	US-PATENT-CLASS-29-599	c 26	N73-26752	*	US-PATENT-CLASS-3-2	c 54	N77-30749	*
US-PATENT-CLASS-29-473 1	c 15	N72-22492	*	US-PATENT-CLASS-29-599	c 26	N73-32571	*	US-PATENT-CLASS-3-2	c 52	N79-26772	*
US-PATENT-CLASS-29-473 1	c 15	N72-22487	*	US-PATENT-CLASS-29-603	c 08	N71-27210	*	US-PATENT-CLASS-3-6	c 05	N73-32013	*
US-PATENT-CLASS-29-473 1	c 15	N72-22492	*	US-PATENT-CLASS-29-604	c 24	N75-13032	*	US-PATENT-CLASS-30-102	c 37	N82-26672	*
US-PATENT-CLASS-29-473 1	c 37	N75-15992	*	US-PATENT-CLASS-29-610SG	c 35	N85-21598	*	US-PATENT-CLASS-30-180	c 37	N84-28085	*
US-PATENT-CLASS-29-475	c 37	N75-12326	*	US-PATENT-CLASS-29-610	c 24	N75-30260	*	US-PATENT-CLASS-30-188	c 37	N84-28085	*
US-PATENT-CLASS-29-482	c 05	N72-25121	*	US-PATENT-CLASS-29-613	c 24	N75-30260	*	US-PATENT-CLASS-30-228	c 15	N70-42017	*
US-PATENT-CLASS-29-482	c 37	N74-18128	*	US-PATENT-CLASS-29-613	c 35	N82-24470	*	US-PATENT-CLASS-30-228	c 37	N84-28085	*
US-PATENT-CLASS-29-487	c 15	N73-33383	*	US-PATENT-CLASS-29-620	c 35	N82-31659	*	US-PATENT-CLASS-30-228	c 37	N84-28085	*
US-PATENT-CLASS-29-487	c 37	N74-21055	*	US-PATENT-CLASS-29-622	c 33	N77-26385	*	US-PATENT-CLASS-30-249	c 37	N84-28085	*
US-PATENT-CLASS-29-488	c 15	N70-33311	*	US-PATENT-CLASS-29-623 5	c 44	N83-32176	*	US-PATENT-CLASS-30-272R	c 37	N79-10419	*
US-PATENT-CLASS-29-488	c 37	N74-18128	*	US-PATENT-CLASS-29-623 5	c 26	N84-22734	*	US-PATENT-CLASS-30-90 6	c 37	N74-18125	*
US-PATENT-CLASS-29-492	c 15	N71-20443	*	US-PATENT-CLASS-29-623 5	c 44	N84-28205	*	US-PATENT-CLASS-301-5P	c 37	N74-18125	*
US-PATENT-CLASS-29-492	c 09	N72-25261	*	US-PATENT-CLASS-29-624	c 15	N72-20444	*	US-PATENT-CLASS-301-82	c 33	N79-10339	*
US-PATENT-CLASS-29-494	c 15	N73-33383	*	US-PATENT-CLASS-29-624	c 14	N72-20444	*	US-PATENT-CLASS-302-66	c 25	N79-11152	*
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US-PATENT-CLASS-29-497 5	c 15	N73-28515	*	US-PATENT-CLASS-29-628	c 19	N72-25261	*	US-PATENT-CLASS-307-103	c 09	N72-25262	*
US-PATENT-CLASS-29-497 5	c 15	N73-33383	*	US-PATENT-CLASS-29-628	c 09	N73-28083	*	US-PATENT-CLASS-307-104	c 09	N71-24892	*
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US-PATENT-CLASS-29-497	c 15	N73-32358	*	US-PATENT-CLASS-29-630A	c 05	N73-28083	*	US-PATENT-CLASS-307-127	c 33	N74-14956	*
US-PATENT-CLASS-29-497	c 37	N74-18128	*	US-PATENT-CLASS-29-630E	c 33	N77-26385	*	US-PATENT-CLASS-307-136	c 09	N69-27500	*
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US-PATENT-CLASS-29-503	c 37	N74-11301	*	US-PATENT-CLASS-29-825	c 44	N84-28205	*	US-PATENT-CLASS-307-18	c 33	N74-34638	*
US-PATENT-CLASS-29-504	c 37	N74-21055	*	US-PATENT-CLASS-29-832	c 44	N81-14389	*	US-PATENT-CLASS-307-204	c 35	N75-30504	*
US-PATENT-CLASS-29-504	c 37	N75-13261	*	US-PATENT-CLASS-290-1R	c 44	N85-21769	*	US-PATENT-CLASS-307-205	c 33	N75-14957	*
US-PATENT-CLASS-29-517	c 15	N71-17650	*	US-PATENT-CLASS-290-4R	c 44	N85-21769	*	US-PATENT-CLASS-307-206	c 10	N72-22236	*
US-PATENT-CLASS-29-521	c 26	N83-10170	*	US-PATENT-CLASS-290-40	c 03	N71-11057	*</				

US-PATENT-CLASS-307-215	c 09	N73-13209 *	#	US-PATENT-CLASS-307-268	c 09	N69-24317 *	#	US-PATENT-CLASS-308-10	c 37	N75-18574 *	#
US-PATENT-CLASS-307-215	c 33	N74-22814 *	#	US-PATENT-CLASS-307-269	c 60	N81-15706 *	#	US-PATENT-CLASS-308-10	c 37	N76-18459 *	#
US-PATENT-CLASS-307-216	c 08	N71-18751 *	#	US-PATENT-CLASS-307-270	c 33	N78-17294 *	#	US-PATENT-CLASS-308-10	c 37	N77-17464 *	#
US-PATENT-CLASS-307-219	c 35	N75-30504 *	#	US-PATENT-CLASS-307-271	c 10	N73-32145 *	#	US-PATENT-CLASS-308-10	c 44	N78-24608 *	#
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US-PATENT-CLASS-307-220	c 10	N73-26229 *	#	US-PATENT-CLASS-307-273	c 09	N71-27016 *	#	US-PATENT-CLASS-308-10	c 35	N79-26372 *	#
US-PATENT-CLASS-307-221R	c 10	N73-20254 *	#	US-PATENT-CLASS-307-273	c 09	N71-28468 *	#	US-PATENT-CLASS-308-10	c 71	N81-15767 *	#
US-PATENT-CLASS-307-221R	c 33	N76-14373 *	#	US-PATENT-CLASS-307-273	c 10	N71-28860 *	#	US-PATENT-CLASS-308-10	c 44	N83-28574 *	#
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US-PATENT-CLASS-307-222	c 08	N71-29034 *	#	US-PATENT-CLASS-307-273	c 10	N72-20221 *	#	US-PATENT-CLASS-308-10	c 37	N83-34232 *	#
US-PATENT-CLASS-307-223B	c 09	N72-22201 *	#	US-PATENT-CLASS-307-280	c 33	N77-21314 *	#	US-PATENT-CLASS-308-10	c 71	N83-36846 *	#
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US-PATENT-CLASS-307-225R	c 33	N74-10223 *	#	US-PATENT-CLASS-307-288	c 09	N71-23015 *	#	US-PATENT-CLASS-308-121	c 37	N74-32921 *	#
US-PATENT-CLASS-307-225R	c 33	N75-31330 *	#	US-PATENT-CLASS-307-288	c 09	N71-28468 *	#	US-PATENT-CLASS-308-121	c 37	N75-30562 *	#
US-PATENT-CLASS-307-225R	c 33	N77-24375 *	#	US-PATENT-CLASS-307-288	c 10	N72-20221 *	#	US-PATENT-CLASS-308-121	c 37	N79-10418 *	#
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US-PATENT-CLASS-307-227	c 33	N75-19522 *	#	US-PATENT-CLASS-307-28	c 03	N73-31988 *	#	US-PATENT-CLASS-308-160	c 37	N76-29588 *	#
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US-PATENT-CLASS-307-229	c 09	N72-23173 *	#	US-PATENT-CLASS-307-291	c 60	N81-15706 *	#	US-PATENT-CLASS-308-163	c 37	N76-29588 *	#
US-PATENT-CLASS-307-229	c 33	N75-18479 *	#	US-PATENT-CLASS-307-294	c 09	N71-29139 *	#	US-PATENT-CLASS-308-163	c 37	N79-10418 *	#
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US-PATENT-CLASS-307-229	c 33	N78-32339 *	#	US-PATENT-CLASS-307-295	c 10	N72-20223 *	#	US-PATENT-CLASS-308-170	c 15	N71-28465 *	#
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US-PATENT-CLASS-307-230	c 33	N77-17354 *	#	US-PATENT-CLASS-307-296	c 08	N71-12494 *	#	US-PATENT-CLASS-308-176	c 15	N71-22982 *	#
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US-PATENT-CLASS-526-9	c 44	N79-25481 * #	US-PATENT-CLASS-528-342	c 27	N84-27885 * #	US-PATENT-CLASS-55-15	c 71	N85-22104 * #
US-PATENT-CLASS-528-110	c 24	N84-11213 * #	US-PATENT-CLASS-528-342	c 27	N85-21350 * #	US-PATENT-CLASS-55-160	c 15	N71-15968 * #
US-PATENT-CLASS-528-118	c 27	N81-17260 * #	US-PATENT-CLASS-528-342	c 27	N85-21351 * #	US-PATENT-CLASS-55-16	c 06	N72-31140 * #
US-PATENT-CLASS-528-125	c 27	N83-34040 * #	US-PATENT-CLASS-528-345	c 27	N85-21352 * #	US-PATENT-CLASS-55-179	c 14	N71-17588 * #
US-PATENT-CLASS-528-125	c 27	N84-22749 * #	US-PATENT-CLASS-528-345	c 27	N84-22746 * #	US-PATENT-CLASS-55-194	c 54	N77-32722 * #
US-PATENT-CLASS-528-125	c 27	N85-21348 * #	US-PATENT-CLASS-528-348	c 27	N85-20123 * #	US-PATENT-CLASS-55-179	c 35	N83-29652 * #
US-PATENT-CLASS-528-126	c 27	N79-28307 * #	US-PATENT-CLASS-528-351	c 27	N84-22746 * #	US-PATENT-CLASS-55-197	c 23	N77-17161 * #
US-PATENT-CLASS-528-126	c 27	N82-11206 * #	US-PATENT-CLASS-528-352	c 27	N82-11206 * #	US-PATENT-CLASS-55-199	c 34	N74-30608 * #
US-PATENT-CLASS-528-126	c 27	N83-34040 * #	US-PATENT-CLASS-528-353	c 27	N85-21348 * #	US-PATENT-CLASS-55-202	c 35	N83-29652 * #
US-PATENT-CLASS-528-126	c 27	N85-21348 * #	US-PATENT-CLASS-528-353	c 27	N81-19296 * #	US-PATENT-CLASS-55-204	c 15	N71-23023 * #
US-PATENT-CLASS-528-127	c 27	N79-28307 * #	US-PATENT-CLASS-528-353	c 27	N82-11206 * #	US-PATENT-CLASS-55-204	c 44	N83-10501 * #
US-PATENT-CLASS-528-128	c 27	N79-28307 * #	US-PATENT-CLASS-528-361	c 27	N85-21348 * #	US-PATENT-CLASS-55-208	c 14	N71-18483 * #
US-PATENT-CLASS-528-128	c 27	N83-34040 * #	US-PATENT-CLASS-528-362	c 24	N84-11213 * #	US-PATENT-CLASS-55-241	c 35	N79-17192 * #
US-PATENT-CLASS-528-128	c 27	N84-22749 * #	US-PATENT-CLASS-528-362	c 25	N81-14016 * #	US-PATENT-CLASS-55-242	c 35	N79-17192 * #
US-PATENT-CLASS-528-128	c 27	N85-21348 * #	US-PATENT-CLASS-528-362	c 27	N81-17259 * #	US-PATENT-CLASS-55-269	c 35	N87-12390 * #
US-PATENT-CLASS-528-128	c 27	N83-34040 * #	US-PATENT-CLASS-528-362	c 27	N81-17262 * #	US-PATENT-CLASS-55-261	c 35	N76-18401 * #
US-PATENT-CLASS-528-128	c 27	N85-21348 * #	US-PATENT-CLASS-528-362	c 27	N82-24338 * #	US-PATENT-CLASS-55-269	c 54	N77-32722 * #
US-PATENT-CLASS-528-166	c 27	N85-21348 * #	US-PATENT-CLASS-528-362	c 27	N84-22744 * #	US-PATENT-CLASS-55-270	c 35	N84-17555 * #
US-PATENT-CLASS-528-167	c 27	N81-27271 * #	US-PATENT-CLASS-528-362	c 27	N84-27884 * #	US-PATENT-CLASS-55-277	c 71	N83-35781 * #
US-PATENT-CLASS-528-168	c 27	N82-18389 * #	US-PATENT-CLASS-528-38	c 27	N83-34040 * #	US-PATENT-CLASS-55-277	c 71	N85-22104 * #
US-PATENT-CLASS-528-168	c 27	N85-21347 * #	US-PATENT-CLASS-528-394	c 27	N84-22750 * #	US-PATENT-CLASS-55-283	c 35	N84-17555 * #
US-PATENT-CLASS-528-168	c 27	N85-21347 * #	US-PATENT-CLASS-528-399	c 27	N81-27271 * #	US-PATENT-CLASS-55-291	c 35	N84-17555 * #
US-PATENT-CLASS-528-170	c 27	N85-21347 * #	US-PATENT-CLASS-528-399	c 27	N82-18389 * #	US-PATENT-CLASS-55-2	c 25	N78-25148 * #
US-PATENT-CLASS-528-172	c 27	N82-11206 * #	US-PATENT-CLASS-528-399	c 27	N84-22750 * #	US-PATENT-CLASS-55-2	c 28	N81-14103 * #
US-PATENT-CLASS-528-172	c 27	N84-22749 * #	US-PATENT-CLASS-528-401	c 27	N79-22300 * #	US-PATENT-CLASS-55-2	c 35	N84-17555 * #
US-PATENT-CLASS-528-173	c 27	N82-11206 * #	US-PATENT-CLASS-528-401	c 25	N81-14016 * #	US-PATENT-CLASS-55-306	c 28	N70-34788 * #
US-PATENT-CLASS-528-180	c 27	N82-11206 * #	US-PATENT-CLASS-528-401	c 27	N81-17259 * #	US-PATENT-CLASS-55-35	c 05	N70-41297 * #
US-PATENT-CLASS-528-183	c 27	N84-22746 * #	US-PATENT-CLASS-528-401	c 27	N81-17262 * #	US-PATENT-CLASS-55-360	c 35	N79-17192 * #
US-PATENT-CLASS-528-183	c 27	N85-20123 * #	US-PATENT-CLASS-528-401	c 27	N82-24338 * #	US-PATENT-CLASS-55-386	c 35	N75-26334 * #
US-PATENT-CLASS-528-185	c 27	N84-22749 * #	US-PATENT-CLASS-528-401	c 23	N82-28353 * #	US-PATENT-CLASS-55-38	c 71	N83-35781 * #
US-PATENT-CLASS-528-185	c 27	N85-21348 * #	US-PATENT-CLASS-528-401	c 27	N84-22744 * #	US-PATENT-CLASS-55-3	c 35	N78-12390 * #
US-PATENT-CLASS-528-186	c 27	N85-21348 * #	US-PATENT-CLASS-528-402	c 25	N82-24312 * #	US-PATENT-CLASS-55-400	c 11	N71-10777 * #
US-PATENT-CLASS-528-187	c 27	N85-21348 * #	US-PATENT-CLASS-528-407	c 24	N84-34571 * #	US-PATENT-CLASS-55-407	c 35	N79-17192 * #
US-PATENT-CLASS-528-192	c 27	N85-20123 * #	US-PATENT-CLASS-528-422	c 27	N79-22300 * #	US-PATENT-CLASS-55-408	c 15	N70-40062 * #
US-PATENT-CLASS-528-207	c 27	N80-16158 * #	US-PATENT-CLASS-528-422	c 25	N81-14016 * #	US-PATENT-CLASS-55-418	c 15	N71-22271 * #
US-PATENT-CLASS-528-207	c 27	N82-11206 * #	US-PATENT-CLASS-528-422	c 27	N81-17259 * #	US-PATENT-CLASS-55-43	c 34	N74-30608 * #
US-PATENT-CLASS-528-208	c 27	N80-16158 * #	US-PATENT-CLASS-528-422	c 27	N81-17262 * #	US-PATENT-CLASS-55-446	c 15	N72-22489 * #
US-PATENT-CLASS-528-208	c 27	N82-11206 * #	US-PATENT-CLASS-528-422	c 27	N82-24338 * #	US-PATENT-CLASS-55-464	c 15	N72-22489 * #
US-PATENT-CLASS-528-210	c 27	N82-11206 * #	US-PATENT-CLASS-528-422	c 23	N82-28353 * #	US-PATENT-CLASS-55-466	c 35	N84-17555 * #
US-PATENT-CLASS-528-211	c 27	N82-11206 * #	US-PATENT-CLASS-528-422	c 27	N84-22744 * #	US-PATENT-CLASS-55-493	c 14	N72-23457 * #
US-PATENT-CLASS-528-220	c 27	N83-34040 * #	US-PATENT-CLASS-528-423	c 27	N81-17259 * #	US-PATENT-CLASS-55-498	c 14	N72-23457 * #
US-PATENT-CLASS-528-220	c 27	N84-22746 * #	US-PATENT-CLASS-528-423	c 27	N84-22744 * #	US-PATENT-CLASS-55-502	c 14	N72-23457 * #
US-PATENT-CLASS-528-220	c 27	N85-20123 * #	US-PATENT-CLASS-528-481	c 27	N80-24438 * #	US-PATENT-CLASS-55-510	c 25	N74-12813 * #
US-PATENT-CLASS-528-221	c 27	N79-28307 * #	US-PATENT-CLASS-528-4	c 27	N81-27271 * #	US-PATENT-CLASS-55-518	c 25	N74-12813 * #
US-PATENT-CLASS-528-222	c 27	N81-29229 * #	US-PATENT-CLASS-528-4	c 27	N82-18389 * #	US-PATENT-CLASS-55-521	c 14	N72-23457 * #
US-PATENT-CLASS-528-222	c 27	N83-34040 * #	US-PATENT-CLASS-528-6	c 27	N81-27271 * #	US-PATENT-CLASS-55-523	c 34	N76-27515 * #
US-PATENT-CLASS-528-222	c 27	N83-34041 * #	US-PATENT-CLASS-528-6	c 27	N82-18389 * #	US-PATENT-CLASS-55-526	c 34	N76-27515 * #
US-PATENT-CLASS-528-223	c 27	N79-28307 * #	US-PATENT-CLASS-528-6	c 27	N84-22750 * #	US-PATENT-CLASS-55-52	c 71	N83-35781 * #
US-PATENT-CLASS-528-225	c 27	N79-28307 * #	US-PATENT-CLASS-528-73	c 25	N80-16116 * #	US-PATENT-CLASS-55-55	c 06	N72-31140 * #
US-PATENT-CLASS-528-225	c 27	N82-11206 * #	US-PATENT-CLASS-528-7	c 27	N82-18389 * #	US-PATENT-CLASS-55-66	c 25	N80-23383 * #
US-PATENT-CLASS-528-226	c 27	N83-34041 * #	US-PATENT-CLASS-528-7	c 27	N84-22750 * #	US-PATENT-CLASS-55-67	c 23	N77-17161 * #
US-PATENT-CLASS-528-226	c 27	N85-20124 * #	US-PATENT-CLASS-528-92	c 24	N84-34571 * #	US-PATENT-CLASS-55-67	c 25	N80-23383 * #
US-PATENT-CLASS-528-226	c 27	N85-21348 * #	US-PATENT-CLASS-53-102	c 15	N71-21528 * #	US-PATENT-CLASS-55-68	c 35	N84-17555 * #
US-PATENT-CLASS-528-227	c 27	N79-28307 * #	US-PATENT-CLASS-53-112A	c 15	N73-27405 * #	US-PATENT-CLASS-55-6	c 25	N84-17555 * #
US-PATENT-CLASS-528-228	c 27	N81-27272 * #	US-PATENT-CLASS-53-22A	c 15	N71-23256 * #	US-PATENT-CLASS-55-72	c 45	N79-12584 * #
US-PATENT-CLASS-528-228	c 27	N82-11206 * #	US-PATENT-CLASS-53-22	c 09	N82-29330 * #	US-PATENT-CLASS-55-73	c 25	N80-23383 * #
US-PATENT-CLASS-528-228	c 27	N83-34040 * #	US-PATENT-CLASS-53-429	c 37	N77-23482 * #	US-PATENT-CLASS-55-74	c 23	N77-17161 * #
US-PATENT-CLASS-528-228	c 27	N84-22745 * #	US-PATENT-CLASS-53-9	c 37	N77-30236 * #	US-PATENT-CLASS-55-75	c 15	N71-26185 * #
US-PATENT-CLASS-528-229	c 27	N79-28307 * #	US-PATENT-CLASS-536-105	c 27	N77-30236 * #	US-PATENT-CLASS-55-75	c 35	N84-17555 * #
US-PATENT-CLASS-528-229	c 27	N79-33316 * #	US-PATENT-CLASS-536-536-85	c 27	N77-30236 * #	US-PATENT-CLASS-55-96	c 25	N85-21280 * #
US-PATENT-CLASS-528-229	c 27	N81-29229 * #	US-PATENT-CLASS-536-56	c 27	N77-30236 * #	US-PATENT-CLASS-56-4229	c 27	N81-24256 * #
US-PATENT-CLASS-528-229	c 27	N83-34040 * #	US-PATENT-CLASS-536-58	c 27	N77-30236 * #	US-PATENT-CLASS-56-4229	c 23	N82-28353 * #
US-PATENT-CLASS-528-229	c 27	N85-21348 * #	US-PATENT-CLASS-536-84	c 27	N77-30236 * #	US-PATENT-CLASS-56-423	c 27	N84-22744 * #
US-PATENT-CLASS-528-229	c 27	N85-21350 * #	US-PATENT-CLASS-538-117	c 27	N81-17260 * #	US-PATENT-CLASS-568-2	c 27	N82-18389 * #
US-PATENT-CLASS-528-229	c 27	N85-21351 * #	US-PATENT-CLASS-544-193	c 27	N78-15276 * #	US-PATENT-CLASS-568-445	c 23	N82-16174 * #
US-PATENT-CLASS-528-229	c 27	N85-21352 * #	US-PATENT-CLASS-544-193	c 27	N79-28307 * #	US-PATENT-CLASS-568-497	c 23	N82-16174 * #
US-PATENT-CLASS-528-239	c 27	N85-20124 * #	US-PATENT-CLASS-544-195	c 27	N78-32256 * #	US-PATENT-CLASS-568-497	c 23	N82-16174 * #
US-PATENT-CLASS-528-241	c 27	N85-20124 * #	US-PATENT-CLASS-544-215	c 27	N84-22744 * #	US-PATENT-CLASS-568-4	c 27	N84-22750 * #
US-PATENT-CLASS-528-258	c 27	N85-20124 * #						

US-PATENT-CLASS-60-108	c 33	N71-16104 *	US-PATENT-CLASS-60-265	c 20	N76-14191 * #	US-PATENT-CLASS-60-39 46M	c 20	N82-18314 * #
US-PATENT-CLASS-60-1	c 15	N72-33477 * #	US-PATENT-CLASS-60-266	c 33	N71-28852 *	US-PATENT-CLASS-60-39 46	c 27	N71-15635 * #
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 15	N74-27360 * #
US-PATENT-CLASS-60-200A	c 33	N72-25911 * #	US-PATENT-CLASS-60-267	c 33	N71-29053 *	US-PATENT-CLASS-60-39 47	c 27	N71-16392 * #
US-PATENT-CLASS-60-200A	c 33	N73-25952 * #	US-PATENT-CLASS-60-267	c 33	N72-25911 * #	US-PATENT-CLASS-60-39 48	c 28	N70-38199 * #
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	N70-39931 * #
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 27	N71-28929 * #
US-PATENT-CLASS-60-200	c 28	N71-14044 * #	US-PATENT-CLASS-60-267	c 20	N76-14191 * #	US-PATENT-CLASS-60-39 51R	c 25	N78-10224 * #
US-PATENT-CLASS-60-202	c 28	N70-41922 * #	US-PATENT-CLASS-60-267	c 34	N79-13288 * #	US-PATENT-CLASS-60-39 52	c 07	N78-25089 * #
US-PATENT-CLASS-60-202	c 28	N71-10574 * #	US-PATENT-CLASS-60-267	c 34	N79-13289 * #	US-PATENT-CLASS-60-39 65	c 28	N71-28915 * #
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 23	N73-30665 * #
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 34	N78-27357 * #
US-PATENT-CLASS-60-202	c 28	N71-23081 * #	US-PATENT-CLASS-60-267	c 05	N81-26114 * #	US-PATENT-CLASS-60-39 66	c 15	N70-36411 * #
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 23	N73-30665 * #
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 07	N77-23106 * #
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 37	N78-10467 * #
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	N79-11403 * #
US-PATENT-CLASS-60-202	c 28	N71-26781 * #	US-PATENT-CLASS-60-271	c 28	N72-23810 * #	US-PATENT-CLASS-60-39 69R	c 34	N78-27365 * #
US-PATENT-CLASS-60-202	c 28	N72-11709 * #	US-PATENT-CLASS-60-271	c 07	N78-17055 * #	US-PATENT-CLASS-60-39 72	c 23	N73-30665 * #
US-PATENT-CLASS-60-202	c 28	N72-22770 * #	US-PATENT-CLASS-60-271	c 37	N78-17384 * #	US-PATENT-CLASS-60-39 74A	c 15	N72-25455 * #
US-PATENT-CLASS-60-202	c 28	N72-22771 * #	US-PATENT-CLASS-60-271	c 07	N83-33884 * #	US-PATENT-CLASS-60-39 74R	c 23	N73-30665 * #
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 20	N76-14190 * #
US-PATENT-CLASS-60-202	c 25	N73-25760 * #	US-PATENT-CLASS-60-291	c 31	N73-13898 * #	US-PATENT-CLASS-60-39 74	c 28	N70-33241 * #
US-PATENT-CLASS-60-202	c 28	N73-27699 * #	US-PATENT-CLASS-60-300	c 28	N80-10374 * #	US-PATENT-CLASS-60-39 74	c 28	N72-17843 * #
US-PATENT-CLASS-60-202	c 20	N77-10148 * #	US-PATENT-CLASS-60-303	c 35	N84-17555 * #	US-PATENT-CLASS-60-39 74	c 20	N79-21125 * #
US-PATENT-CLASS-60-202	c 20	N77-20162 * #	US-PATENT-CLASS-60-303	c 37	N84-33808 * #	US-PATENT-CLASS-60-39 82E	c 20	N78-24275 * #
US-PATENT-CLASS-60-202	c 20	N85-21256 * #	US-PATENT-CLASS-60-311	c 35	N84-17555 * #	US-PATENT-CLASS-60-39 83	c 07	N84-33410 * #
US-PATENT-CLASS-60-203	c 20	N80-14188 * #	US-PATENT-CLASS-60-316	c 34	N76-18364 * #	US-PATENT-CLASS-60-39-48	c 28	N72-11709 * #
US-PATENT-CLASS-60-204	c 07	N78-17055 * #	US-PATENT-CLASS-60-35 3	c 28	N70-33265 * #	US-PATENT-CLASS-60-508	c 44	N79-18443 * #
US-PATENT-CLASS-60-204	c 07	N78-18067 * #	US-PATENT-CLASS-60-35 3	c 28	N70-40367 * #	US-PATENT-CLASS-60-516	c 20	N75-24837 * #
US-PATENT-CLASS-60-204	c 44	N81-24519 * #	US-PATENT-CLASS-60-35 54	c 28	N70-34294 * #	US-PATENT-CLASS-60-516	c 44	N82-24640 * #
US-PATENT-CLASS-60-211	c 28	N73-13773 * #	US-PATENT-CLASS-60-35 54	c 28	N70-38645 * #	US-PATENT-CLASS-60-517	c 44	N76-29701 * #
US-PATENT-CLASS-60-214	c 15	N74-27360 * #	US-PATENT-CLASS-60-35 54	c 28	N71-29153 * #	US-PATENT-CLASS-60-517	c 37	N81-25370 * #
US-PATENT-CLASS-60-215	c 06	N73-30097 * #	US-PATENT-CLASS-60-35 55	c 28	N70-34162 * #	US-PATENT-CLASS-60-518	c 37	N81-14318 * #
US-PATENT-CLASS-60-215	c 15	N74-27360 * #	US-PATENT-CLASS-60-35 55	c 28	N70-38711 * #	US-PATENT-CLASS-60-518	c 37	N81-17432 * #
US-PATENT-CLASS-60-217	c 12	N71-17631 * #	US-PATENT-CLASS-60-35 55	c 21	N71-15582 * #	US-PATENT-CLASS-60-51	c 15	N71-27754 * #
US-PATENT-CLASS-60-225	c 28	N71-10780 * #	US-PATENT-CLASS-60-35 55	c 15	N71-28951 * #	US-PATENT-CLASS-60-520	c 37	N80-31790 * #
US-PATENT-CLASS-60-226A	c 07	N77-17059 * #	US-PATENT-CLASS-60-35 5	c 28	N70-33356 * #	US-PATENT-CLASS-60-524	c 44	N81-17518 * #
US-PATENT-CLASS-60-226A	c 07	N79-14096 * #	US-PATENT-CLASS-60-35 5	c 28	N70-34175 * #	US-PATENT-CLASS-60-525	c 37	N81-25370 * #
US-PATENT-CLASS-60-226A	c 07	N79-14097 * #	US-PATENT-CLASS-60-35 5	c 28	N70-36802 * #	US-PATENT-CLASS-60-527	c 44	N74-33379 * #
US-PATENT-CLASS-60-226A	c 07	N82-26293 * #	US-PATENT-CLASS-60-35 5	c 21	N70-36938 * #	US-PATENT-CLASS-60-527	c 37	N77-12402 * #
US-PATENT-CLASS-60-226R	c 07	N78-18066 * #	US-PATENT-CLASS-60-35 5	c 25	N70-36946 * #	US-PATENT-CLASS-60-527	c 37	N77-19458 * #
US-PATENT-CLASS-60-226R	c 07	N77-14025 * #	US-PATENT-CLASS-60-35 5	c 28	N70-37245 * #	US-PATENT-CLASS-60-527	c 37	N78-31426 * #
US-PATENT-CLASS-60-226R	c 07	N77-28118 * #	US-PATENT-CLASS-60-35 5	c 28	N70-37980 * #	US-PATENT-CLASS-60-530	c 20	N75-24837 * #
US-PATENT-CLASS-60-226R	c 07	N78-17055 * #	US-PATENT-CLASS-60-35 5	c 28	N71-14043 * #	US-PATENT-CLASS-60-53	c 37	N77-22479 * #
US-PATENT-CLASS-60-226R	c 07	N78-17056 * #	US-PATENT-CLASS-60-35 5	c 28	N71-15661 * #	US-PATENT-CLASS-60-54 5	c 15	N71-10658 * #
US-PATENT-CLASS-60-226R	c 07	N78-25089 * #	US-PATENT-CLASS-60-35 60	c 28	N71-15659 * #	US-PATENT-CLASS-60-560	c 35	N78-10428 * #
US-PATENT-CLASS-60-226R	c 07	N79-14096 * #	US-PATENT-CLASS-60-35 6	c 28	N70-33284 * #	US-PATENT-CLASS-60-572	c 44	N79-18443 * #
US-PATENT-CLASS-60-226R	c 07	N81-19116 * #	US-PATENT-CLASS-60-35 6	c 28	N70-33331 * #	US-PATENT-CLASS-60-574	c 35	N78-10428 * #
US-PATENT-CLASS-60-228	c 07	N77-17059 * #	US-PATENT-CLASS-60-35 6	c 28	N70-33374 * #	US-PATENT-CLASS-60 606	c 28	N80-10374 * #
US-PATENT-CLASS-60-230	c 07	N78-27121 * #	US-PATENT-CLASS-60-35 6	c 28	N70-33375 * #	US-PATENT-CLASS-60 606	c 37	N84-33808 * #
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US-PATENT-3,412,961	c 32	N71-23971 #	US-PATENT-3,428,812	c 14	N69-27482 #	US-PATENT-3,452,103	c 26	N71-16037 *
US-PATENT-3,413,115	c 17	N71-23365 *	US-PATENT-3,428,847	c 15	N69-24266 #	US-PATENT-3,452,872	c 14	N69-39896 #
US-PATENT-3,413,393	c 17	N71-28137 *	US-PATENT-3,428,910	c 09	N69-24330 #	US-PATENT-3,453,172	c 15	N69-39735 #
US-PATENT-3,413,510	c 09	N71-23190 *	US-PATENT-3,428,919	c 07	N69-24334 #	US-PATENT-3,453,462	c 03	N69-39983 #
US-PATENT-3,413,536	c 03	N71-24605 *	US-PATENT-3,428,923	c 07	N69-27462 #	US-PATENT-3,453,546	c 05	N71-12342 *
US-PATENT-3,414,012	c 09	N71-23191 *	US-PATENT-3,429,058	c 12	N69-39988 #	US-PATENT-3,453,878	c 09	N79-21083 #
US-PATENT-3,414,358	c 14	N71-23175 *	US-PATENT-3,429,177	c 06	N69-39733 #	US-PATENT-3,454,410	c 18	N69-39979 #
US-PATENT-3,415,032	c 15	N71-23256 #	US-PATENT-3,429,477	c 15	N69-27502 #	US-PATENT-3,454,766	c 35	N75-27329 #
US-PATENT-3,415,069	c 15	N71-24044 *	US-PATENT-3,429,756	c 76	N79-21910 #	US-PATENT-3,455,121	c 14	N71-20427 *
US-PATENT-3,415,116	c 14	N71-23790 *	US-PATENT-3,430,063	c 09	N69-27500 #	US-PATENT-3,455,171	c 23	N71-16098 *
US-PATENT-3,415,126	c 21	N71-23289 *	US-PATENT-3,430,115	c 09	N69-24318 #	US-PATENT-3,456,112	c 14	N69-39937 #
US-PATENT-3,415,156	c 15	N71-24043 *	US-PATENT-3,430,131	c 24	N71-20518 #	US-PATENT-3,456,193	c 08	N71-19763 *
US-PATENT-3,415,643	c 17	N71-23248 *	US-PATENT-3,430,182	c 14	N69-27431 #	US-PATENT-3,456,201	c 09	N69-39885 #
US-PATENT-3,416,106	c 09	N71-24808 *	US-PATENT-3,430,227	c 08	N71-19687 #	US-PATENT-3,458,104	c 15	N71-20393 #
US-PATENT-3,416,274	c 31	N71-24035 *	US-PATENT-3,430,237	c 07	N69-39974 #	US-PATENT-3,458,313	c 14	N71-17574 *
US-PATENT-3,416,939	c 18	N71-24183 *	US-PATENT-3,430,460	c 15	N69-27505 #	US-PATENT-3,458,651	c 09	N71-19449 #
US-PATENT-3,416,975	c 17	N71-23828 *	US-PATENT-3,430,902	c 14	N69-27486 #	US-PATENT-3,458,702	c 14	N71-18699 #
US-PATENT-3,416,988	c 15	N71-24164 *	US-PATENT-3,430,909	c 11	N69-27466 #	US-PATENT-3,458,726	c 10	N69-39888 #
US-PATENT-3,417,247	c 14	N71-23797 *	US-PATENT-3,430,937	c 15	N69-27483 #	US-PATENT-3,458,833	c 10	N71-19418 #
US-PATENT-3,417,266	c 09	N71-23270 *	US-PATENT-3,430,942	c 15	N69-27504 #	US-PATENT-3,458,851	c 09	N69-39734 #
US-PATENT-3,417,298	c 10	N71-23271 *	US-PATENT-3,431,149	c 14	N69-27459 #	US-PATENT-3,459,391	c 03	N71-11058 #
US-PATENT-3,417,316	c 14	N71-23174 *	US-PATENT-3,431,397	c 15	N69-27871 #	US-PATENT-3,460,378	c 14	N71-24233 *
US-PATENT-3,417,321	c 09	N71-23316 *	US-PATENT-3,431,460	c 09	N71-23189 #	US-PATENT-3,460,379	c 15	N71-24834 *
US-PATENT-3,417,332	c 07	N71-23405 *	US-PATENT-3,431,559	c 09	N69-24333 #	US-PATENT-3,460,381	c 14	N71-23725 *
US-PATENT-3,417,399	c 30	N71-23723 *	US-PATENT-3,432,730	c 09	N69-27422 #	US-PATENT-3,460,397	c 15	N71-24045 *
US-PATENT-3,417,400	c 07	N71-28809 *	US-PATENT-3,433,015	c 28	N71-20330 #	US-PATENT-3,460,759	c 28	N71-23968 #
US-PATENT-3,419,329	c 14	N71-23268 *	US-PATENT-3,433,079	c 14	N69-27503 #	US-PATENT-3,460,781	c 14	N71-23698 #
US-PATENT-3,419,363	c 17	N71-23710 *	US-PATENT-3,433,662	c 14	N71-20461 #	US-PATENT-3,460,995	c 03	N71-20407 *
US-PATENT-3,419,384	c 18	N73-28573 #	US-PATENT-3,433,818	c 06	N71-23230 #	US-PATENT-3,461,290	c 14	N71-26475 *
US-PATENT-3,419,433	c 03	N71-23187 *	US-PATENT-3,433,909	c 10	N71-23663 #	US-PATENT-3,461,393	c 10	N71-26415 *
US-PATENT-3,419,531	c 27	N79-21191 #	US-PATENT-3,433,953	c 14	N69-27484 #	US-PATENT-3,461,437	c 10	N71-26434 *
US-PATENT-3,419,537	c 06	N71-23500 *	US-PATENT-3,433,960	c 16	N69-27491 #	US-PATENT-3,461,700	c 15	N71-26346 #
US-PATENT-3,419,827	c 09	N71-23548 *	US-PATENT-3,433,961	c 14	N69-27432 #	US-PATENT-3,461,721	c 12	N71-20436 #
US-PATENT-3,419,964	c 14	N69-21363 #	US-PATENT-3,434,033	c 09	N69-39984 #	US-PATENT-3,461,855	c 05	N71-20268 #
US-PATENT-3,419,992	c 14	N71-23401 *	US-PATENT-3,434,037	c 10	N71-26414 #	US-PATENT-3,463,001	c 14	N71-20429 *
US-PATENT-3,420,069	c 15	N69-21465 #	US-PATENT-3,434,050	c 09	N71-20569 #	US-PATENT-3,463,563	c 15	N71-23812 *
US-PATENT-3,420,223	c 05	N69-21925 #	US-PATENT-3,434,064	c 09	N69-39986 #	US-PATENT-3,463,673	c 03	N71-20491 *
US-PATENT-3,420,225	c 05	N69-21473 #	US-PATENT-3,434,855	c 18	N71-24184 *	US-PATENT-3,463,679	c 17	N71-24142 *
US-PATENT-3,420,253	c 12	N69-21466 #	US-PATENT-3,434,885	c 03	N71-20492 #	US-PATENT-3,463,761	c 06	N73-30099 #
US-PATENT-3,420,338	c 15	N71-26243 *	US-PATENT-3,435,246	c 14	N69-24331 #	US-PATENT-3,463,762	c 08	N73-30100 #
US-PATENT-3,420,471	c 05	N69-21380 #	US-PATENT-3,437,394	c 14	N69-27461 #	US-PATENT-3,463,939	c 10	N71-19471 *
US-PATENT-3,420,704	c 15	N69-21460 #	US-PATENT-3,437,527	c 03	N69-24267 #	US-PATENT-3,464,012	c 14	N71-26244 *
US-PATENT-3,420,945	c 09	N69-21542 #	US-PATENT-3,437,560	c 04	N69-27487 #	US-PATENT-3,464,016	c 10	N71-19472 *
US-PATENT-3,420,978	c 05	N69-21471 #	US-PATENT-3,437,818	c 03	N71-23354 *	US-PATENT-3,464,018	c 09	N71-23525 *
US-PATENT-3,421,004	c 14	N71-19568 *	US-PATENT-3,437,832	c 09	N69-27463 #	US-PATENT-3,464,019	c 32	N71-15974 *
US-PATENT-3,421,053	c 15	N69-21472 #	US-PATENT-3,437,874	c 08	N71-20571 *	US-PATENT-3,464,051	c 15	N71-17685 *
US-PATENT-3,421,056	c 14	N69-23191 #	US-PATENT-3,437,903	c 03	N69-25146 #	US-PATENT-3,465,482	c 31	N71-16080 *
US-PATENT-3,421,105	c 09	N69-21543 #	US-PATENT-3,437,919	c 14	N69-27423 #	US-PATENT-3,465,567	c 15	N71-18579 #
US-PATENT-3,421,134	c 09	N69-21470 #	US-PATENT-3,437,935	c 09	N69-24324 #	US-PATENT-3,465,569	c 14	N71-176

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 05	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 09	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 16	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 14	N71-25892 *	US-PATENT-3,492,739	c 15	N71-15571 * #	US-PATENT-3,511,680	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 25	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-3,516,284	c 05	N71-17599 *
US-PATENT-3,469,436	c 15	N71-23817 *	US-PATENT-3,493,155	c 05	N71-12351 * #	US-PATENT-3,516,711	c 05	N71-12341 * #
US-PATENT-3,469,437	c 14	N71-24234 *	US-PATENT-3,493,153	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	c 02	N71-11043 * #	US-PATENT-3,516,970	c 06	N71-11239 * #
US-PATENT-3,470,304	c 14	N71-23267 *	US-PATENT-3,493,291	c 14	N71-15622 * #	US-PATENT-3,516,971	c 06	N71-24740 *
US-PATENT-3,470,313	c 07	N71-26579 *	US-PATENT-3,493,294	c 14	N71-15605 * #	US-PATENT-3,517,109	c 07	N71-19436 *
US-PATENT-3,470,318	c 07	N71-24612 *	US-PATENT-3,493,401	c 18	N71-14014 * #	US-PATENT-3,517,162	c 33	N71-16278 *
US-PATENT-3,470,342	c 09	N71-19610 *	US-PATENT-3,493,415	c 15	N71-15610 * #	US-PATENT-3,517,171	c 08	N71-24633 #
US-PATENT-3,470,443	c 03	N71-23239 *	US-PATENT-3,493,437	c 03	N71-11056 * #	US-PATENT-3,517,221	c 10	N71-19547 *
US-PATENT-3,470,446	c 09	N71-23188 *	US-PATENT-3,493,522	c 06	N71-11243 * #	US-PATENT-3,517,268	c 10	N71-19469 #
US-PATENT-3,470,466	c 14	N71-23699 *	US-PATENT-3,493,524	c 06	N71-11242 * #	US-PATENT-3,517,303	c 25	N71-16073 #
US-PATENT-3,470,475	c 10	N71-19467 *	US-PATENT-3,493,665	c 14	N71-15621 * #	US-PATENT-3,517,318	c 08	N71-19432 *
US-PATENT-3,470,489	c 09	N71-23598 *	US-PATENT-3,493,677	c 07	N71-11300 * #	US-PATENT-3,517,328	c 16	N71-18614 * #
US-PATENT-3,470,495	c 10	N71-23669 *	US-PATENT-3,493,711	c 15	N71-14932 * #	US-PATENT-3,518,232	c 06	N71-11235 * #
US-PATENT-3,470,496	c 09	N71-19470 *	US-PATENT-3,493,746	c 15	N71-15606 * #	US-PATENT-3,519,483	c 44	N82-24644 * #
US-PATENT-3,471,856	c 30	N71-16090 *	US-PATENT-3,493,797	c 15	N71-17652 * #	US-PATENT-3,519,484	c 44	N82-24643 * #
US-PATENT-3,471,858	c 07	N71-12391 * #	US-PATENT-3,493,805	c 09	N71-12521 * #	US-PATENT-3,520,190	c 10	N71-13537 * #
US-PATENT-3,472,019	c 10	N71-26326 *	US-PATENT-3,493,901	c 09	N71-12517 * #	US-PATENT-3,520,238	c 14	N71-18465 *
US-PATENT-3,472,059	c 14	N71-23755 *	US-PATENT-3,493,929	c 08	N71-12505 * #	US-PATENT-3,520,317	c 12	N71-17578 *
US-PATENT-3,472,060	c 14	N71-26136 *	US-PATENT-3,493,942	c 08	N71-12504 * #	US-PATENT-3,520,496	c 31	N71-16345 *
US-PATENT-3,472,069	c 15	N71-20441 *	US-PATENT-3,495,260	c 21	N71-13958 * #	US-PATENT-3,520,503	c 31	N71-16085 *
US-PATENT-3,472,080	c 10	N71-26339 *	US-PATENT-3,495,262	c 07	N71-12396 * #	US-PATENT-3,520,617	c 23	N71-16101 *
US-PATENT-3,472,086	c 15	N71-23809 *	US-PATENT-3,498,840	c 44	N82-24642 * #	US-PATENT-3,520,660	c 23	N71-16355 *
US-PATENT-3,472,140	c 14	N71-26474 *	US-PATENT-3,498,841	c 44	N82-24641 * #	US-PATENT-3,521,054	c 06	N71-13461 * #
US-PATENT-3,472,202	c 17	N71-24911 *	US-PATENT-3,500,020	c 01	N71-13411 * #	US-PATENT-3,521,143	c 08	N71-18752 *
US-PATENT-3,472,372	c 15	N71-20440 *	US-PATENT-3,500,525	c 15	N71-17688 * #	US-PATENT-3,521,290	c 31	N71-16102 *
US-PATENT-3,472,470	c 02	N71-20570 *	US-PATENT-3,500,677	c 14	N71-17584 * #	US-PATENT-3,523,228	c 10	N71-24861 *
US-PATENT-3,472,577	c 23	N71-24857 *	US-PATENT-3,500,686	c 12	N71-17569 * #	US-PATENT-3,526,030	c 15	N71-17686 *
US-PATENT-3,472,625	c 06	N71-23527 *	US-PATENT-3,500,688	c 14	N71-17587 * #	US-PATENT-3,526,134	c 33	N71-16356 *
US-PATENT-3,472,629	c 14	N71-20442 *	US-PATENT-3,500,747	c 09	N71-18599 * #	US-PATENT-3,526,139	c 31	N71-16221 *
US-PATENT-3,472,698	c 03	N71-23449 *	US-PATENT-3,500,827	c 05	N71-11203 * #	US-PATENT-3,526,140	c 27	N71-16223 *
US-PATENT-3,472,709	c 18	N71-26153 *	US-PATENT-3,501,112	c 15	N71-17693 * #	US-PATENT-3,526,359	c 33	N71-16357 *
US-PATENT-3,472,742	c 17	N71-24830 *	US-PATENT-3,501,632	c 27	N71-16348 * #	US-PATENT-3,526,365	c 28	N71-16224 *
US-PATENT-3,472,998	c 16	N71-20400 *	US-PATENT-3,501,641	c 20	N71-16340 *	US-PATENT-3,526,372	c 31	N71-16346 *
US-PATENT-3,473,050	c 09	N71-20447 *	US-PATENT-3,501,648	c 10	N71-24799 * #	US-PATENT-3,526,382	c 15	N71-17649 *
US-PATENT-3,473,116	c 25	N71-20563 *	US-PATENT-3,501,649	c 10	N71-18723 *	US-PATENT-3,526,460	c 23	N71-16365 *
US-PATENT-3,473,165	c 05	N71-26333 *	US-PATENT-3,501,664	c 14	N71-17585 * #	US-PATENT-3,526,473	c 18	N71-15545 *
US-PATENT-3,473,216	c 15	N71-20443 *	US-PATENT-3,501,683	c 15	N71-17694 *	US-PATENT-3,526,580	c 18	N71-16210 *
US-PATENT-3,473,379	c 12	N71-26387 *	US-PATENT-3,501,684	c 09	N71-26092 * #	US-PATENT-3,526,611	c 06	N71-11236 * #
US-PATENT-3,473,758	c 03	N71-20273 *	US-PATENT-3,501,701	c 08	N71-18692 * #	US-PATENT-3,526,845	c 09	N71-13531 * #
US-PATENT-3,474,192	c 07	N71-26102 *	US-PATENT-3,501,704	c 07	N71-11292 * #	US-PATENT-3,526,897	c 09	N71-13521 * #
US-PATENT-3,474,220	c 15	N71-19486 *	US-PATENT-3,501,712	c 09	N71-19516 * #	US-PATENT-3,527,724	c 27	N78-33228 * #
US-PATENT-3,474,328	c 14	N71-26266 *	US-PATENT-3,501,743	c 09	N71-18843 *	US-PATENT-3,529,480	c 15	N71-17692 *
US-PATENT-3,474,357	c 09	N71-20445 *	US-PATENT-3,501,750	c 08	N71-19288 * #	US-PATENT-3,529,928	c 17	N71-16393 #
US-PATENT-3,474,413	c 10	N71-26103 *	US-PATENT-3,501,752	c 08	N71-18595 * #	US-PATENT-3,530,336	c 09	N71-13518 * #
US-PATENT-3,474,441	c 08	N71-19544 *	US-PATENT-3,501,764	c 10	N71-18722 * #	US-PATENT-3,531,964	c 15	N71-18616 *
US-PATENT-3,475,384	c 06	N73-30103 * #	US-PATENT-3,502,051	c 15	N71-17647 *	US-PATENT-3,531,978	c 14	N71-18481 *
US-PATENT-3,475,442	c 26	N75-27125 * #	US-PATENT-3,502,074	c 05	N71-11190 * #	US-PATENT-3,531,982	c 15	N71-18132 *
US-PATENT-3,475,675	c 33	N78-17295 * #	US-PATENT-3,502,141	c 33	N71-16277 * #	US-PATENT-3,531,989	c 33	N71-15641 *
US-PATENT-3,478,514	c 37	N77-22479 * #	US-PATENT-3,502,142	c 32	N71-16428 * #	US-PATENT-3,532,118	c 12	N71-18615 *
US-PATENT-3,480,789	c 10	N71-26626 *	US-PATENT-3,503,251	c 10	N71-18724 * #	US-PATENT-3,532,128	c 15	N71-18580 *
US-PATENT-3,481,638	c 15	N71-26312 *	US-PATENT-3,504,258	c 23	N71-16341 *	US-PATENT-3,532,427	c 21	N71-19212 *
US-PATENT-3,481,802	c 31	N79-21226 * #	US-PATENT-3,504,983	c 44	N82-24645 * #	US-PATENT-3,532,428	c 30	N71-15990 *
US-PATENT-3,481,887	c 18	N71-26155 *	US-PATENT-3,506,496	c 15	N71-17650 * #	US-PATENT-3,532,538	c 18	N71-16046 *
US-PATENT-3,482,179	c 10	N71-26331 *	US-PATENT-3,507,114	c 27	N71-16392 * #	US-PATENT-3,532,551	c 03	N71-11049 * #
US-PATENT-3,483,535	c 10	N71-26418 *	US-PATENT-3,507,146	c 05	N71-11202 * #	US-PATENT-3,532,568	c 17	N71-16044 *
US-PATENT-3,484,712	c 10	N71-26374 *	US-PATENT-3,507,150	c 20	N71-16281 * #	US-PATENT-3,532,673	c 06	N71-11238 * #
US-PATENT-3,485,290	c 20	N79-21123 * #	US-PATENT-3,507,425	c 15	N71-17628 *	US-PATENT-3,532,807	c 07	N71-19433 *
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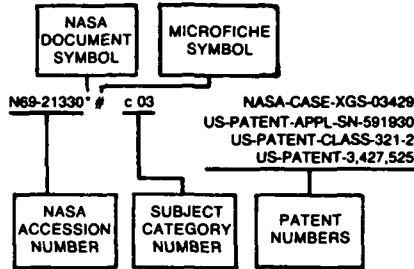
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	US-PATENT-APPL-SN-91642	N72-33681* #	c 24	NASA-CASE-LEW-10518-1			NASA-CASE-NPO-13086-1
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	US-PATENT-CLASS-317-234D			US-PATENT-CLASS-176-11	N73-12547* #	c 17	NASA-CASE-LAR-10539-1
	US-PATENT-CLASS-317-234G			US-PATENT-3,694,313			US-PATENT-APPL-SN-136085
	US-PATENT-CLASS-317-235M	N72-33696* #	c 25	NASA-CASE-GSC-11291-1			US-PATENT-CLASS-23-230R
	US-PATENT-3,686,542			US-PATENT-APPL-SN-102412			US-PATENT-3,701,631
N72-31483* #	NASA-CASE-LAR-10081-1			US-PATENT-CLASS-250-83 6R	N73-12604* #	c 18	NASA-CASE-MFS-20408
	US-PATENT-APPL-SN-104047			US-PATENT-3,694,655			US-PATENT-APPL-SN-71048
	US-PATENT-CLASS-251-331	N73-12175* #	c 08	NASA-CASE-NPO-11406			US-PATENT-CLASS-161-93
	US-PATENT-CLASS-251-86			US-PATENT-APPL-SN-95183			US-PATENT-3,700,538
	US-PATENT-3,680,830			US-PATENT-CLASS-235-152	N73-12884* #	c 30	NASA-CASE-MSC-12391
N72-31637* #	NASA-CASE-GSC-10945-1			US-PATENT-CLASS-331-78			US-PATENT-APPL-SN-106465
	US-PATENT-APPL-SN-75431			US-PATENT-CLASS-340-146 1AL			US-PATENT-CLASS-244-155
	US-PATENT-CLASS-60-23			US-PATENT-3,700,869	N73-13008* #	c 02	US-PATENT-3,700,193
	US-PATENT-CLASS-60-26	N73-12176* #	c 08	NASA-CASE-KSC-10595			NASA-CASE-GSC-11077-1
	US-PATENT-3,678,685			US-PATENT-APPL-SN-98772			US-PATENT-APPL-SN-127618
N72-32169* #	NASA-CASE-NPO-11361			US-PATENT-CLASS-235-155			US-PATENT-CLASS-244-32
	US-PATENT-APPL-SN-112988			US-PATENT-CLASS-340-347DD	N73-13114* #	c 05	US-PATENT-3,698,667
	US-PATENT-CLASS-343-781	N73-12177* #	c 08	US-PATENT-3,697,733			NASA-CASE-MSC-13604-1
	US-PATENT-CLASS-343-837			NASA-CASE-NPO-11371			US-PATENT-APPL-SN-78717
	US-PATENT-CLASS-343-840			US-PATENT-APPL-SN-117575			US-PATENT-CLASS-128-2N
	US-PATENT-CLASS-343-915			US-PATENT-CLASS-340-146 1AQ			US-PATENT-CLASS-273-1E
	US-PATENT-3,680,144			US-PATENT-CLASS-340-146 1AV			US-PATENT-CLASS-35-22R
N72-32452* #	NASA-CASE-MFS-15162	N73-12211* #	c 09	US-PATENT-3,697,950	N73-13128* #	c 06	US-PATENT-3,698,385
	US-PATENT-APPL-SN-100639			NASA-CASE-ERC-10412-1			NASA-CASE-GSC-11214-1
	US-PATENT-CLASS-350-79			US-PATENT-APPL-SN-72024			US-PATENT-APPL-SN-115134
	US-PATENT-CLASS-356-241			US-PATENT-CLASS-343-11R			US-PATENT-CLASS-117-35R
	US-PATENT-3,694,094			US-PATENT-CLASS-343-11VB	N73-13129* #	c 06	US-PATENT-3,702,775
				US-PATENT-CLASS-343-5DP			NASA-CASE-XNP-08124-2
				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		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		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
	US-PATENT-3,700,868	N73-13644* #	NASA-CASE-NPO-11481		US-PATENT-3,706,970
N73-13235* #	NASA-CASE-KSC-10003	c 21	US-PATENT-APPL-SN-134571	N73-14853* #	NASA-CASE-GSC-10590-1
c 10	US-PATENT-APPL-SN-60883		US-PATENT-CLASS-178-100 2A	c 31	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		US-PATENT-3,706,281
	US-PATENT-CLASS-307-242		US-PATENT-CLASS-348-74MD	N73-14854* #	NASA-CASE-MSC-12433
	US-PATENT-CLASS-307-259		US-PATENT-CLASS-74-5 22	c 31	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		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		US-PATENT-3,706,230
	US-PATENT-3,698,659	N73-13661* #	US-PATENT-3,700,961	N73-15235* #	NASA-CASE-NPO-12106
N73-13415* #	NASA-CASE-LAR-10855-1	c 23	NASA-CASE-MSC-12404-1	c 09	US-PATENT-APPL-SN-175881
c 14	US-PATENT-APPL-SN-166541		US-PATENT-APPL-SN-142662		US-PATENT-CLASS-317-234V
	US-PATENT-CLASS-73-147		US-PATENT-CLASS-356-106S		US-PATENT-CLASS-317-235AG
	US-PATENT-CLASS-73-182		US-PATENT-3,702,735		US-PATENT-CLASS-317-235K
	US-PATENT-CLASS-73-189	N73-13662* #	NASA-CASE-MFS-20243		US-PATENT-CLASS-331-107G
	US-PATENT-CLASS-73-212	c 23	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		US-PATENT-3,694,771
c 14	US-PATENT-APPL-SN-168650		US-PATENT-3,702,933	N73-16106* #	NASA-CASE-LAR-10668-1
	US-PATENT-CLASS-73-71 6	N73-13773* #	NASA-CASE-LEW-10374-1	c 06	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-23-232R
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	N73-13898* #	US-PATENT-3,702,536		US-PATENT-CLASS-250-83 3UV
	US-PATENT-CLASS-29-624	c 31	NASA-CASE-LAR-10549-1		US-PATENT-3,709,663
	US-PATENT-3,699,645		US-PATENT-APPL-SN-108824	N73-16121* #	NASA-CASE-NPO-11572
N73-13418* #	NASA-CASE-MFS-14216		US-PATENT-CLASS-244-139	c 07	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-MSC-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		US-PATENT-3,710,257
N73-13420* #	NASA-CASE-NPO-11418-1		US-PATENT-CLASS-52-284	N73-16205* #	NASA-CASE-NPO-11282
c 14	US-PATENT-APPL-SN-193947		US-PATENT-CLASS-52-594	c 10	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-136-45		US-PATENT-CLASS-250-205		US-PATENT-3,710,329
	US-PATENT-CLASS-251-122		US-PATENT-CLASS-250-211J	N73-16483* #	NASA-CASE-ERC-10226-1
	US-PATENT-3,700,005		US-PATENT-CLASS-250-217SS	c 14	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-307-311		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	c 14	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	N73-14429* #	US-PATENT-3,700,603		US-PATENT-CLASS-340-418
N73-13465* #	NASA-CASE-LEW-10805-1	c 14	NASA-CASE-NPO-11387		US-PATENT-3,708,674
c 15	US-PATENT-APPL-SN-29917		US-PATENT-APPL-SN-142719	N73-16536* #	NASA-CASE-LAR-10311-1
	US-PATENT-CLASS-148-11 5R		US-PATENT-CLASS-73-57	c 16	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

N73-16764* #	c 27	NASA-CASE-NPO-12015 US-PATENT-APPL-SN-74862 US-PATENT-CLASS-149-19 US-PATENT-CLASS-149-36 US-PATENT-3,708,359	N73-20176* #	c 07	US-PATENT-CLASS-73-170R US-PATENT-3,715,660 NASA-CASE-KSC-10521 US-PATENT-APPL-SN-212921 US-PATENT-CLASS-340-146 1C US-PATENT-CLASS-340-147R US-PATENT-CLASS-340-163 US-PATENT-3,715,723	N73-24472* #	c 14	NASA-CASE-LEW-11072-1 US-PATENT-APPL-SN-104885 US-PATENT-CLASS-136-225 US-PATENT-3,729,343
N73-16918* #	c 33	NASA-CASE-MSC-15567-1 US-PATENT-APPL-SN-87551 US-PATENT-CLASS-204-324 US-PATENT-CLASS-204-325 US-PATENT-CLASS-204-328 US-PATENT-3,708,419	N73-20217* #	c 08	NASA-CASE-LAR-10128-1 US-PATENT-APPL-SN-84002 US-PATENT-CLASS-235-92FQ US-PATENT-CLASS-235-92R US-PATENT-CLASS-235-92T US-PATENT-CLASS-340-347AD US-PATENT-3,714,645	N73-24473* #	c 14	NASA-CASE-MFS-20418 US-PATENT-APPL-SN-162101 US-PATENT-CLASS-129-206F US-PATENT-CLASS-324-78E US-PATENT-3,729,676
N73-19004* #	c 02	NASA-CASE-ERC-10439 US-PATENT-APPL-SN-54271 US-PATENT-CLASS-244-17 13 US-PATENT-CLASS-244-77D US-PATENT-CLASS-318-489 US-PATENT-3,711,042	N73-20231* #	c 09	NASA-CASE-ARC-10264-1 US-PATENT-APPL-SN-80368 US-PATENT-CLASS-328-167 US-PATENT-CLASS-330-109 US-PATENT-CLASS-330-86 US-PATENT-3,714,588	N73-24513* #	c 15	NASA-CASE-NPO-11417 US-PATENT-APPL-SN-120241 US-PATENT-CLASS-417-391 US-PATENT-CLASS-60-25 US-PATENT-3,732,040
N73-19234* #	c 09	NASA-CASE-GSC-11013-1 US-PATENT-APPL-SN-200717 US-PATENT-CLASS-343-754 US-PATENT-CLASS-343-839 US-PATENT-CLASS-343-854 US-PATENT-CLASS-343-895 US-PATENT-3,713,163	N73-20232* #	c 09	NASA-CASE-MFS-21433 US-PATENT-APPL-SN-236281 US-PATENT-CLASS-307-230 US-PATENT-CLASS-307-304 US-PATENT-CLASS-330-20 US-PATENT-CLASS-330-22 US-PATENT-CLASS-330-30D US-PATENT-CLASS-330-35 US-PATENT-CLASS-330-40 US-PATENT-CLASS-330-80T US-PATENT-3,715,693	N73-24569* #	c 17	NASA-CASE-LEW-10920-1 US-PATENT-APPL-SN-106424 US-PATENT-CLASS-204-192 US-PATENT-3,732,158
N73-19235* #	c 09	NASA-CASE-MFS-20407 US-PATENT-APPL-SN-116777 US-PATENT-CLASS-317-235AM US-PATENT-CLASS-317-235M US-PATENT-CLASS-317-235R US-PATENT-CLASS-317-235T US-PATENT-CLASS-317-235UA US-PATENT-3,714,526	N73-20253* #	c 10	NASA-CASE-LAR-10310-1 US-PATENT-APPL-SN-147103 US-PATENT-CLASS-235-197 US-PATENT-3,714,405	N73-24783* #	c 28	NASA-CASE-NPO-11880 US-PATENT-APPL-SN-209535 US-PATENT-CLASS-313-DIG 8 US-PATENT-CLASS-313-231 US-PATENT-CLASS-313-63 US-PATENT-CLASS-60-202 US-PATENT-3,313,204 US-PATENT-3,728,861
N73-19419* #	c 14	NASA-CASE-LAR-10226-1 US-PATENT-APPL-SN-88774 US-PATENT-CLASS-250-217R US-PATENT-CLASS-95-11.5R US-PATENT-CLASS-95-11R US-PATENT-3,712,195	N73-20254* #	c 10	NASA-CASE-NPO-11868 US-PATENT-APPL-SN-192101 US-PATENT-CLASS-307-221R US-PATENT-CLASS-328-187 US-PATENT-CLASS-328-37 US-PATENT-CLASS-328-61 US-PATENT-3,718,863	N73-24784* #	c 28	NASA-CASE-NPO-11559 US-PATENT-APPL-SN-147996 US-PATENT-CLASS-102-49.7 US-PATENT-CLASS-102-49.8 US-PATENT-CLASS-60-254 US-PATENT-CLASS-60-256 US-PATENT-3,729,935
N73-19420* #	c 14	NASA-CASE-MFS-20774 US-PATENT-APPL-SN-161028 US-PATENT-CLASS-73-84 US-PATENT-3,712,121	N73-20267* #	c 11	NASA-CASE-MFS-21362 US-PATENT-APPL-SN-211411 US-PATENT-CLASS-73-432SD US-PATENT-3,714,833	N73-25125* #	c 05	NASA-CASE-MFS-20332-2 US-PATENT-APPL-SN-195061 US-PATENT-APPL-SN-869260 US-PATENT-CLASS-128-142.5 US-PATENT-CLASS-137-538 US-PATENT-CLASS-2-2.1A US-PATENT-3,720,208
N73-19421* #	c 14	NASA-CASE-MFS-20242 US-PATENT-APPL-SN-213004 US-PATENT-CLASS-73-71.6 US-PATENT-3,712,120	N73-20474* #	c 14	NASA-CASE-ERC-10350 US-PATENT-APPL-SN-55535 US-PATENT-CLASS-340-27R US-PATENT-3,714,624	N73-25161* #	c 07	NASA-CASE-NPO-11707 US-PATENT-APPL-SN-196399 US-PATENT-CLASS-343-6.8R US-PATENT-CLASS-343-6.8R US-PATENT-CLASS-340-207 US-PATENT-3,719,891
N73-19457* #	c 15	NASA-CASE-MFS-20698-2 US-PATENT-APPL-SN-136086 US-PATENT-APPL-SN-3418 US-PATENT-CLASS-423-446 US-PATENT-CLASS-423-625 US-PATENT-3,714,332	N73-20475* #	c 14	NASA-CASE-LAR-10726-1 US-PATENT-APPL-SN-146935 US-PATENT-CLASS-250-231 US-PATENT-CLASS-250-83.3H US-PATENT-3,714,432	N73-25206* #	c 08	NASA-CASE-NPO-11497 US-PATENT-APPL-SN-155565 US-PATENT-CLASS-235-10 27 US-PATENT-CLASS-235-92CV US-PATENT-CLASS-235-92DN US-PATENT-CLASS-235-92EA US-PATENT-CLASS-235-92EV US-PATENT-CLASS-235-92R US-PATENT-3,729,129
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N76-28563* # c 38 NASA-CASE-NPO-12142-1
US-PATENT-APPL-SN-637249
US-PATENT-CLASS-73-88 5
US-PATENT-3,545,262

N76-28635* # c 44 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

N76-29217* # 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
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

N76-29347* # c 17 NASA-CASE-LEW-11390-3
US-PATENT-APPL-SN-247434
US-PATENT-APPL-SN-380046
US-PATENT-CLASS-176-11
US-PATENT-CLASS-176-16
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

N76-29551* # c 35 NASA-CASE-LAR-11907-1
US-PATENT-APPL-SN-559845
US-PATENT-CLASS-250-340
US-PATENT-CLASS-250-353
US-PATENT-3,971,840

N76-29552* # c 35 NASA-CASE-MS-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

N76-29575* # 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

N76-29588* # 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

N76-29590* # c 37 NASA-CASE-NPO-13613-1
US-PATENT-APPL-SN-574208
US-PATENT-CLASS-62-6
US-PATENT-3,971,230

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

N76-29700* # 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

N76-29701* # 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

N76-29704* # 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

N76-29891* # 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

N76-29894* # c 52 NASA-CASE-ARC-10583-1
US-PATENT-APPL-SN-301418

		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			NASA-CASE-MFS-23167-1			US-PATENT-3,984,799
N76-29895* #	c 52	US-PATENT-3,971,362	N76-31667* #	c 44	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			US-PATENT-3,977,197			US-PATENT-CLASS-244-42CG
		US-PATENT-CLASS-128-2S	N76-31714* #	c 45	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			US-PATENT-3,984,730
		NASA-CASE-NPO-13643-1			US-PATENT-CLASS-23-232E	N77-10463* #	c 34	NASA-CASE-MFS-22991-1
		US-PATENT-APPL-SN-578241			US-PATENT-CLASS-23-232E			US-PATENT-APPL-SN-521006
		US-PATENT-CLASS-128-2 05E			US-PATENT-3,977,831			US-PATENT-CLASS-165-164
		US-PATENT-CLASS-128-2 06E	N76-31946* #	c 62	NASA-CASE-GSC-12115-1			US-PATENT-CLASS-165-170
		US-PATENT-CLASS-128-2S			US-PATENT-APPL-SN-262596			US-PATENT-3,983,933
		US-PATENT-CLASS-128-418			US-PATENT-CLASS-340-347SY	N77-10492* #	c 35	NASA-CASE-NPO-13479-1
		US-PATENT-CLASS-128-419P			US-PATENT-3,976,997			US-PATENT-APPL-SN-500981
		US-PATENT-CLASS-73-398AR	N76-31998* #	c 74	NASA-CASE-MS-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			US-PATENT-3,984,681
		US-PATENT-APPL-SN-463925			US-PATENT-3,977,771	N77-10493* #	c 35	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-MS-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			US-PATENT-3,984,686
		US-PATENT-CLASS-73-432R			US-PATENT-CLASS-325-186	N77-10584* #	c 43	NASA-CASE-MS-14472-1
		US-PATENT-3,971,256			US-PATENT-CLASS-343-705			US-PATENT-APPL-SN-502138
N76-30793* #	c 52	US-PATENT-APPL-SN-452768			US-PATENT-3,978,410			US-PATENT-CLASS-235-181
		US-PATENT-CLASS-351-23	N76-32315* #	c 27	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			US-PATENT-3,984,671
		US-PATENT-RE-28,921			US-PATENT-CLASS-260-566B	N77-10635* #	c 44	NASA-CASE-MFS-22458-1
N76-31365* #	c 31	NASA-CASE-ARC-10445-1			US-PATENT-3,965,096			US-PATENT-APPL-SN-571458
		US-PATENT-APPL-SN-491418	N76-32457* #	c 33	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			US-PATENT-3,984,256
		US-PATENT-CLASS-313-309			US-PATENT-CLASS-343-915	N77-10636* #	c 44	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			NASA-CASE-LAR-11645-1			US-PATENT-CLASS-23-281
		US-PATENT-CLASS-179-1SA	N77-10001* #	c 02	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			US-PATENT-3,983,749			US-PATENT-CLASS-48-116
		US-PATENT-APPL-SN-585420	N77-10112* #	c 15	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			US-PATENT-3,744,739			US-PATENT-CLASS-48-61
		US-PATENT-APPL-SN-574219	N77-10113* #	c 15	NASA-CASE-MFS-22787-1			US-PATENT-3,982,910
		US-PATENT-CLASS-356-106S			US-PATENT-APPL-SN-511346	N77-10753* #	c 47	NASA-CASE-MFS-23362-1
		US-PATENT-CLASS-356-114			US-PATENT-CLASS-244-169			US-PATENT-APPL-SN-637288
		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			US-PATENT-3,984,072			US-PATENT-CLASS-250-347
N76-31512* #	c 36	NASA-CASE-NPO-13490-1	N77-10148* #	c 20	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			US-PATENT-CLASS-313-231 4	N77-10780* #	c 52	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			US-PATENT-3,983,753
		US-PATENT-CLASS-264-129			US-PATENT-3,983,695	N77-10899* #	c 74	NASA-CASE-MS-19442-1
		US-PATENT-CLASS-264-161			NASA-CASE-LAR-11995-1			US-PATENT-APPL-SN-558600
		US-PATENT-CLASS-264-219	N77-10213* #	c 28	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			US-PATENT-3,985,454
		US-PATENT-CLASS-264-308			US-PATENT-CLASS-86-1R	N77-11397* #	c 37	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	NASA-CASE-MS-12506-1
N76-31562* #	c 39	NASA-CASE-MS-19372-1			US-PATENT-3,983,714			US-PATENT-APPL-SN-545283
		US-PATENT-APPL-SN-517995	N77-10392* #	c 32	NASA-CASE-LAR-11827-1			US-PATENT-CLASS-340-347DD
		US-PATENT-CLASS-182-178			US-PATENT-APPL-SN-412379			US-PATENT-3,988,729
		US-PATENT-CLASS-29-467			US-PATENT-APPL-SN-561764	N77-12240* #	c 32	NASA-CASE-NPO-13543-1
		US-PATENT-CLASS-52-236			US-PATENT-CLASS-178-88			NASA-CASE-NPO-13545-1
		US-PATENT-CLASS-52-637			US-PATENT-CLASS-235-150 1			US-PATENT-APPL-SN-589173
		US-PATENT-CLASS-52-648			US-PATENT-CLASS-235-156			US-PATENT-CLASS-325-41
		US-PATENT-CLASS-52-651			US-PATENT-CLASS-325-323			US-PATENT-CLASS-340-146 1AL
		US-PATENT-CLASS-52-726			US-PATENT-CLASS-325-349			US-PATENT-CLASS-340-146 1AQ
		US-PATENT-CLASS-52-745			US-PATENT-CLASS-325-476			US-PATENT-CLASS-340-146 1AV
		US-PATENT-CLASS-52-749			US-PATENT-3,984,634			US-PATENT-3,988,677
		US-PATENT-3,977,147	N77-10428* #	c 33	NASA-CASE-NPO-13512-1	N77-12402* #	c 37	NASA-CASE-MFS-23062-1
N76-31666* #	c 44	NASA-CASE-NPO-13087-2			US-PATENT-APPL-SN-533734			US-PATENT-APPL-SN-591569
		US-PATENT-APPL-SN-296622			US-PATENT-CLASS-321-19			US-PATENT-CLASS-60-527
		US-PATENT-APPL-SN-462341			US-PATENT-CLASS-321-2			US-PATENT-3,987,630
		US-PATENT-CLASS-136-206			US-PATENT-CLASS-323-DIG 1	N77-12721* #	c 60	NASA-CASE-NPO-13428-1
					US-PATENT-CLASS-323-17			NASA-CASE-NPO-13447-1

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-596841 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 28R 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-602817 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	N77-21844* #	c 54	NASA-CASE-MFS-23074-1 US-PATENT-APPL-SN-823188 US-PATENT-CLASS-188-291 US-PATENT-CLASS-254-158 US-PATENT-4,018,423	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	N77-21841* #	c 74	NASA-CASE-NPO-11429-1 US-PATENT-APPL-SN-95189 US-PATENT-CLASS-240-41 35R US-PATENT-CLASS-240-41R US-PATENT-CLASS-240-48 13 US-PATENT-CLASS-358-236 US-PATENT-3,711,701	N77-24331* #	c 32	NASA-CASE-MSC-14840-1 US-PATENT-APPL-SN-692414 US-PATENT-CLASS-178-68 US-PATENT-CLASS-325-346 US-PATENT-CLASS-329-104 US-PATENT-CLASS-329-122 US-PATENT-4,027,265
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	N77-22386* #	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-MSC-12709-1 US-PATENT-APPL-SN-630583 US-PATENT-CLASS-307-225R US-PATENT-CLASS-328-39 US-PATENT-CLASS-328-39 US-PATENT-CLASS-328-4 8 US-PATENT-CLASS-328-63 US-PATENT-4,025,866
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N79-22373* #	c 33	NASA-CASE-KSC-11008-1			US-PATENT-APPL-SN-777983		US-PATENT-4,155,475
		US-PATENT-APPL-SN-780729			US-PATENT-CLASS-343-100TD	N79-25314* #	NASA-CASE-NPO-14410-1
		US-PATENT-CLASS-324-123C			US-PATENT-4,148,031	c 33	US-PATENT-APPL-SN-044429
		US-PATENT-CLASS-324-99D	N79-24254* #	c 33	NASA-CASE-NPO-14000-1		NASA-CASE-MFS-23720-3
		US-PATENT-CLASS-330-2			US-PATENT-APPL-SN-876431		US-PATENT-APPL-SN-848420
		US-PATENT-CLASS-330-51			US-PATENT-CLASS-307-82	N79-25443* #	US-PATENT-CLASS-73-12
		US-PATENT-CLASS-330-88			US-PATENT-CLASS-363-56		US-PATENT-CLASS-73-82
		US-PATENT-4,109,213			US-PATENT-CLASS-363-71		US-PATENT-4,154,084
N79-22474* #	c 37	NASA-CASE-MFS-23846-1			US-PATENT-CLASS-363-97	N79-25481* #	NASA-CASE-LEW-12972-1
		US-PATENT-APPL-SN-891372			US-PATENT-4,150,425	c 44	US-PATENT-APPL-SN-897829
		US-PATENT-CLASS-138-96R	N79-24257* #	c 33	NASA-CASE-NPO-14056-1		US-PATENT-CLASS-429-253
		US-PATENT-CLASS-220-266			US-PATENT-APPL-SN-833637		US-PATENT-CLASS-526-7
		US-PATENT-CLASS-239-265.15			US-PATENT-CLASS-363-134		US-PATENT-CLASS-526-9
		US-PATENT-CLASS-239-288			US-PATENT-CLASS-363-71		US-PATENT-4,154,912
		US-PATENT-CLASS-277-192			US-PATENT-CLASS-363-85	N79-25482* #	NASA-CASE-NPO-14199-1
		US-PATENT-4,146,180			US-PATENT-4,149,233	c 44	NASA-CASE-NPO-14200-1
N79-22475* #	c 37	NASA-CASE-LEW-11873-1	N79-24285* #	c 34	NASA-CASE-MSC-16841-1		US-PATENT-APPL-SN-891243
		US-PATENT-APPL-SN-814006			US-PATENT-APPL-SN-893382		US-PATENT-CLASS-136-89CA
		US-PATENT-CLASS-277-62			US-PATENT-CLASS-210-108		US-PATENT-CLASS-136-89CC
		US-PATENT-CLASS-277-90.1			US-PATENT-CLASS-210-142		US-PATENT-CLASS-136-89PC
		US-PATENT-4,145,058			US-PATENT-CLASS-73-714		US-PATENT-CLASS-136-89SJ
N79-22537* #	c 39	NASA-CASE-LAR-12027-1			US-PATENT-4,151,076	N79-26075* #	US-PATENT-4,153,476
		US-PATENT-APPL-SN-889670			NASA-CASE-NPO-13652-2	c 12	NASA-CASE-MFS-23460-1
		US-PATENT-CLASS-73-770	N79-24431* #	c 44	US-PATENT-APPL-SN-848794		US-PATENT-APPL-SN-746578
		US-PATENT-CLASS-73-810			US-PATENT-CLASS-228-5.1		US-PATENT-CLASS-13-20
		US-PATENT-4,145,933			US-PATENT-CLASS-228-6		US-PATENT-CLASS-13-22
N79-22679* #	c 46	NASA-CASE-NPO-14112-1			US-PATENT-CLASS-29-57.4		US-PATENT-CLASS-13-24
		US-PATENT-APPL-SN-826326			US-PATENT-CLASS-29-572		US-PATENT-CLASS-219-410
		US-PATENT-CLASS-102-21.6			US-PATENT-CLASS-29-739		US-PATENT-4,158,742
		US-PATENT-CLASS-166-83			US-PATENT-CLASS-29-809	N79-26100* #	NASA-CASE-ARC-11104-1
		US-PATENT-CLASS-175-1			US-PATENT-4,149,665	c 15	US-PATENT-APPL-SN-854929
		US-PATENT-CLASS-181-106			NASA-CASE-NPO-13579-3		US-PATENT-CLASS-244-121
		US-PATENT-CLASS-181-117	N79-24432* #	c 44	US-PATENT-APPL-SN-762363		US-PATENT-CLASS-260-37EP
		US-PATENT-4,148,375			US-PATENT-CLASS-126-270		US-PATENT-CLASS-260-830S
N79-23097* #	c 08	NASA-CASE-LAR-12215-1			US-PATENT-CLASS-264-1		US-PATENT-CLASS-264-102
		US-PATENT-APPL-SN-858762			US-PATENT-CLASS-264-33		US-PATENT-CLASS-264-145
		US-PATENT-CLASS-244-17.13			US-PATENT-CLASS-264-34		US-PATENT-CLASS-264-151
		US-PATENT-CLASS-244-195			US-PATENT-CLASS-264-35		US-PATENT-CLASS-264-175
		US-PATENT-CLASS-244-83G			US-PATENT-CLASS-264-510		US-PATENT-CLASS-264-236
		US-PATENT-CLASS-318-585			US-PATENT-CLASS-264-516		US-PATENT-CLASS-428-220
		US-PATENT-CLASS-318-616			US-PATENT-CLASS-264-70		US-PATENT-CLASS-428-413
		US-PATENT-CLASS-364-434			US-PATENT-CLASS-264-71		US-PATENT-CLASS-428-414
		US-PATENT-4,148,452			US-PATENT-CLASS-350-282		US-PATENT-CLASS-428-418
N79-23142* #	c 24	NASA-CASE-MSC-16366-1			US-PATENT-CLASS-350-284		US-PATENT-CLASS-428-421
		US-PATENT-APPL-SN-034529			US-PATENT-CLASS-350-296		US-PATENT-CLASS-428-920
N79-23310* #	c 32	NASA-CASE-KSC-11023-1			US-PATENT-CLASS-405-229		US-PATENT-CLASS-428-920
		US-PATENT-APPL-SN-918533			US-PATENT-CLASS-405-263	N79-26372* #	US-PATENT-4,156,752
		US-PATENT-CLASS-179-1MN			US-PATENT-4,149,817	c 35	NASA-CASE-LAR-11889-1
		US-PATENT-CLASS-179-27CA			NASA-CASE-NPO-13579-3		US-PATENT-APPL-SN-662182
		US-PATENT-CLASS-179-84VF			US-PATENT-APPL-SN-762362		US-PATENT-CLASS-308-10
		US-PATENT-4,153,818	N79-24433* #	c 44	US-PATENT-CLASS-126-270		US-PATENT-CLASS-73-178R
N79-23345* #	c 33	NASA-CASE-FRC-10116-1			US-PATENT-CLASS-264-1		US-PATENT-4,156,548
		US-PATENT-APPL-SN-885049			US-PATENT-CLASS-264-106	N79-26439* #	NASA-CASE-MFS-23726-1
		US-PATENT-CLASS-323-22T			US-PATENT-CLASS-237-1A	c 43	US-PATENT-APPL-SN-848418
		US-PATENT-4,151,456			US-PATENT-CLASS-350-268		US-PATENT-CLASS-105-161
N79-23431* #	c 37	NASA-CASE-NPO-14597-1			US-PATENT-CLASS-350-299		US-PATENT-CLASS-289-1
		US-PATENT-APPL-SN-037194			US-PATENT-4,149,521		US-PATENT-CLASS-33-1N
		NASA-CASE-MFS-23349-1	N79-24651* #	c 54	NASA-CASE-ARC-11058-2		US-PATENT-CLASS-33-1Q
		US-PATENT-APPL-SN-823061			US-PATENT-APPL-SN-753965		US-PATENT-CLASS-33-174L
		US-PATENT-CLASS-126-270			US-PATENT-APPL-SN-883094		US-PATENT-CLASS-364-560
		US-PATENT-CLASS-126-271			US-PATENT-CLASS-2-2.1A		US-PATENT-4,156,971
		US-PATENT-4,148,295			US-PATENT-CLASS-285-235	N79-26474* #	US-PATENT-4,156,971
N79-23555* #	c 46	NASA-CASE-NPO-14255-1			US-PATENT-4,091,464	c 44	NASA-CASE-LEW-13150-1
		US-PATENT-APPL-SN-830458			US-PATENT-4,151,612		US-PATENT-APPL-SN-914260
		US-PATENT-CLASS-181-115			NASA-CASE-NPO-13906-1		US-PATENT-CLASS-429-101
		US-PATENT-CLASS-181-120	N79-24652* #	c 54	US-PATENT-APPL-SN-837259		US-PATENT-CLASS-429-15
		US-PATENT-CLASS-340-12R			US-PATENT-CLASS-3-1.1		US-PATENT-4,159,366
		US-PATENT-4,153,134			US-PATENT-CLASS-3-12.5	N79-26475* #	NASA-CASE-MFS-23540-1
N79-23753* #	c 71	NASA-CASE-NPO-14134-1			US-PATENT-CLASS-414-6	c 44	US-PATENT-APPL-SN-863773
		US-PATENT-APPL-SN-861392			US-PATENT-4,149,278		US-PATENT-CLASS-29-572
		US-PATENT-CLASS-179-1DM	N79-24976* #	c 05	NASA-CASE-LEW-11890-1		US-PATENT-CLASS-29-577
		US-PATENT-CLASS-179-1MF			US-PATENT-APPL-SN-891244		US-PATENT-CLASS-29-578
		US-PATENT-CLASS-181-14F			US-PATENT-CLASS-137-15.1		US-PATENT-CLASS-29-580
		US-PATENT-CLASS-340-8LF			US-PATENT-CLASS-244-53B		US-PATENT-CLASS-357-45
		US-PATENT-4,149,034			US-PATENT-4,154,256	N79-26771* #	US-PATENT-4,156,309
N79-23798* #	c 76	NASA-CASE-NPO-13969-1	N79-25142* #	c 24	NASA-CASE-MSC-12737-1		NASA-CASE-ARC-10994-2
		US-PATENT-APPL-SN-820499			US-PATENT-APPL-SN-788045		US-PATENT-APPL-SN-759965
		US-PATENT-CLASS-156-DIG.6.8			US-PATENT-CLASS-102-105		US-PATENT-CLASS-128-660
		US-PATENT-CLASS-156-617SP			US-PATENT-CLASS-244-121		US-PATENT-CLASS-73-626
		US-PATENT-CLASS-423-345			US-PATENT-CLASS-244-163	N79-26772* #	US-PATENT-4,154,230
		US-PATENT-4,152,194			US-PATENT-CLASS-427-350	c 52	NASA-CASE-KSC-11069-1
N79-24062* #	c 24	NASA-CASE-ARC-11169-1			US-PATENT-CLASS-427-372A		US-PATENT-APPL-SN-876438
		US-PATENT-APPL-SN-840688			US-PATENT-CLASS-428-137		US-PATENT-CLASS-3-1.9
		US-PATENT-CLASS-428-366			US-PATENT-CLASS-428-282		US-PATENT-CLASS-3-12
		US-PATENT-4,146,862			US-PATENT-CLASS-428-290		US-PATENT-CLASS-3-2
					US-PATENT-CLASS-428-332	N79-27836* #	US-PATENT-4,158,895
						c 52	NASA-CASE-NPO-13910-1

	US-PATENT-APPL-SN-712270		US-PATENT-CLASS-244-1R	N80-10494* #	c 37	NASA-CASE-NPO-14384-1
	US-PATENT-CLASS-128-329R		US-PATENT-CLASS-244-163			US-PATENT-APPL-SN-880728
	US-PATENT-CLASS-128-639		US-PATENT-4,162,701			US-PATENT-CLASS-210-186
N79-28253* #	c 25	N79-31706* #	c 43		US-PATENT-CLASS-210-340
	US-PATENT-4,154,228		NASA-CASE-MFS-23725-1			US-PATENT-CLASS-239-102
	NASA-CASE-NPO-13650-1		US-PATENT-APPL-SN-848793			US-PATENT-CLASS-239-302
	US-PATENT-APPL-SN-704468		US-PATENT-CLASS-250-253			US-PATENT-CLASS-422-187
	US-PATENT-CLASS-118-49		US-PATENT-CLASS-250-272			US-PATENT-CLASS-422-199
	US-PATENT-CLASS-23-252R	N79-31752* #	c 44			US-PATENT-CLASS-422-208
	US-PATENT-CLASS-248		US-PATENT-4,165,460			US-PATENT-CLASS-422-235
	US-PATENT-CLASS-253		NASA-CASE-NPO-14205-1			US-PATENT-CLASS-422-242
	US-PATENT-CLASS-337		US-PATENT-APPL-SN-920879			US-PATENT-CLASS-423-350
	US-PATENT-CLASS-349		US-PATENT-CLASS-106-1			US-PATENT-4,169,129
	US-PATENT-CLASS-423-33-5		US-PATENT-CLASS-106-1.2			NASA-CASE-NPO-14192-1
	US-PATENT-CLASS-427-95		US-PATENT-CLASS-136-89CC	N80-10507* #	c 39	US-PATENT-APPL-SN-830562
	US-PATENT-4,033,286		US-PATENT-CLASS-252-514			US-PATENT-CLASS-181-102
N79-28307* #	c 27		US-PATENT-CLASS-29-572			US-PATENT-CLASS-181-105
	NASA-CASE-LEW-12053-2		US-PATENT-CLASS-29-589			US-PATENT-CLASS-181-105
	US-PATENT-APPL-SN-796263		US-PATENT-CLASS-357-30			US-PATENT-CLASS-367-26
	US-PATENT-CLASS-260-37N		US-PATENT-CLASS-357-65			US-PATENT-CLASS-467-28
	US-PATENT-CLASS-260-42		US-PATENT-CLASS-357-67			US-PATENT-4,168,483
	US-PATENT-CLASS-260-53		US-PATENT-CLASS-427-88			NASA-CASE-NPO-14231-1
	US-PATENT-CLASS-528-126	N79-31753* #	c 44			US-PATENT-APPL-SN-903019
	US-PATENT-CLASS-528-127		US-PATENT-4,163,678			US-PATENT-CLASS-175-78
	US-PATENT-CLASS-528-128		NASA-CASE-NPO-14467-1			US-PATENT-CLASS-73-155
	US-PATENT-CLASS-528-221		US-PATENT-APPL-SN-946994			US-PATENT-4,167,111
	US-PATENT-CLASS-528-223		US-PATENT-CLASS-136-89PC			NASA-CASE-MS-16182-1
	US-PATENT-CLASS-528-225	N79-33316* #	c 27			US-PATENT-APPL-SN-780938
	US-PATENT-CLASS-528-227		US-PATENT-4,162,928			US-PATENT-CLASS-128-142R
	US-PATENT-CLASS-528-229		NASA-CASE-LAR-12054-1			US-PATENT-CLASS-128-191R
	US-PATENT-CLASS-528-331		US-PATENT-APPL-SN-839983			US-PATENT-CLASS-128-212
	US-PATENT-CLASS-528-336		US-PATENT-CLASS-264-137			US-PATENT-4,168,706
	US-PATENT-CLASS-528-337		US-PATENT-CLASS-428-474			NASA-CASE-ARC-111006-1
	US-PATENT-CLASS-528-338		US-PATENT-CLASS-528-229			US-PATENT-APPL-SN-831633
	US-PATENT-CLASS-528-342		US-PATENT-4,166,170			US-PATENT-CLASS-415-199
	US-PATENT-CLASS-544-193	N79-33392* #	c 33			US-PATENT-CLASS-416-228
	US-PATENT-4,159,262		NASA-CASE-XMF-04494-1			US-PATENT-CLASS-416-238
N79-28342* #	c 28		US-PATENT-APPL-SN-547643			US-PATENT-4,168,939
	NASA-CASE-NPO-14260-1		US-PATENT-CLASS-200-83			NASA-CASE-GSC-12331-1
	US-PATENT-APPL-SN-861390		US-PATENT-3,378,657			US-PATENT-APPL-SN-943088
	US-PATENT-CLASS-149-19.4		NASA-CASE-XMS-01244-1			US-PATENT-CLASS-343-880
	US-PATENT-CLASS-149-19.9		US-PATENT-APPL-SN-20370			US-PATENT-CLASS-343-883
	US-PATENT-CLASS-149-20		US-PATENT-CLASS-200-114			US-PATENT-4,176,360
	US-PATENT-4,158,583	N79-33449* #	c 35			NASA-CASE-XLE-02062-1
N79-28370* #	c 31		NASA-CASE-XGS-01245-1			US-PATENT-APPL-SN-545793
	NASA-CASE-MFS-23721-1		US-PATENT-SN-134619			US-PATENT-CLASS-60-203
	US-PATENT-APPL-SN-847277		US-PATENT-CLASS-338-18			US-PATENT-CLASS-60-259
	US-PATENT-CLASS-343-14		US-PATENT-3,119,086			US-PATENT-4,171,615
	US-PATENT-CLASS-343-5NA	N79-33450* #	c 35			NASA-CASE-NPO-14474-1
	US-PATENT-4,161,731		NASA-CASE-XGS-01293-1			US-PATENT-APPL-SN-918537
N79-28415* #	c 33		US-PATENT-APPL-SN-150690			US-PATENT-CLASS-423-149
	NASA-CASE-MS-16697-1		US-PATENT-CLASS-73-400			US-PATENT-CLASS-423-293
	US-PATENT-APPL-SN-885067		US-PATENT-3,190,124			US-PATENT-CLASS-423-348
	US-PATENT-CLASS-307-119	N79-33467* #	c 37			US-PATENT-CLASS-423-417
	US-PATENT-CLASS-307-98		NASA-CASE-XMS-01077-1			US-PATENT-4,172,883
	US-PATENT-CLASS-361-170		US-PATENT-APPL-SN-228049			NASA-CASE-NPO-13830-1
	US-PATENT-4,161,661		US-PATENT-CLASS-312-319			US-PATENT-APPL-SN-703905
N79-28416* #	c 33		US-PATENT-3,123,418			US-PATENT-APPL-SN-834257
	NASA-CASE-GSC-12171-1		NASA-CASE-HON-00573-1			US-PATENT-CLASS-333-81R
	US-PATENT-APPL-SN-878542		US-PATENT-APPL-SN-129379			US-PATENT-CLASS-343-18A
	US-PATENT-CLASS-343-909		US-PATENT-CLASS-137-14			US-PATENT-CLASS-343-909
	US-PATENT-4,160,254		US-PATENT-3,134,389			US-PATENT-4,164,718
N79-28527* #	c 35		NASA-CASE-XGS-01286-1			NASA-CASE-NPO-10857-1
	NASA-CASE-NPO-13953-1		US-PATENT-APPL-SN-142583			US-PATENT-APPL-SN-888362
	US-PATENT-APPL-SN-880727		US-PATENT-CLASS-251-172			US-PATENT-CLASS-315-145
	US-PATENT-CLASS-356-237		US-PATENT-3,233,862			US-PATENT-CLASS-315-260
	US-PATENT-CLASS-356-404		NASA-CASE-NPO-14066-1			US-PATENT-CLASS-315-334
	US-PATENT-4,160,601		US-PATENT-APPL-SN-827464			US-PATENT-3,635,537
N79-28549* #	c 37		US-PATENT-CLASS-250-216			NASA-CASE-NPO-14350-1
	NASA-CASE-GSC-12297-1		US-PATENT-CLASS-250-551			US-PATENT-APPL-SN-921627
	US-PATENT-APPL-SN-880838		US-PATENT-4,166,959			US-PATENT-CLASS-250-310
	US-PATENT-CLASS-165-105		NASA-CASE-MFS-23642-1			US-PATENT-CLASS-250-492A
	US-PATENT-CLASS-357-74		US-PATENT-APPL-SN-923758			US-PATENT-CLASS-324-158T
	US-PATENT-CLASS-357-79		US-PATENT-CLASS-137-177			US-PATENT-4,172,228
	US-PATENT-CLASS-357-81		US-PATENT-CLASS-137-209			NASA-CASE-LAR-11690-1
	US-PATENT-CLASS-357-82		US-PATENT-CLASS-137-574			US-PATENT-APPL-SN-928129
	US-PATENT-CLASS-357-83		US-PATENT-CLASS-137-576			US-PATENT-CLASS-73-655
	US-PATENT-4,161,747		US-PATENT-CLASS-137-590			US-PATENT-CLASS-73-661
N79-28550* #	c 37		US-PATENT-CLASS-244-135R			US-PATENT-4,171,645
	NASA-CASE-GSC-12274-1		US-PATENT-4,168,718			NASA-CASE-GSC-12237-1
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	US-PATENT-CLASS-251-7		US-PATENT-APPL-SN-706424			US-PATENT-CLASS-331-94.5C
	US-PATENT-CLASS-72-436		US-PATENT-APPL-SN-907435			US-PATENT-CLASS-331-94.5P
	US-PATENT-CLASS-72-451		US-PATENT-CLASS-260-926			US-PATENT-4,173,001
	US-PATENT-CLASS-72-470		US-PATENT-4,092,466			NASA-CASE-XNP-08835-1
	US-PATENT-4,159,634		US-PATENT-4,168,287			US-PATENT-APPL-SN-534931
N79-28551* #	c 37		NASA-CASE-NPO-13849-1			US-PATENT-CLASS-204-224
	NASA-CASE-ARC-11052-1		NASA-CASE-NPO-13907-1			US-PATENT-3,352,774
	US-PATENT-APPL-SN-826202		US-PATENT-APPL-SN-668783			NASA-CASE-MFS-23284-1
	US-PATENT-CLASS-414-4		US-PATENT-CLASS-123-DIG.12			US-PATENT-APPL-SN-753103
	US-PATENT-4,160,508		US-PATENT-CLASS-123-179R			US-PATENT-CLASS-204-180G
N79-31228* #	c 09		US-PATENT-CLASS-123-3			US-PATENT-CLASS-204-299R
	NASA-CASE-LAR-12149-2		US-PATENT-CLASS-123-3			US-PATENT-4,040,940
	US-PATENT-APPL-SN-829314		US-PATENT-CLASS-23-288R			NASA-CASE-GSC-12322-1
	US-PATENT-APPL-SN-928131		US-PATENT-CLASS-423-650			US-PATENT-APPL-SN-907436
	US-PATENT-CLASS-35-12E		US-PATENT-CLASS-48-DIG.8			US-PATENT-CLASS-244-161
	US-PATENT-CLASS-35-12H		US-PATENT-CLASS-48-10.3			
	US-PATENT-4,164,079		US-PATENT-CLASS-48-102A			
N79-31347* #	c 24		US-PATENT-CLASS-48-107			
	NASA-CASE-GSC-12303-1		US-PATENT-CLASS-48-117			
	US-PATENT-APPL-SN-862880		US-PATENT-CLASS-48-161			
	US-PATENT-CLASS-106-74		US-PATENT-CLASS-60-300			
	US-PATENT-CLASS-106-84		US-PATENT-CLASS-60-606			
	US-PATENT-4,162,169		US-PATENT-4,033,133			
N79-31523* #	c 34					
	NASA-CASE-GSC-12253-1					
	US-PATENT-APPL-SN-853677					
	US-PATENT-CLASS-165-105					
	US-PATENT-CLASS-165-32					

	US-PATENT-CLASS-429-107		US-PATENT-CLASS-343-786		US-PATENT-APPL-SN-684045
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N84-16454* #	c 33		NASA-CASE-GSC-12645-1 US-PATENT-APPL-SN-284314 US-PATENT-CLASS-324-79R US-PATENT-CLASS-324-83A US-PATENT-CLASS-324-83R US-PATENT-CLASS-328-133 US-PATENT-CLASS-330-289 US-PATENT-4,425,543	NASA-CASE-LAR-13019-1 US-PATENT-APPL-SN-578308 NASA-CASE-LAR-12984-1 US-PATENT-APPL-SN-578387 NASA-CASE-LAR-13155-1 US-PATENT-APPL-SN-569371 NASA-CASE-LAR-12887-1 US-PATENT-APPL-SN-582493 NASA-CASE-GSC-12680-1 US-PATENT-APPL-SN-590925 NASA-CASE-LAR-13226-1 US-PATENT-APPL-SN-548583 NASA-CASE-ARC-11512-1 US-PATENT-APPL-SN-569373 NASA-CASE-LEW-14039-1 US-PATENT-APPL-SN-580419 NASA-CASE-LAR-13243-1 US-PATENT-APPL-SN-590923 NASA-CASE-ARC-11422-1 US-PATENT-APPL-SN-523991 NASA-CASE-LAR-13250-1 US-PATENT-APPL-SN-573162 NASA-CASE-MFS-25956-1 US-PATENT-APPL-SN-580397 NASA-CASE-NPO-16155-1 US-PATENT-APPL-SN-578390 NASA-CASE-LEW-14077-1 US-PATENT-APPL-SN-580573 NASA-CASE-LAR-13028-1 US-PATENT-APPL-SN-582492 NASA-CASE-LAR-13153-1 US-PATENT-APPL-SN-590921 NASA-CASE-MSC-20036-1 US-PATENT-APPL-SN-569372 NASA-CASE-GSC-12508-1 US-PATENT-APPL-SN-266253 US-PATENT-CLASS-343-353 US-PATENT-CLASS-343-357 US-PATENT-4,445,118 NASA-CASE-LAR-12541-1 US-PATENT-APPL-SN-315588 US-PATENT-CLASS-244-212 US-PATENT-CLASS-244-215 US-PATENT-CLASS-244-216 US-PATENT-CLASS-244-219 US-PATENT-4,444,368 NASA-CASE-LEW-13622-1 US-PATENT-APPL-SN-350473 US-PATENT-CLASS-364-558 US-PATENT-CLASS-73-115 US-PATENT-4,428,226 NASA-CASE-LEW-13654-1 US-PATENT-APPL-SN-245571 US-PATENT-CLASS-416-224 US-PATENT-CLASS-416-233 US-PATENT-CLASS-416-92 US-PATENT-CLASS-416-97R US-PATENT-4,411,597 NASA-CASE-LEW-13506-1 US-PATENT-APPL-SN-596960 NASA-CASE-LEW-14053-1 US-PATENT-APPL-SN-602050 NASA-CASE-MSC-20622-1 US-PATENT-APPL-SN-571616 NASA-CASE-MSC-20254-1 US-PATENT-APPL-SN-418137 US-PATENT-CLASS-244-158A US-PATENT-CLASS-52-404 US-PATENT-CLASS-52-508 US-PATENT-4,439,968 NASA-CASE-MSC-18969-1 US-PATENT-APPL-SN-368189 US-PATENT-CLASS-244-161 US-PATENT-CLASS-403-322 US-PATENT-4,431,333 NASA-CASE-MFS-15429-1 US-PATENT-APPL-SN-596959 NASA-CASE-MSC-20543-1	N84-20495* #	c 02	NASA-CASE-LAR-12984-1
N84-16455* #	c 33		NASA-CASE-MFS-25618-1 US-PATENT-APPL-SN-325932 US-PATENT-CLASS-318-789 US-PATENT-CLASS-323-243 US-PATENT-CLASS-323-246 US-PATENT-4,426,614	N84-20522* #	c 06	NASA-CASE-LAR-12984-1	
N84-16456* #	c 33		NASA-CASE-NPO-15161-1 US-PATENT-APPL-SN-325083 US-PATENT-CLASS-427-216 US-PATENT-CLASS-427-217 US-PATENT-CLASS-427-226 US-PATENT-CLASS-427-376 6 US-PATENT-CLASS-427-376 7 US-PATENT-CLASS-427-436 US-PATENT-CLASS-427-437 US-PATENT-CLASS-427-58 US-PATENT-CLASS-427-75 US-PATENT-CLASS-427-88 US-PATENT-CLASS-427-96 US-PATENT-4,388,346	N84-20628* #	c 18	NASA-CASE-LAR-13155-1	
N84-16523* #	c 35		NASA-CASE-LAR-12007-3 US-PATENT-APPL-SN-352831 US-PATENT-CLASS-33-293 US-PATENT-4,428,122	N84-20649* #	c 24	NASA-CASE-LAR-12887-1	
N84-16531* #	c 35		NASA-CASE-MFS-25963-1 US-PATENT-APPL-SN-571614	N84-20670* #	c 26	NASA-CASE-GSC-12680-1	
N84-16542* #	c 36		NASA-CASE-LAR-12870-1 US-PATENT-APPL-SN-317658 US-PATENT-CLASS-372-55 US-PATENT-CLASS-372-79 US-PATENT-4,424,592	N84-20700* #	c 27	NASA-CASE-LAR-13226-1	
N84-16560* #	c 37		NASA-CASE-MFS-25510-1 US-PATENT-APPL-SN-293414 US-PATENT-CLASS-248-228 US-PATENT-4,422,609	N84-20702* #	c 27	NASA-CASE-ARC-11512-1	
N84-16561* #	c 37		NASA-CASE-LAR-12785-1 US-PATENT-APPL-SN-297488 US-PATENT-CLASS-239-568 US-PATENT-CLASS-241-95 US-PATENT-CLASS-406-155 US-PATENT-4,428,703	N84-20782* #	c 34	NASA-CASE-LEW-14039-1	
N84-16803* #	c 54		NASA-CASE-MSC-20202-1 US-PATENT-APPL-SN-414106 US-PATENT-CLASS-128-1A US-PATENT-CLASS-128-15R US-PATENT-CLASS-128-38 US-PATENT-4,421,109	N84-20804* #	c 35	NASA-CASE-LAR-13243-1	
N84-16940* #	c 71		NASA-CASE-NPO-15592-1 US-PATENT-APPL-SN-314702 US-PATENT-CLASS-118-300 US-PATENT-CLASS-118-50 US-PATENT-CLASS-118-50 1 US-PATENT-CLASS-118-500 US-PATENT-CLASS-118-57 US-PATENT-CLASS-118-62 US-PATENT-CLASS-427-346 US-PATENT-CLASS-427-421 US-PATENT-CLASS-427-426 US-PATENT-CLASS-427-57 US-PATENT-CLASS-427-6 US-PATENT-CLASS-65-213 US-PATENT-4,425,376	N84-20808* #	c 35	NASA-CASE-ARC-11422-1	
N84-16948* #	c 71		NASA-CASE-NPO-16142-1 US-PATENT-APPL-SN-561433	N84-20859* #	c 37	US-PATENT-APPL-SN-523991	
N84-16949* #	c 71		NASA-CASE-NPO-16147-1 US-PATENT-APPL-SN-559988	N84-20860* #	c 37	US-PATENT-APPL-SN-573162	
N84-16959* #	c 72		NASA-CASE-NPO-15547-1 US-PATENT-APPL-SN-276078	N84-20917* #	c 44	NASA-CASE-MFS-25956-1	
N84-16986* #	c 74		NASA-CASE-MFS-26000-1 US-PATENT-APPL-SN-571615	N84-20918* #	c 44	US-PATENT-APPL-SN-578390	
N84-17084* #	c 89		NASA-CASE-MFS-25942-1 US-PATENT-APPL-SN-571613	N84-21053* #	c 52	NASA-CASE-LEW-14077-1	
N84-17555* #	c 35		NASA-CASE-NPO-15426-1 US-PATENT-APPL-SN-196877 US-PATENT-CLASS-210-748 US-PATENT-CLASS-422-121 US-PATENT-CLASS-422-169 US-PATENT-CLASS-422-178 US-PATENT-CLASS-422-186 US-PATENT-CLASS-55-DIG 25 US-PATENT-CLASS-55-DIG 30	N84-21274* #	c 71	US-PATENT-APPL-SN-580573	
				N84-22457* #	c 76	NASA-CASE-LAR-13028-1	
				N84-22546* #	c 04	US-PATENT-APPL-SN-582492	
				N84-22551* #	c 05	NASA-CASE-LAR-13153-1	
				N84-22559* #	c 07	US-PATENT-APPL-SN-590921	
				N84-22560* #	c 07	NASA-CASE-MSC-20036-1	
				N84-22562* #	c 07	US-PATENT-APPL-SN-569372	
				N84-22563* #	c 07	NASA-CASE-GSC-12508-1	
				N84-22596* #	c 14	US-PATENT-APPL-SN-266253	
				N84-22601* #	c 16	US-PATENT-CLASS-343-353	
				N84-22602* #	c 18	US-PATENT-CLASS-343-357	
				N84-22609* #	c 18	US-PATENT-4,445,118	
				N84-22610* #	c 18	NASA-CASE-LAR-12541-1	
						US-PATENT-APPL-SN-315588	
						US-PATENT-CLASS-244-212	
						US-PATENT-CLASS-244-215	
						US-PATENT-CLASS-244-216	
						US-PATENT-CLASS-244-219	
						US-PATENT-4,444,368	
						NASA-CASE-LEW-13622-1	
						US-PATENT-APPL-SN-350473	
						US-PATENT-CLASS-364-558	
						US-PATENT-CLASS-73-115	
						US-PATENT-4,428,226	
						NASA-CASE-LEW-13654-1	
						US-PATENT-APPL-SN-245571	
						US-PATENT-CLASS-416-224	
						US-PATENT-CLASS-416-233	
						US-PATENT-CLASS-416-92	
						US-PATENT-CLASS-416-97R	
						US-PATENT-4,411,597	
						NASA-CASE-LEW-13506-1	
						US-PATENT-APPL-SN-596960	
						NASA-CASE-LEW-14053-1	
						US-PATENT-APPL-SN-602050	
						NASA-CASE-MSC-20622-1	
						US-PATENT-APPL-SN-571616	
						NASA-CASE-MSC-20254-1	
						US-PATENT-APPL-SN-418137	
						US-PATENT-CLASS-244-158A	
						US-PATENT-CLASS-52-404	
						US-PATENT-CLASS-52-508	
						US-PATENT-4,439,968	
						NASA-CASE-MSC-18969-1	
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						US-PATENT-CLASS-244-161	
						US-PATENT-CLASS-403-322	
						US-PATENT-4,431,333	
						NASA-CASE-MFS-15429-1	
						US-PATENT-APPL-SN-596959	
						NASA-CASE-MSC-20543-1	
						US-PATENT-APPL-SN-580574	
						NASA-CASE-MSC-20505-1	
						US-PATENT-APPL-SN-519660	
						NASA-CASE-ARC-11505-1	
						US-PATENT-APPL-SN-588036	
						NASA-CASE-LEW-13837-1	
						US-PATENT-APPL-SN-495381	
						US-PATENT-CLASS-204-192C	
						US-PATENT-CLASS-204-192P	
						US-PATENT-CLASS-204-192SP	
						US-PATENT-CLASS-423-DIG 10	
						US-PATENT-CLASS-423-414	
						US-PATENT-CLASS-423-445	
						US-PATENT-CLASS-423-446	
						US-PATENT-CLASS-423-449	
						US-PATENT-4,437,962	
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						NASA-CASE-LEW-13770-6	
						US-PATENT-APPL-SN-581434	
						NASA-CASE-NPO-15210-1	
						US-PATENT-APPL-SN-322312	
						US-PATENT-CLASS-208-10	
						US-PATENT-CLASS-208-8LE	
						US-PATENT-4,443,321	
						NASA-CASE-LEW-13349-1	
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						US-PATENT-CLASS-29-623 5	
						US-PATENT-CLASS-427-115	
						US-PATENT-CLASS-427-125	
						US-PATENT-CLASS-427-126 6	
						US-PATENT-CLASS-427-296	
						US-PATENT-CLASS-427-306	
						US-PATENT-CLASS-429-223	
						US-PATENT-CLASS-429-234	
						US-PATENT-4,439,465	
						NASA-CASE-ARC-11402-1	
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						US-PATENT-CLASS-260-465 5R	
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						US-PATENT-CLASS-528-362	
						US-PATENT-CLASS-528-401	
						US-PATENT-CLASS-528-422	
						US-PATENT-CLASS-528-423	
						US-PATENT-CLASS-544-215	
						US-PATENT-CLASS-564-243	
						US-PATENT-4,434,106	
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						US-PATENT-CLASS-428-408	
						US-PATENT-CLASS-428-902	
						US-PATENT-CLASS-428-920	
						US-PATENT-CLASS-525-417	
						US-PATENT-CLASS-528-262	
						US-PATENT-CLASS-528-228	
						US-PATENT-CLASS-528-322	
						US-PATENT-CLASS-548-415	
						US-PATENT-4,395,557	
						US-PATENT-4,433,115	
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						US-PATENT-APPL-SN-447371	
						US-PATENT-CLASS-525-426	
						US-PATENT-CLASS-528-183	
						US-PATENT-CLASS-528-220	
						US-PATENT-CLASS-528-345	
						US-PATENT-CLASS-528-348	
						US-PATENT-4,395,540	
						US-PATENT-4,431,792	
						NASA-CASE-LAR-12931-1	
						US-PATENT-APPL-SN-433598	
						US-PATENT-CLASS-524-171	
						US-PATENT-CLASS-525-534	
						US-PATENT-CLASS-525-535	
						US-PATENT-CLASS-525-536	
						US-PATENT-CLASS-528-265	
						US-PATENT-CLASS-528-26	
						US-PATENT-4,431,761	
						NASA-CASE-NPO-15640-1	

	US-PATENT-APPL-SN-491125		US-PATENT-CLASS-372-32	N84-24830* #	c 31	NASA-CASE-NPO-16257-1
	US-PATENT-CLASS-525-389		US-PATENT-4,434,490			US-PATENT-APPL-SN-588164
	US-PATENT-CLASS-528-394	N84-22944* #	NASA-CASE-LEW-13526-1	N84-25015* #	c 35	NASA-CASE-ARC-11510-1
	US-PATENT-CLASS-528-399		US-PATENT-APPL-SN-358398			US-PATENT-APPL-SN-602049
	US-PATENT-CLASS-528-6		US-PATENT-CLASS-118-50 1	N84-25016* #	c 35	NASA-CASE-GSC-12911-1
	US-PATENT-CLASS-528-7		US-PATENT-CLASS-118-624			US-PATENT-APPL-SN-606426
	US-PATENT-CLASS-568-4		US-PATENT-CLASS-118-641	N84-25037* #	c 36	NASA-CASE-NPO-16030-1
	US-PATENT-CLASS-568-5		US-PATENT-CLASS-427-399			US-PATENT-APPL-SN-582494
N84-22820* #	US-PATENT-4,444,972		US-PATENT-CLASS-427-53 1	N84-25063* #	c 37	NASA-CASE-LAR-13169-1
	NASA-CASE-MS-18675-1		US-PATENT-4,434,189			US-PATENT-APPL-SN-606431
	US-PATENT-APPL-SN-266687	N84-22957* #	NASA-CASE-LEW-13269-2	N84-25164* #	c 44	NASA-CASE-NPO-16236-1
	US-PATENT-CLASS-343-17 5		US-PATENT-APPL-SN-242795			US-PATENT-APPL-SN-582495
	US-PATENT-CLASS-343-9R		US-PATENT-APPL-SN-431448	N84-25306* #	c 60	NASA-CASE-NPO-16116-1
	US-PATENT-4,439,766		US-PATENT-CLASS-415-174			US-PATENT-APPL-SN-587749
N84-22884* #	NASA-CASE-MFS-256704-1		US-PATENT-CLASS-427-34	N84-25431* #	c 72	NASA-CASE-LAR-13174-1
	US-PATENT-APPL-SN-409679		US-PATENT-CLASS-427-423			US-PATENT-APPL-SN-602105
	US-PATENT-CLASS-204-192EC		US-PATENT-CLASS-427-53 1	N84-25450* #	c 74	NASA-CASE-GSC-12897-1
	US-PATENT-4,437,961		US-PATENT-CLASS-428-155			US-PATENT-APPL-SN-606432
N84-22885* #	NASA-CASE-MFS-25535-2		US-PATENT-4,377,371	N84-26400* #	c 74	NASA-CASE-ARC-11502-1
	US-PATENT-APPL-SN-476244		US-PATENT-4,430,360			US-PATENT-APPL-SN-594134
	US-PATENT-CLASS-318-438	N84-22958* #	NASA-CASE-LEW-12590-1	N84-27713* #	c 04	NASA-CASE-NPO-15264-1
	US-PATENT-CLASS-318-729		US-PATENT-APPL-SN-229693			US-PATENT-APPL-SN-241154
	US-PATENT-CLASS-318-798		US-PATENT-CLASS-60-730			US-PATENT-CLASS-343-105R
	US-PATENT-CLASS-318-805		US-PATENT-CLASS-60-736			US-PATENT-CLASS-364-452
	US-PATENT-CLASS-318-810		US-PATENT-4,429,537	N84-27733* #	c 06	US-PATENT-4,398,918
N84-22886* #	US-PATENT-4,433,276		NASA-CASE-LEW-13670-1			NASA-CASE-LAR-12630-1
	NASA-CASE-MFS-25323-1		US-PATENT-APPL-SN-603374			US-PATENT-APPL-SN-383384
	US-PATENT-APPL-SN-297524	N84-23012* #	NASA-CASE-NPO-15656-1			US-PATENT-CLASS-340-705
	US-PATENT-CLASS-318-729		US-PATENT-APPL-SN-569370			US-PATENT-CLASS-340-971
	US-PATENT-CLASS-318-812	N84-23018* #	NASA-CASE-NPO-15496-1			US-PATENT-CLASS-340-975
	US-PATENT-4,439,718		US-PATENT-APPL-SN-379602			US-PATENT-CLASS-340-978
N84-22887* #	NASA-CASE-GSC-12567-1		US-PATENT-CLASS-290-55			US-PATENT-CLASS-340-980
	US-PATENT-APPL-SN-373839		US-PATENT-CLASS-415-DIG 8			US-PATENT-CLASS-73-178R
	US-PATENT-CLASS-330-109		US-PATENT-CLASS-415-2R			US-PATENT-4,453,163
	US-PATENT-CLASS-330-277		US-PATENT-CLASS-60-641 12	N84-27749* #	c 09	NASA-CASE-MRS-25791-1
	US-PATENT-CLASS-330-294		US-PATENT-CLASS-60-698			US-PATENT-APPL-SN-409678
	US-PATENT-4,437,069		US-PATENT-CLASS-60-716			US-PATENT-CLASS-417-159
N84-22903* #	NASA-CASE-NPO-15465-1		US-PATENT-4,433,544			US-PATENT-CLASS-73-117 1
	US-PATENT-APPL-SN-284289	N84-23019* #	NASA-CASE-LAR-12958-1	N84-27784* #	c 16	US-PATENT-4,454,753
	US-PATENT-CLASS-126-417		US-PATENT-APPL-SN-433196			NASA-CASE-MFS-25853-1
	US-PATENT-CLASS-165-DIG 6		US-PATENT-CLASS-104-DIG 4			US-PATENT-APPL-SN-418138
	US-PATENT-CLASS-165-135		US-PATENT-CLASS-204-DIG 3			US-PATENT-CLASS-244-158R
	US-PATENT-CLASS-62-DIG 1		US-PATENT-CLASS-204-129			US-PATENT-CLASS-244-172
	US-PATENT-CLASS-62-264		US-PATENT-CLASS-204-278			US-PATENT-CLASS-244-63
	US-PATENT-CLASS-62-467R		US-PATENT-CLASS-204-280			US-PATENT-4,452,412
	US-PATENT-4,423,605		US-PATENT-CLASS-423-303	N84-27787* #	c 18	NASA-CASE-MFS-25878-1
N84-22928* #	NASA-CASE-MFS-25687-1		US-PATENT-CLASS-429-111			US-PATENT-APPL-SN-431886
	US-PATENT-APPL-SN-350474		US-PATENT-4,439,301			US-PATENT-CLASS-244-172
	US-PATENT-CLASS-324-262	N84-23020* #	NASA-CASE-NPO-16024-1			US-PATENT-CLASS-244-63
	US-PATENT-CLASS-73-620		US-PATENT-APPL-SN-489692			US-PATENT-4,451,017
	US-PATENT-CLASS-73-633	N84-23093* #	NASA-CASE-ARC-11503-1			NASA-CASE-LEW-13758-1
	US-PATENT-CLASS-74-58		US-PATENT-APPL-SN-582643	N84-27829* #	c 24	US-PATENT-APPL-SN-418139
	US-PATENT-4,434,659		NASA-CASE-LEW-13107-2			US-PATENT-CLASS-73-833
N84-22929* #	NASA-CASE-MFS-25405-1	N84-23095* #	US-PATENT-APPL-SN-444124			US-PATENT-CLASS-73-856
	US-PATENT-APPL-SN-274708		US-PATENT-CLASS-156-643			US-PATENT-CLASS-73-856
	US-PATENT-CLASS-356-347		US-PATENT-CLASS-156-644			US-PATENT-4,452,088
	US-PATENT-4,428,675		US-PATENT-CLASS-156-668	N84-27855* #	c 26	NASA-CASE-LEW-13639-2
N84-22930* #	NASA-CASE-LEW-13598-1		US-PATENT-CLASS-204-192E			US-PATENT-APPL-SN-456460
	US-PATENT-APPL-SN-425203		US-PATENT-4,432,853			US-PATENT-CLASS-427-34
	US-PATENT-CLASS-101-395	N84-23113* #	NASA-CASE-MS-20261-2			US-PATENT-CLASS-427-405
	US-PATENT-CLASS-156-630		US-PATENT-APPL-SN-393581			US-PATENT-CLASS-427-419 2
	US-PATENT-CLASS-156-654		US-PATENT-CLASS-2-161R			US-PATENT-CLASS-428-632
	US-PATENT-CLASS-156-905		US-PATENT-CLASS-2-167			US-PATENT-4,451,496
	US-PATENT-CLASS-228-165		US-PATENT-4,433,439	N84-27884* #	c 27	NASA-CASE-ARC-11405-1
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N84-22931* #	NASA-CASE-NPO-15398-1		US-PATENT-APPL-SN-358089			US-PATENT-CLASS-528-271
	US-PATENT-APPL-SN-259212		US-PATENT-CLASS-310-300			US-PATENT-CLASS-528-310
	US-PATENT-CLASS-356-216		US-PATENT-CLASS-318-116			US-PATENT-CLASS-528-327
	US-PATENT-CLASS-356-234		US-PATENT-CLASS-60-721			US-PATENT-CLASS-528-331
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