



NASA SP-7039(23)
Section 2
Indexes



NASA PATENT ABSTRACTS BIBLIOGRAPHY



A CONTINUING BIBLIOGRAPHY

Section 2 • Indexes

JULY 1983

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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NASA SP-7039(04)	N69-20701 – N73-33931
NASA SP-7039(12)	N74-10001 – N77-34042
NASA SP-7039(13)	N78-10001 – N78-22018
NASA SP-7039(14)	N78-22019 – N78-34034
NASA SP-7039(15)	N79-10001 – N79-21993
NASA SP-7039(16)	N79-21994 – N79-34158
NASA SP-7039(17)	N80-10001 – N80-22254
NASA SP-7039(18)	N80-22255 – N80-34339
NASA SP-7039(19)	N81-10001 – N81-21997
NASA SP-7039(20)	N81-21998 – N81-34139
NASA SP-7039(21)	N82-10001 – N82-22140
NASA SP-7039(22)	N82-22141 – N82-34341
NASA SP-7039(23)	N83-10001 – N83-23266

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NASA SP-7039(23)
Section 2
Indexes

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 1983. This issue supersedes all previous Index Sections.



Scientific and Technical Information Branch

National Aeronautics and Space Administration

Washington, DC

1983

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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 129 citations published in this issue of the Abstract Section cover the period January 1983 through June 1983. The Index Section references over 4000 citations covering the period May 1969 through June 1983.

ABSTRACT SECTION (SECTION 1)

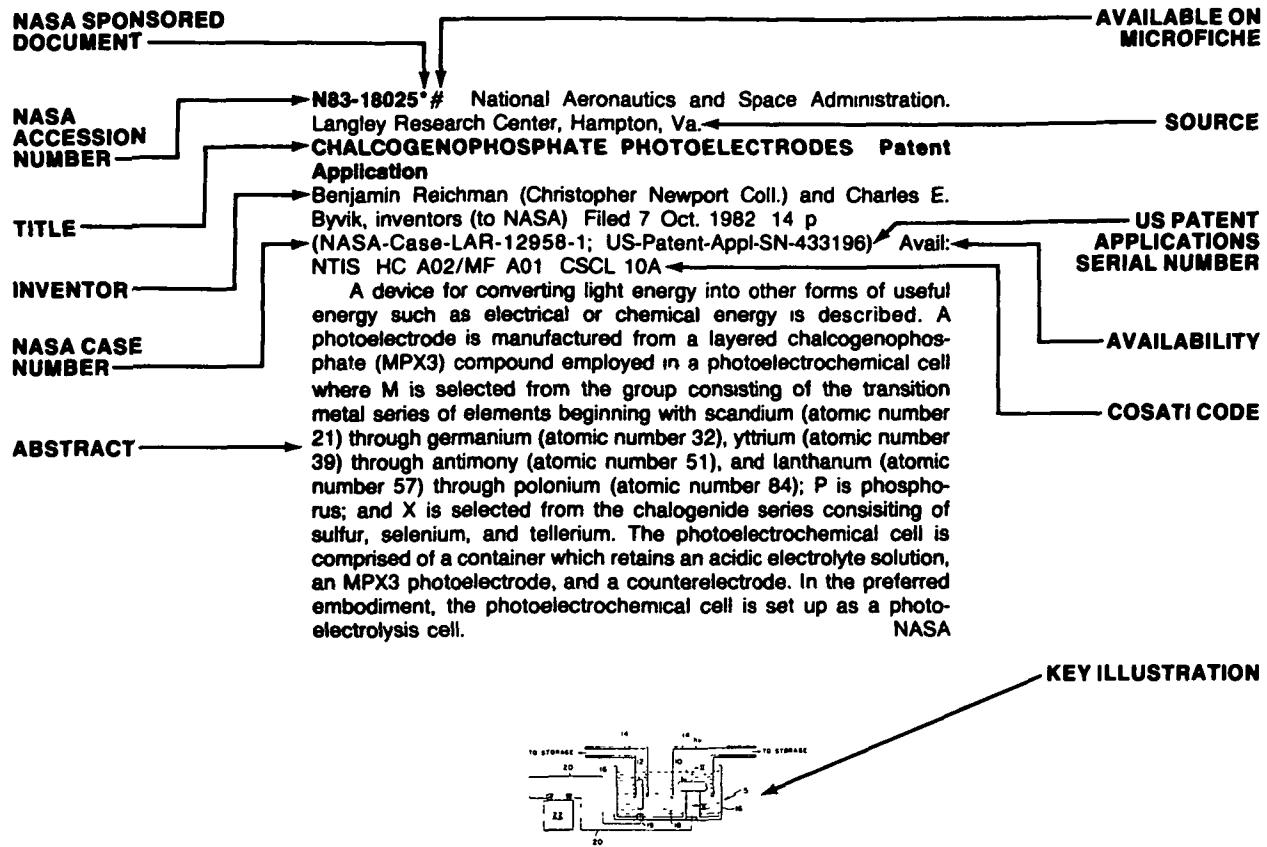
This *PAB* issue incorporates the 1975 *STAR* category revisions which include 10 major subdivisions divided into 74 specific categories and one general category/division. (See Table of Contents for the scope note of each category under which are grouped appropriate NASA inventions.) This new scheme 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



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, for fifty cents a copy. 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 (\$7.00 domestic; \$14.00 foreign). Microfiche are sold at price code A01 (\$4.50 domestic; \$9.00 foreign). 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-4, 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. Formal application of license must be submitted on the NASA Form, Application for NASA Patent License, which is available upon request from any NASA Patent Counsel.

NASA Case Number Prefix Letters	Address of Cognizant NASA Patent Counsel
ARC-xxxxx XAR-xxxx	Ames Research Center Mail Code: 200-11A Moffett Field, California 94035 Telephone: (415)965-5104
ERC-xxxxx XER-xxxxx HQN-xxxxx XHQ-xxxx	NASA Headquarters Mail Code: GP-4 Washington, D.C. 20546 Telephone: (202)755-3954
GSC-xxxxx XGS-xxxx	Goddard Space Flight Center Mail Code: 204 Greenbelt, Maryland 20771 Telephone: (301)344-7351
KSC-xxxxx XKS-xxxx	John F. Kennedy Space Center Mail Code: PT-PAT Kennedy Space Center, Florida 32899 Telephone: (305)867-2544
LAR-xxxxx XLA-xxxx	Langley Research Center Mail Code: 279 Hampton, Virginia 23365 Telephone: (804)827-8725
LEW-xxxxx XLE-xxxx	Lewis Research Center Mail Code: 500-318 21000 Brookpark Road Cleveland, Ohio 44135 Telephone: (216)433-6346
MSC-xxxxx XMS-xxxx	Lyndon B. Johnson Space Center Mail Code: AL3 Houston, Texas 77058 Telephone: (713)483-4871
MFS-xxxxx XMF-xxxx	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

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, CP-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

See:

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. 95-536 (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 licensee.

(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

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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

1245.208(b)(1)(i) and who can demonstrate to the satisfaction of NASA that such person may be damaged by the Agency action.

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

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

§ 1245.212 Protection and administration of inventions.

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

§ 1245.213 Transfer of custody.

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

§ 1245.214 Confidentiality of information.

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

James M. Beggs,
Administrator.

October 15, 1981.

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

BILLING CODE 7510-01-4

FOREIGN PATENT LICENSING REGULATIONS

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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 Lasers 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 -)

AERONAUTICS

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

For related information see also *Aeronautics*

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 aeronautics (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**

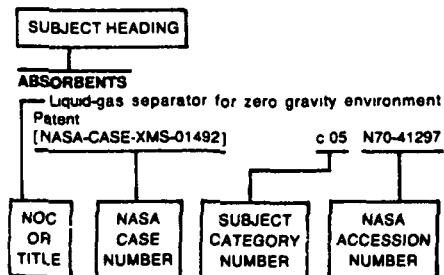
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SUBJECT INDEX

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

JULY 1983

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, 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 N82-24973

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

SUBJECT HEADING		ABSORBENTS		ABSORPTION CROSS SECTIONS	
NO. OR TITLE	NASA CASE NUMBER	SUBJECT CATEGORY NUMBER	NASA ACCESSION NUMBER	[NASA-CASE-XMS-01492]	c 05 N70-41297
				Liquid-gas separator for zero gravity environment	
				Patent	
				[NASA-CASE-XMS-01492]	
				c 05 N70-41297	
				Ablative system	c 33 N72-25911
				Ablative system	c 33 N73-25952
				Ablation article and method	c 33 N73-27796
				Dual measurement ablation sensor	c 34 N74-15652
				[NASA-CASE-LAR-10105-1]	c 34 N74-15652
				Sprayable low density ablator and application process	c 24 N78-24290
				[NASA-CASE-MFS-23506-1]	c 24 N78-24290
				Intumescing-ablator coatings using endothermic fillers	c 24 N78-27180
				[NASA-CASE-ARC-11043-1]	c 24 N78-27180
				Cork-resin ablative insulation for complex surfaces and method for applying the same	c 24 N80-26388
				[NASA-CASE-MFS-23626-1]	c 24 N80-26388
				Controlled overspray spray nozzle	c 34 N82-13376
				[NASA-CASE-MFS-25139-1]	c 34 N82-13376
				Thermal protection system	c 24 N82-26389
				[NASA-CASE-MSC-18796-1]	c 24 N82-26389
				ABORT APPARATUS	
				Coupling for linear shaped charge	Patent
				[NASA-CASE-XLA-00189]	c 33 N70-36846
				ABRASION	
				Composite seal for turbomachinery	c 37 N82-19540
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				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 N82-24344
				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 52 N82-26960
				ABSORBERS (EQUIPMENT)	
				Vanable 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
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				[NASA-CASE-XMS-05303]	c 07 N69-27462
				Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator	
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				Filter system for control of outgas contamination in vacuum	
				[NASA-CASE-MFS-14711]	c 15 N71-26185
				Constant temperature heat sink for calorimeters	
				[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
				ABSORPTION SPECTRA	
				Penetrating radiation system for detecting the amount of liquid in a tank	
				Patent	
				[NASA-CASE-MSC-12280]	c 27 N71-16348
				ABSORPTIVITY	
				Stark effect spectrophotometer for continuous absorption spectra monitoring -- a technique for gas analysis	
				[NASA-CASE-NPO-15102-1]	c 25 N81-25159
				Spectrophotometer stabilized laser with line center offset frequency control	
				[NASA-CASE-NPO-15516-1]	c 36 N82-26652
				AC GENERATORS	
				Detector absorptivity measuring method and apparatus	
				[NASA-CASE-LAR-10907-1]	c 35 N76-29551
				AC GENERATORS	
				Signal generator	
				[NASA-CASE-XNP-05612]	c 09 N69-21468
				Superconducting alternator	
				[NASA-CASE-XLE-02824]	c 03 N69-39890
				Superconducting alternator	
				[NASA-CASE-XLE-02823]	c 09 N71-23443
				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	
				Patent	
				[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
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[NASA-CASE-XLA-01027] c 31 N71-24035
- Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
- AEROSPACEPLANES**
Multistage aerospace craft — perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907
- AFTERBODIES**
Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
- Missile rolling tail brake torque system — simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675
- AFTERBURNING**
Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374

AGGLOMERATION

AGGLOMERATION

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

AGING (MATERIALS)

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

AGRICULTURE

Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

AILERONS

Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

AIR

Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710

AIR BREATHING ENGINES

Multipie pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

AIR CONDITIONING

Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583

Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776

AIR CONDITIONING EQUIPMENT

Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721

Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902

AIR COOLING

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

Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129

AIR FILTERS

Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457

AIR FLOW

Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287

Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366

Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915

Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144

Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902

Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190

Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456

Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418

Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384

Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089

Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366

AIR INTAKES

Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981

Reversed cowl flap inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736

Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

AIR JETS

Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 34 N82-20465

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N82-33567

AIR LOCKS

Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968

Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095

An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840

Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136

Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900

AIR NAVIGATION

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

AIR POLLUTION

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461

Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284

Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585

Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656

Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742

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

Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497

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

Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 45 N83-18089

AIR PURIFICATION

High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588

Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721

Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280

AIR SAMPLING

Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824

Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401

Mobile sampler for use in acquiring samples of terrestrial atmospheric gasses
[NASA-CASE-NPO-15220-1] c 35 N81-24414

Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

AIR TRAFFIC CONTROL

Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287

Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948

Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080

AIRBORNE EQUIPMENT

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

AIRBORNE/SPACEBORNE COMPUTERS

Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602

Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914

AIRCRAFT

System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483

Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391

AIRCRAFT ACCIDENTS

Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948

AIRCRAFT ANTENNAS

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

AIRCRAFT COMPARTMENTS

Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

AIRCRAFT CONFIGURATIONS

Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255

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

Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005

Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

AIRCRAFT CONSTRUCTION MATERIALS

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525

AIRCRAFT CONTROL

Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038

Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570

Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110

High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128

Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595

Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004

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

Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004

Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930

High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914

Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097

Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152

Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240

Magnetic heading reference
[NASA-CASE-ARC-12638-1] c 04 N82-26260

Hinged strake aircraft control system
[NASA-CASE-LAR-12860-1] c 05 N82-26278

AIRCRAFT DESIGN

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005

Multi-stage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914

Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086

Helicopter rotor airfoil
[NASA-CASE-LAR-12396-1] c 02 N79-24958

AIRCRAFT DETECTION

Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211

Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

AIRCRAFT ENGINES

Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118

Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

AIRCRAFT EQUIPMENT

Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437

Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

SUBJECT INDEX

AIRCRAFT FUEL SYSTEMS

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

AIRCRAFT GUIDANCE

Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420

Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231

AIRCRAFT HAZARDS

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

AIRCRAFT HYDRAULIC SYSTEMS

Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

AIRCRAFT INSTRUMENTS

Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807

Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824

Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157

Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114

Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

AIRCRAFT LANDING

Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858

Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619

Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930

Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280

Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083

Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

AIRCRAFT LAUNCHING DEVICES

Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076

AIRCRAFT MANEUVERS

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

AIRCRAFT MODELS

Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926

Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246

Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014

AIRCRAFT NOISE

Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232

AIRCRAFT PERFORMANCE

Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257

AIRCRAFT PILOTS

Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597

AIRCRAFT SAFETY

Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807

Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643

Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

AIRCRAFT STABILITY

Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422

Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004

AIRCRAFT STRUCTURES

Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003

Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085

Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129

Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230

Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737

AIRCRAFT TIRES

Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402

Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443

AIRCRAFT WAKES

System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300

AIRFOIL PROFILES

Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

AIRFOILS

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411

Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083

Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077

AIRFRAMES

Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 03 N81-29107

AIRSPEED

Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858

Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

ALCOHOLS

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

ALDEHYDES

Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239

Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242

Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214

Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188

Polyvinyl alcohol cross-linked with 2 aldehydes
[NASA-CASE-LEW-13524-1] c 27 N83-15465

ALIGNMENT

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

ALKYL COMPOUNDS

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

Rotary target V-block --- aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876

ALIPHATIC COMPOUNDS

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

ALKALI HALIDES

Fire extinguishing materials
[NASA-CASE-ARC-11252-1] c 25 N82-12168

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

Fire extinguishing materials
[NASA-CASE-ARC-11252-1] c 25 N82-12168

Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596

ALKALINE BATTERIES

Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-KNP-01464] c 03 N71-10728

Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491

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

Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530

Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597

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

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

Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603

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ALKYNES

High performance channel injection sealant invention
abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

ALLOYS

Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

ALPHA PARTICLES

Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334

ALPHANUMERIC CHARACTERS

X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517

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[NASA-CASE-XGS-01784] c 10 N71-20782

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[NASA-CASE-NPO-13801-1] c 36 N78-18410

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Reflected-wave maser -- low noise amplifier
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- Massively parallel processor computer
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- Barium release system
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- Rotating space station simulator Patent
 [NASA-CASE-XLA-03127] c 11 N71-10776
 Artificial gravity spin deployment system Patent
 [NASA-CASE-XNP-02595] c 31 N71-21881
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 [NASA-CASE-LEW-11101-1] c 31 N73-32750

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- Gravity gradient attitude control system Patent
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- Variable sweep wing aircraft Patent
 [NASA-CASE-XLA-00221] c 02 N70-33266
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 [NASA-CASE-XLA-00166] c 02 N70-34178
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- Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
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- Locomotion and restraint aid Patent
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- Training vehicle for controlling attitude Patent
 [NASA-CASE-XMS-02977] c 11 N71-10746
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- Guidance and maneuver analyzer Patent
 [NASA-CASE-XNP-09572] c 14 N71-15621

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- Apparatus for photographing meteors
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- Solar optical telescope dome control system Patent
 [NASA-CASE-MSC-10966] c 14 N71-19568
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 [NASA-CASE-NPO-11087] c 23 N71-29125

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- Asymmetric polyimide separation membrane and method
 [NASA-CASE-NPO-15431-1] c 25 N81-29178
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 [NASA-CASE-ARC-11359-1] c 27 N82-28444

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- Chelate-modified polymers for atmospheric gas chromatography
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 [NASA-CASE-NPO-15220-1] c 35 N81-24414

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- System for indicating fuel-efficient aircraft altitude
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- Fight craft Patent
 [NASA-CASE-XAC-02058] c 02 N71-16087
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 [NASA-CASE-XLA-06232] c 25 N71-20563
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 [NASA-CASE-KSC-10730-1] c 14 N73-32318

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- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
 [NASA-CASE-NPO-14474-1] c 26 N80-14229

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- Geodetic distance measuring apparatus
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- Clear air turbulence detector
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- Microwave limb sounder -- measuring trace gases in the upper atmosphere
 [NASA-CASE-NPO-14544-1] c 46 N82-12685

- Method of an apparatus for measuring temperature and pressure -- remote sensing of the atmosphere
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- System for indicating fuel-efficient aircraft altitude
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- Means and method for calibrating a photon detector utilizing electron-photon coincidence
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- Cryogenic cooling system Patent
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 [NASA-CASE-MFS-25631-1] c 34 N82-10360

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

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

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- Rotary vane attenuator whern rotor has orthogonally disposed resistive and dielectric cards
 [NASA-CASE-NPO-11418-1] c 14 N73-13420

Pulse transducer with artifact signal attenuator

- heart rate sensors
 [NASA-CASE-FRC-11012-1] c 52 N80-23969

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- Analog spatial maneuver computer
 [NASA-CASE-GSC-10880-1] c 08 N72-11172

Spacecraft attitude sensor

- [NASA-CASE-GSC-10890-1] c 21 N73-30640
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- Visual target for retrofire attitude control
 [NASA-CASE-XMS-12158-1] c 31 N69-27499

Three axis controller Patent

- [NASA-CASE-XFR-00181] c 21 N70-33279

- Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
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Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938
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[NASA-CASE-XNP-00676] c 15 N70-38996
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[NASA-CASE-XNP-03914] c 21 N71-10771
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Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
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[NASA-CASE-XLA-04063] c 31 N71-33160
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
Temperature compensated digital inertial sensor -- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094
Sun direction detection system
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- ATTITUDE GYROS**
- Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
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- ATTITUDE INDICATORS**
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[NASA-CASE-XNP-00438] c 21 N70-35089
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Combined optical attitude and altitude indicating instrument Patent
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Head-up attitude display
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Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
Air speed and attitude probe
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[NASA-CASE-FRC-11043-1] c 06 N81-22048
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[NASA-CASE-NPO-11147] c 14 N72-27408
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- AUDITORY SIGNALS**
- Audio signal processor Patent
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[NASA-CASE-NPO-11631] c 10 N73-12244
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- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N81-24446
- AUSTENITIC STAINLESS STEELS**
- Nickel aluminide coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
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- AUTOCLAVES**
- System for sterilizing objects -- cleaning space vehicle systems
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- Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
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- Bus voltage compensation circuit for controlling direct current motor
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[NASA-CASE-XNP-02029] c 14 N70-41955
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
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- 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
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- Multiple rate digital command detection system with range clean-up capability [NASA-CASE-NPO-13753-1] c 32 N77-20289
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- Biomedical ultrasonoscope [NASA-CASE-ARC-10994-2] c 52 N79-26771
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BISMUTH COMPOUNDS

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[NASA-CASE-XGS-00823] c 10 N71-15910

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Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333

Transition tracking bit synchronization system
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[NASA-CASE-NPO-11302-1] c 07 N73-13149

Method and apparatus for a single channel digital communications system -- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132

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

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Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103

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[NASA-CASE-NPO-10636] c 08 N72-25210

Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263

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[NASA-CASE-XLE-01399] c 33 N71-15625

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

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

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[NASA-CASE-LEW-12313-1] c 37 N78-10468

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[NASA-CASE-XMS-04072] c 15 N70-42017

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[NASA-CASE-NPO-13930-1] c 52 N79-14749

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[NASA-CASE-NPO-14101-1] c 52 N80-14687

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[NASA-CASE-MSC-14836-1] c 52 N82-11770

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Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06661] c 05 N71-23317

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[NASA-CASE-MSC-13999-1] c 52 N74-26626

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[NASA-CASE-GSC-11531-1] c 52 N74-27566

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BLOOD VESSELS

Non-invasive method and apparatus for measuring pressure within a pliable vessel
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BLUFF BODIES

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

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[NASA-CASE-XGS-02884] c 15 N71-22705

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[NASA-CASE-XGS-01023] c 14 N71-22992

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Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891

Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605

BODY KINEMATICS

Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092

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[NASA-CASE-ARC-11052-1] c 37 N79-28551

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Minature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580

Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N81-24718

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[NASA-CASE-XMS-10269] c 05 N71-24147

Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894

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[NASA-CASE-MSC-13972-1] c 52 N74-10975

Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N81-24716

BODY WING CONFIGURATIONS

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[NASA-CASE-FRC-10092-1] c 05 N79-12061

Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

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[NASA-CASE-XLE-00785] c 33 N71-16104

Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915

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Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057

Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232

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[NASA-CASE-XGS-01245-1] c 35 N79-33449

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Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667

Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601

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[NASA-CASE-XMF-04986] c 14 N71-17658

Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489

Fastener stretcher
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[NASA-CASE-XGS-00963] c 15 N69-39735

Bonded joint and method -- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064

Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260

Strain arrestor plate for fused silica tile -- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264

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[NASA-CASE-GSC-11577-3] c 24 N79-25143

Method of making a partial interlamellar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

Attachment system for silica tiles -- thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456

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[NASA-CASE-LEW-13028-1] c 27 N82-33521

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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

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Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191

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[NASA-CASE-GSC-10566-1] c 15 N72-18477

Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

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[NASA-CASE-XMF-00389] c 31 N70-34176

Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588

Orbiter/launch system
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[NASA-CASE-XMF-00640] c 15 N70-39924

Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588

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[NASA-CASE-XLA-03661] c 15 N71-33518

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[NASA-CASE-NPO-14231-1] c 46 N80-10709

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[NASA-CASE-XHQ-03903] c 15 N69-21922

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Method and apparatus for strengthening boron fibers -- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385

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Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233

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Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

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[NASA-CASE-MFS-20831] c 28 N71-29153

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[NASA-CASE-LEW-11593-1] c 20 N76-14190

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[NASA-CASE-XFR-02007] c 12 N71-24692

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[NASA-CASE-XLE-05230] c 14 N72-27410

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Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133

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Electrical servo actuator bracket --- fuel control valves on jet engines
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[NASA-CASE-XLA-00754] c 15 N70-34850

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Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17852

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

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

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

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[NASA-CASE-MSC-14435-1] c 37 N76-18455

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[NASA-CASE-XAC-01158] c 15 N71-23051

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Broadband choke for antenna structure
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[NASA-CASE-MSC-12101] c 09 N71-18720

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[NASA-CASE-NPO-10096] c 07 N71-24583

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

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

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[NASA-CASE-XLE-14864-1] c 74 N83-19597

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[NASA-CASE-XNP-10854] c 10 N71-26331

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

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[NASA-CASE-XNP-04162-1] c 08 N70-34675

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[NASA-CASE-NPO-12107] c 08 N71-27255

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[NASA-CASE-KSC-10397] c 08 N72-25206

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

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[NASA-CASE-XMF-01899] c 31 N70-41948

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[NASA-CASE-XMS-00893] c 07 N70-40063

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[NASA-CASE-XLE-03494] c 27 N71-21819

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[NASA-CASE-NPO-14103-1] c 28 N78-31255

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[NASA-CASE-XLE-00144] c 28 N70-34860

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[NASA-CASE-XMF-00640] c 15 N70-39924

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

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

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

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

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

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

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

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

Ion beam sputter etched ventricular catheter for hydrocephalus shunt
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[NASA-CASE-LAR-10129-1] c 15 N73-25512

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[NASA-CASE-XNP-00738] c 09 N70-38201

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

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

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

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

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

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

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[NASA-CASE-GSC-12289-1] c 37 N80-32717

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

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High field CdS detector for infrared radiation
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[NASA-CASE-MFS-20994-1] c 35 N75-12271

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

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[NASA-CASE-XLE-08511-2] c 18 N71-16105

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CALCIUM OXIDES

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[NASA-CASE-ERC-10338] c 04 N72-33072

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

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[NASA-CASE-GSC-12652-1] c 52 N82-26961

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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-XMF-04134] c 14 N71-23755

Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606

Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914

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

Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390

System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132

In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092

Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932

Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432

High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347

Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392

Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402

Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

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[NASA-CASE-LAR-12743-1] c 35 N82-32661

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[NASA-CASE-NPO-15920-1] c 32 N82-33593

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Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051

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[NASA-CASE-GSC-11434-1] c 34 N74-27859

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[NASA-CASE-MFS-23923-1] c 35 N81-19426

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[NASA-CASE-XNP-00637] c 14 N70-40273

Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060

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[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

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[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 therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410

Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441

On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431

Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322

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[NASA-CASE-MFS-22537-1] c 35 N75-27328

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CAM controlled retractable door latch
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Thrust and direction control apparatus Patent

[NASA-CASE-XLE-03583] c 31 N71-17629

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[NASA-CASE-LAR-11932-1] c 05 N78-32086

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[NASA-CASE-LAR-12751-1] c 37 N82-26675

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[NASA-CASE-KSC-11042-1] c 09 N82-29330

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[NASA-CASE-XLA-01446] c 15 N71-21526

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Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418

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

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[NASA-CASE-XKS-03495] c 14 N69-39785

Floating two force component measuring device
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[NASA-CASE-XAC-04885] c 14 N71-23790

Thin film capacitive bolometer and temperature sensor
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[NASA-CASE-NPO-10607] c 09 N71-27232

Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21628] 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

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[NASA-CASE-XNP-02899-1] c 33 N79-21265

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Electrical discharge apparatus for forming Patent

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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

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Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937

Space vehicle electrical system Patent

[NASA-CASE-XMF-00517] c 03 N70-34157

Apparatus having coaxial capacitor structure for measuring fluid density Patent

[NASA-CASE-XLE-00143] c 14 N70-36618

Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent

[NASA-CASE-XLE-01246] c 14 N71-10797

Capacitor and method of making same Patent

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

Measurement of time differences between luminous events Patent

[NASA-CASE-XLA-01987] c 23 N71-23976

Ripple indicator
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Thermodielectric radiometer utilizing polymer film
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Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762

Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716

High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373

Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

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Dynamic capacitor having a peripherally driven element and system incorporating the same
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[NASA-CASE-XLE-03307] c 33 N71-14035

Fluid lubricant system Patent

[NASA-CASE-XNP-03972] c 15 N71-23048

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[NASA-CASE-XLA-08911] c 15 N71-27214

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[NASA-CASE-LAR-11726-1] c 37 N76-27568

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Fluid flow restrictor Patent

[NASA-CASE-NPO-10117] c 15 N71-15608

Water separating system Patent

[NASA-CASE-XMS-13052] c 14 N71-20427

Mercury capillary interrupter Patent

[NASA-CASE-XNP-02251] c 12 N71-20896

Diffused waveguiding capillary tube with distributed feedback for a gas laser
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[NASA-CASE-NPO-10373] c 03 N71-18698

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Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904

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[NASA-CASE-XNP-03835] c 06 N71-23499

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Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

Electrophotolytic oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166

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[NASA-CASE-LEW-13653-1] c 44 N82-22672

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[NASA-CASE-NPO-15426-1] c 45 N83-20447

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Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266

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Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent

[NASA-CASE-XLA-00284] c 15 N71-16075

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[NASA-CASE-NPO-13904-1] c 25 N79-11152

CARBON DIOXIDE

Techniques for insulating cryogenic fuel containers
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[NASA-CASE-XLA-01967] c 31 N70-42015

Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408

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[NASA-CASE-MSC-12239-1] c 52 N79-21750

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[NASA-CASE-ERC-10178] c 16 N71-24832

Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391

Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427

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Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
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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

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Low density bismaleimide-carbon microballoon composites

[NASA-CASE-ARC-11040-1] c 24 N79-16915

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[NASA-CASE-LEW-12119-1] c 37 N80-28711

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[NASA-CASE-LEW-13226-1] c 27 N81-17260

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[NASA-CASE-MSC-20254-1] c 24 N83-17601

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[NASA-CASE-MFS-10512] c 06 N73-30099

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[NASA-CASE-ARC-113261-1] c 25 N80-31490

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[NASA-CASE-ARC-11176-1] c 27 N82-18389

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[NASA-CASE-ARC-11405-1] c 27 N83-12239

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[NASA-CASE-XGS-01231] c 14 N70-41676

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Contour detector and data acquisition system for the left ventricular outline

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

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Reference apparatus for medical ultrasonic transducer

[NASA-CASE-ARC-10753-1] c 54 N75-27760

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Myocardium wall thickness transducer and measuring method

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

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[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

Low X-ray absorption aneurism clips

[NASA-CASE-LAR-12650-1] c 52 N81-29768

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Portable pallet weight apparatus

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Bi-carrier demodulator with modulation Patent

[NASA-CASE-XMF-01160] c 07 N71-11288

Automatic carrier acquisition system

[NASA-CASE-NPO-11628-1] c 07 N73-30113

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[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

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

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[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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[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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Endless tape cartridge Patent

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[NASA-CASE-XNP-09832] c 30 N71-23723

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[NASA-CASE-LEW-13120-1] c 27 N82-28440

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[NASA-CASE-NPO-13849-1] c 28 N80-10374

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[NASA-CASE-XNP-00876] c 28 N70-41311

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[NASA-CASE-ARC-10132-1] c 09 N71-24597

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[NASA-CASE-XNP-01383] c 09 N71-10659

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[NASA-CASE-XGS-04987] c 08 N71-20571

Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent

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[NASA-CASE-ERC-10098] c 09 N71-28618

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

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CAVITATION FLOW

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Variable width pulse integrator Patent

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EXTENSOMETERS

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- Conductive elastomeric extensometer
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- Amplifying ribbon extensometer
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- Laser extensometer
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- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

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- Decoupler pylon wing/store flutter suppressor
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- Space Shuttle with improved external propellant tank
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- Chassis unit insert tightening-extract device
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- Absorbent product and articles made therefrom
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- Spray applicator for spraying coatings and other fluids in space
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- Extrusion can
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- Brazing alloy binder
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- Continuous coal processing method
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- Ophthalmic method and apparatus
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- Corneal seal device
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- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
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- Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- Visual examination apparatus
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- Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857

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- Pressure variable capacitor
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- Method of making a regeneratively cooled combustion chamber Patent
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- Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications

- [NASA-CASE-NPO-14000-1] c 33 N79-24254
- Apparatus for sensor failure detection and correction in a gas turbine engine control system

- [NASA-CASE-LEW-12907-2] c 07 N81-19115
- Reconfiguring redundancy management

- [NASA-CASE-MSC-18498-1] c 60 N82-29013

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- Fatigue failure load indicator

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- Inverter ratio failure detector

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- Method and system for ejecting fairing sections from a rocket vehicle

- [NASA-CASE-GSC-10590-1] c 31 N73-14853

- Low-drag ground vehicle particularly suited for use in safely transporting livestock

- [NASA-CASE-FRC-11058-1] c 85 N82-33288

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- Gravimeter Patent

- [NASA-CASE-XMF-05844] c 14 N71-17587

- FAR INFRARED RADIATION

- Collimator of multiple plates with axially aligned identical random arrays of apertures

- [NASA-CASE-MFS-20546-2] c 14 N73-30389

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- Transient heat transfer gauge Patent

- [NASA-CASE-XNP-09802] c 33 N71-15641

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- Faraday rotation measurement method and apparatus

- [NASA-CASE-NPO-14839-1] c 35 N82-15381

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- [NASA-CASE-NPO-15519-1] c 32 N82-12298

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- Force measuring instrument Patent

- [NASA-CASE-XMF-00456] c 14 N70-34705

- Life preserver Patent

- [NASA-CASE-XMS-00864] c 05 N70-36493

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- [NASA-CASE-XLA-01807] c 15 N71-10799

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- [NASA-CASE-ARC-10140-1] c 15 N71-17653

- Methods and apparatus employing vibratory energy for wrenching Patent

- [NASA-CASE-MFS-20586] c 15 N71-17686

- Coaxial cable connector Patent

- [NASA-CASE-XNP-04732] c 09 N71-20851

- Latching mechanism Patent

- [NASA-CASE-XMS-03745] c 15 N71-21076

- Central spar and module joint Patent

- [NASA-CASE-XNP-02341] c 15 N71-21531

- Threadless fastener apparatus Patent

- [NASA-CASE-XFR-05302] c 15 N71-23254

- Flexibly connected support and skin Patent

- [NASA-CASE-XLA-01027] c 31 N71-24035

- Quick release hook tape Patent

- [NASA-CASE-XMS-10660-1] c 15 N71-25975

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- Chassis unit insert tightening-extract device

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- One-step dual purpose joining technique

- [NASA-CASE-LAR-12595-1] c 33 N82-26571

- Reusable captive blind fastener

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- Mechanical fastener

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- [NASA-CASE-XLA-08530] c 32 N71-25360

- TV fatigue crack monitoring system

- [NASA-CASE-LAR-11490-1] c 39 N78-16387

- Antenna grout replacement system

- [NASA-CASE-NPO-15205-1] c 37 N81-19457

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- Fatigue-resistant shear pin

- [NASA-CASE-XLA-09122] c 15 N69-27505

- Method of improving the reliability of a rolling element system Patent

- [NASA-CASE-XLE-02999] c 15 N71-16052

- High speed rolling element bearing

- [NASA-CASE-LEW-10856-1] c 15 N72-22490

- High speed hybrid bearing comprising a fluid bearing

- and a rolling bearing connected in series

- [NASA-CASE-LEW-11152-1] c 15 N73-32359

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[NASA-CASE-XMF-10968] c 14 N71-24234

Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136

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Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003

Fatigue failure load indicator
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Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214

Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406

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Method of producing silicon --- gas phase reactor multiple injector liquid feed system
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Continuous coal processing method
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Active RC networks
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Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

Inverter oscillator with voltage feedback
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Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058

Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859

Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860

High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N81-32391

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

Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418

Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669

Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258

Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175

Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

Automatic level control circuit
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Television camera video level control system --- space shuttle orbiters
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Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594

Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595

BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890

A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033

A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613

Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004

Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049

Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428

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System and method for tracking a signal source --- employing feedback control
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Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

Wide power range microwave feedback controller
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Active notch filter network with variable notch depth, width and frequency
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Tuned analog network --- bandpass filter networks
[NASA-CASE-GSC-12650-1] c 33 N82-10324

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

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[NASA-CASE-MFS-25852-1] c 33 N83-17803

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[NASA-CASE-XLA-01127] c 07 N70-41372

Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205

Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

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Automatic real-time pair-feeding system for animals
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[NASA-CASE-ARC-11007-1] c 52 N77-14738

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Urne collection apparatus --- feminine hygiene
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Method for making conductors for ferite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032

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[NASA-CASE-MFS-22907-1] c 26 N76-18257

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High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248

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Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062

Method for making patterns for resin matrix composites
[NASA-CASE-ARC-11246-1] c 24 N80-22410

Universal connectors for joining strings
[NASA-CASE-LAR-12744-1] c 37 N81-31551

Method and apparatus for gripping uniaxial fibrous composite materials --- holding specimens for mechanical property testing
[NASA-CASE-LEW-13758-1] c 24 N83-12176

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Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616

Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553

Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889

Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857

Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N81-12862

Precise RF timing signal distribution to remote stations --- fiber optics
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Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907

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Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448

Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029

Optical crystal temperature gauge with fiber optic connections
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Low intensity X-ray and gamma-ray spectrometer
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[NASA-CASE-NPO-15057-1] c 24 N81-19230

Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

FIBER RELEASE

Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260

FIBER STRENGTH

Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385

FIBERS

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

Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456

Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150

Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

FIELD EFFECT TRANSISTORS

Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500

Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882

Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156

Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162

Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205

Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329

Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331

Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326

JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601

Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360

CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359

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

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FIELD EMISSION

Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246

FIELD OF VIEW

Scanner -- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

FILAMENT WINDING

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809

Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651

Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571

Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

FILAMENTS

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

Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752

FILLERS

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322

Intumescent-ablators coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180

Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258

Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615

Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339

High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490

FILLING

Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

FILM COOLING

Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942

Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N81-12363

Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 34 N82-25463

FILM THICKNESS

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

Deaerator/mixer for liquids
[NASA-CASE-MSC-18936-1] c 25 N82-22329

Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949

FILMS

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

FILTERS

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773

Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608

FILTRATION

Recovery of aluminum from composite propellants
[NASA-CASE-NPO-11410-1] c 28 N81-15119

Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335

FINES

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

FINS

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629

Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

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FIRE EXTINGUISHERS

Synthesis of dawsonites
[NASA-CASE-ARC-113261-1] c 25 N80-31490

Fire extinguishing apparatus having a slideable mass for a penetrator nozzle -- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N82-12168

FIRE PREVENTION

Hydrogen fire blank detector
[NASA-CASE-MFS-15063] c 14 N72-25412

Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019

Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525

FIREPROOFING

Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014

Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767

Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562

Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572

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

Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405

Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213

Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

FIRESES

Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375

Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

FIRING (IGNITING)

Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

FITTINGS

Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789

Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

FIXED WINGS

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

FIXTURES

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

Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

FLAME PROBES

Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

FLAME RETARDANTS

Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213

Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262

Catalysts for polyimide foams from aromatic isocyanates and aromatic diisanydrides --- 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-ARC-11124-1] c 26 N80-16158

Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438

Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N81-31364

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 N82-24344

Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525

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

FLAME SPRAYING

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00032] c 15 N71-16077

Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301

FLAME TEMPERATURE

Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357

FLAMES

Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151

Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403

FLAMMABILITY

Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985

Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913

Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358

Vitra-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

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Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425

Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604

Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562

Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470

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Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410

Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110

Reversed cowl flap inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736

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Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

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Active lamp pulse driver circuit --- for use in laser transmitters
[NASA-CASE-GSC-12566-1] c 36 N82-10390

FLAT CONDUCTORS

Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986

Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691

Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198

Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225

Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226

Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

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

Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446

Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374

Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413

Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640

FLEXIBILITY

Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493

Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546

Nozzle extraction process and handlemeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

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Safety flywheel --- using flexible materials energy storage [NASA-CASE-HQN-10888-1] c 44 N79-14527

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- Deflective rod switch with elastic support and sealing means Patent [NASA-CASE-XNP-09808] c 09 N71-12518
- Flexible composite membrane Patent [NASA-CASE-XNP-08837] c 18 N71-16210
- Self supporting space vehicle Patent [NASA-CASE-XLA-00117] c 31 N71-17680
- Extravehicular tunnel suit system Patent [NASA-CASE-MSC-12243-1] c 05 N71-24728
- Active vibration isolator for flexible bodies Patent [NASA-CASE-LAR-10106-1] c 15 N71-27169
- Fluid impervious barrier including liquid metal alloy and method of making same Patent [NASA-CASE-XNP-08881] c 17 N71-28747
- Low cycle fatigue testing machine [NASA-CASE-LAR-10270-1] c 32 N72-25877
- Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft [NASA-CASE-LAR-10753-1] c 08 N74-30421
- Internally supported flexible duct joint --- device for conducting fluids in high pressure systems [NASA-CASE-MFS-19193-1] c 37 N75-19686
- Strong thin membrane structure --- solar sails [NASA-CASE-NPO-14021-2] c 27 N80-16163

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- Flexible wing deployment device Patent [NASA-CASE-XLA-01220] c 02 N70-41863
- Control for flexible parawing Patent [NASA-CASE-XLA-06958] c 02 N71-11038

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- Two degree inverted flexure [NASA-CASE-ARC-10345-1] c 15 N73-12488
- Pressure suit joint analyzer [NASA-CASE-ARC-11314-1] c 54 N82-26987

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- Altitude measuring system [NASA-CASE-ERC-10412-1] c 09 N73-12211
- Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point [NASA-CASE-FRC-10049-1] c 04 N74-13420
- Apparatus for measuring an aircraft's speed and height [NASA-CASE-LAR-12275-1] c 35 N79-18296
- Side-looking laser altimeter for a flight simulator [NASA-CASE-ARC-11312-1] c 36 N81-19439
- 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
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- System for indicating fuel-efficient aircraft altitude [NASA-CASE-NPO-15351-2] c 06 N83-17536

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- Absorbent product and articles made therefrom [NASA-CASE-MSC-18223-2] c 52 N82-26960

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- Aircraft instrument Patent [NASA-CASE-XLA-00487] c 14 N70-40157
- Two-axis controller Patent [NASA-CASE-XFR-04104] c 03 N70-42073
- Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent [NASA-CASE-XAC-00048] c 02 N71-29128
- Numerical computer peripheral interactive device with manual controls [NASA-CASE-NPO-11497] c 08 N73-25206
- Solid state controller three axes controller [NASA-CASE-MSC-12394-1] c 08 N74-10942
- G-load measuring and indicator apparatus --- for aircraft [NASA-CASE-ARC-10806] c 06 N74-27872
- Integrated lift/drag controller for aircraft [NASA-CASE-ARC-10456-1] c 05 N75-12930
- Deploy/release system --- model aircraft flight control [NASA-CASE-LAR-11575-1] c 02 N76-16014
- Aircraft body-axis rotation measurement system [NASA-CASE-FRC-11043-1] c 06 N81-22048
- Apparatus for damping operator induced oscillations of a controlled system --- flight control [NASA-CASE-FRC-11041-1] c 33 N82-18493

FLIGHT CREWS

- Survival couch Patent [NASA-CASE-XLA-00118] c 05 N70-33285

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- Heads up display [NASA-CASE-LAR-12630-1] c 06 N82-29319

FLIGHT RECORDERS

- Event recorder Patent [NASA-CASE-XLA-01832] c 14 N71-21006

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- Aerial capsule emergency separation device Patent [NASA-CASE-XLA-00115] c 03 N70-33343
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft [NASA-CASE-LAR-10717-1] c 21 N73-30641

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- Television simulation for aircraft and space flight Patent [NASA-CASE-XFR-03107] c 09 N71-19449
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- Centrifuge mounted motion simulator Patent [NASA-CASE-XAC-00399] c 11 N70-34815
- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent [NASA-CASE-XNP-00708] c 14 N70-35394
- Wind tunnel test section [NASA-CASE-MFS-20509] c 11 N72-17183
- Numerical computer peripheral interactive device with manual controls [NASA-CASE-NPO-11497] c 08 N73-25206
- Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot [NASA-CASE-LAR-10550-1] c 09 N74-30597
- Vehicle simulator binocular multiplanar visual display system [NASA-CASE-ARC-10808-1] c 09 N76-24280
- Full color hybrid display for aircraft simulators --- landing aids [NASA-CASE-ARC-10903-1] c 09 N78-18083
- Chromatically corrected virtual image display --- lens design for flight simulators [NASA-CASE-LAR-12251-1] c 74 N79-14892
- Seat cushion to provide realistic acceleration cues to aircraft simulator pilot [NASA-CASE-LAR-12149-2] c 09 N79-31228
- Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators [NASA-CASE-LAR-12251-1] c 74 N80-27185
- Sidelooking laser altimeter for a flight simulator [NASA-CASE-ARC-11312-1] c 36 N81-19439
- Helmet weight simulator [NASA-CASE-LAR-12320-1] c 54 N81-27806
- Biocentrifuge system capable of exchanging specimen cages while in operational mode [NASA-CASE-MFS-23825-1] c 51 N81-32829
- Environmental fog/rain visual display system for aircraft simulators [NASA-CASE-ARC-11158-1] c 09 N82-24212

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- Air frame drag balance Patent [NASA-CASE-XLA-00113] c 14 N70-33386

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- Leading edge curvature based on convective heating Patent [NASA-CASE-XLA-01486] c 01 N71-23497
- Altitude sensing device [NASA-CASE-XMS-01994-1] c 14 N72-17326

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- AC logic flip-flop circuits Patent [NASA-CASE-XGS-00823] c 10 N71-15910
- Stepping motor control circuit Patent [NASA-CASE-GSC-10366-1] c 10 N71-18772
- Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] c 10 N71-19547

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- Floating baffle to improve efficiency of liquid transfer from tanks [NASA-CASE-KSC-10639] c 15 N73-26472
- Modification of one man life raft [NASA-CASE-LAR-10241-1] c 54 N74-14845
- Floating nut retention system [NASA-CASE-MSC-16189-1] c 37 N80-23653

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- Rescue litter flotation assembly Patent [NASA-CASE-XMS-04170] c 05 N71-22748

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- Mult-chamber controllable heat pipe [NASA-CASE-ARC-10199] c 34 N78-17337

FLOW DIRECTION INDICATORS

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- Flow angle sensor and read out system Patent [NASA-CASE-XLE-04503] c 14 N71-24864
- Directional flow sensor [NASA-CASE-FRC-11074-1] c 35 N82-11436

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- Method of obtaining permanent record of surface flow phenomena Patent [NASA-CASE-XLA-01353] c 14 N70-41366
- Method of recording a gas flow pattern Patent [NASA-CASE-XMF-01779] c 12 N71-20815
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- Controlled separation combustor --- airflow distribution in gas turbine engines [NASA-CASE-LEW-11593-1] c 20 N76-14190
- Apparatus and method for jet noise suppression [NASA-CASE-LAR-11903-2] c 34 N82-20465
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- Flow velocity and directional instrument [NASA-CASE-LAR-10855-1] c 14 N73-13415
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- Fluid velocity measuring device [NASA-CASE-LAR-11729-1] c 34 N79-12359
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- Fluid flow restrictor Patent [NASA-CASE-NPO-10117] c 15 N71-15608
- Fluid flow control valve Patent [NASA-CASE-XLE-00703] c 15 N71-15967
- Gas regulator Patent [NASA-CASE-NPO-10298] c 12 N71-17661
- Semitoroidal diaphragm cavitating valve Patent [NASA-CASE-XNP-09704] c 12 N71-18615
- Temperature sensitive flow regulator Patent [NASA-CASE-MFS-14259] c 15 N71-19213
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- Gas flow control device [NASA-CASE-NPO-11479] c 15 N73-13462
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- Automotive gas turbine fuel control [NASA-CASE-LEW-12785-1] c 37 N78-24545
- Flow diverter valve and flow diversion method [NASA-CASE-HQN-00573-1] c 37 N79-33468
- Biomedical flow sensor --- intravenous procedures [NASA-CASE-MSC-18761-1] c 52 N81-24717
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- Apparatus for establishing flow of a fluid mass having a known velocity [NASA-CASE-MFS-21424-1] c 34 N74-27730
- Aeroelastic instability stoppers for wind tunnel models [NASA-CASE-LAR-12720-1] c 44 N83-21504

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- Method for continuous variation of propellant flow and thrust in propulsive devices Patent [NASA-CASE-XLE-00177] c 28 N70-40367
- Densitometer Patent [NASA-CASE-XLE-00688] c 14 N70-41330
- Device for suppressing sound and heat produced by high-velocity exhaust jets Patent [NASA-CASE-XMF-01813] c 28 N70-41582
- Positive displacement flowmeter Patent [NASA-CASE-XMF-02822] c 14 N70-41994
- Zeta potential flowmeter Patent [NASA-CASE-XNP-06509] c 14 N71-23226

Method for measuring the characteristics of a gas Patent		Fluid journal bearings		Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-XLA-03375] c 16 N71-24074	Laser fluid velocity detector Patent	[NASA-CASE-LEW-11076-4] c 37 N76-15461	Fluid seal for rotating shafts	[NASA-CASE-ARC-10642-1] c 36 N76-14447
[NASA-CASE-XAC-10770-1] c 16 N71-24828	Gas low pressure low flow rate metering system Patent	[NASA-CASE-LEW-11676-1] c 37 N76-22541	Externally supported internally stabilized flexible duct joint	
[NASA-CASE-FRC-10022] c 12 N71-26546	Force-balanced, throttle valve Patent	FLUID FILTERS	Liquid-gas separator for zero gravity environment	[NASA-CASE-MFS-19194-1] c 37 N76-14460
[NASA-CASE-NPO-10808] c 15 N71-27432	Flow rate switch	Patent	High pressure filter Patent	Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-NPO-10722] c 09 N72-20199	Flow velocity and directional instrument	[NASA-CASE-XNP-00732] c 28 N70-41447	[NASA-CASE-LAR-12045-1] c 34 N77-24423	Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-LAR-10855-1] c 14 N73-13415	Apparatus for establishing flow of a fluid mass having a known velocity	[NASA-CASE-XMS-13052] c 14 N71-20427	[NASA-CASE-ARC-10970-1] c 36 N77-25501	Accumulator
[NASA-CASE-MFS-21424-1] c 34 N74-27730	Wind tunnel flow generation section	[NASA-CASE-LAR-11110-1] c 34 N75-26282	[NASA-CASE-MFS-19287-1] c 34 N77-30399	Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10710-1] c 09 N75-12969	Combined dual scatter, focal oscillator laser Doppler velocimeter	Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line	[NASA-CASE-ARC-10896-1] c 35 N78-19465	Flow compensating pressure regulator
[NASA-CASE-ARC-10642-1] c 36 N76-14447	System for measuring three fluctuating velocity components in a turbulently flowing fluid	[NASA-CASE-MSC-14273-1] c 34 N75-33342	[NASA-CASE-LEW-12718-1] c 34 N78-25351	Fluid valve assembly
[NASA-CASE-ARC-10974-1] c 34 N77-27345	Fluid velocity measuring device	Quick disconnect filter coupling	[NASA-CASE-MSC-12731-1] c 37 N78-25426	Positive isolation disconnect
[NASA-CASE-LAR-11729-1] c 34 N79-12359	Pressure letdown method and device for coal conversion systems	[NASA-CASE-MFS-22323-1] c 37 N76-14463	[NASA-CASE-MSC-16043-1] c 37 N79-11402	Aerodynamic spike nozzle Patent
[NASA-CASE-NPO-15100-1] c 28 N81-33306	Wind tunnel supplementary Mach number minimum section insert	Rapid, quantitative determination of bacteria in water	[NASA-CASE-LAR-11729-1] c 34 N79-12359	Fluid velocity measuring device
[NASA-CASE-LAR-12532-1] c 09 N82-11088	FLOW VISUALIZATION	Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points	Dual laser optical system and method for studying fluid flow	Dual laser optical system and method for studying fluid flow
Shock-layer radiation measurement		[NASA-CASE-MSC-16841-1] c 34 N79-24265	[NASA-CASE-MFS-25315-1] c 36 N81-19440	Hot foil transducer skin friction sensor
[NASA-CASE-XAC-02970] c 14 N69-39896	Method of recording a gas flow pattern Patent	Air removal device --- life support systems	[NASA-CASE-LAR-12321-1] c 35 N82-24470	
[NASA-CASE-XMF-01779] c 12 N71-20815	FLOWMETERS	Fluid jet amplifier	FLUID INJECTION	Apparatus for igniting solid propellants Patent
Flow test device		[NASA-CASE-XLE-03512] c 12 N69-21466	[NASA-CASE-XLE-00207] c 28 N70-33375	Method of igniting solid propellants Patent
[NASA-CASE-XMS-04917] c 14 N69-24257	Positive displacement flowmeter Patent	Pneumatic system for controlling and actuating pneumatic cyclic devices	[NASA-CASE-XLE-01988] c 27 N71-15634	Aerodynamic spike nozzle Patent
[NASA-CASE-XMF-02822] c 14 N70-41994	Heated element fluid flow sensor Patent	[NASA-CASE-XMS-04843] c 03 N69-21469	[NASA-CASE-XGS-01143] c 31 N71-15647	Process of forming particles in a cryogenic path
[NASA-CASE-MSC-12084-1] c 12 N71-17569	Laser Doppler system for measuring three dimensional vector velocity Patent	Full flow with shut off and selective drainage control valve Patent application	Patent	
[NASA-CASE-MFS-20386] c 21 N71-19212		[NASA-CASE-ERC-10208] c 15 N70-10867	[NASA-CASE-NPO-10250] c 23 N71-16212	Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
Zeta potential flowmeter Patent		Conical valve plug Patent	[NASA-CASE-XMS-01905] c 12 N71-21089	Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-XNP-06509] c 14 N71-23226	Traversing probe Patent	[NASA-CASE-XLE-00715] c 15 N70-34859	[NASA-CASE-MSC-20831] c 28 N71-29153	Programmable physiological infusion
[NASA-CASE-XFR-02007] c 12 N71-24692	Laser fluid velocity detector Patent	Pressure regulating system Patent	[NASA-CASE-ARC-10447-1] c 52 N74-22771	
[NASA-CASE-XAC-10770-1] c 16 N71-24828		[NASA-CASE-XNP-00450] c 15 N70-38603	FLUID JETS	Propeller blade loading control Patent
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[NASA-CASE-FRC-10022] c 12 N71-26546	Nuclear mass flowmeter	[NASA-CASE-XNP-01152] c 15 N70-41811	FLUID LOGIC	Logic AND gate for fluid circuits Patent
[NASA-CASE-MFS-20485] c 14 N72-11365	Respiratory analysis system and method	Inductive liquid level detection system Patent	[NASA-CASE-XLA-07391] c 12 N71-17579	
[NASA-CASE-MSC-13436-1] c 05 N73-32015	Low power electromagnetic flowmeter providing accurate zero set	[NASA-CASE-XLE-01609] c 14 N71-10500	FLUID MECHANICS	Leak detector Patent
[NASA-CASE-ARC-10362-1] c 14 N73-32326	Electromagnetic flow rate meter --- for liquid metals	Multiflow vortex valve system Patent	[NASA-CASE-LAR-10323-1] c 12 N71-17573	Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-LEW-10981-1] c 35 N74-21018	Leak detector	[NASA-CASE-XMF-04709] c 15 N71-15609	[NASA-CASE-NPO-11387] c 14 N73-14429	Modified face seal for positive film stiffness
[NASA-CASE-MFS-21761-1] c 35 N75-15931	System for measuring three fluctuating velocity components in a turbulently flowing fluid	Heated element fluid flow sensor Patent	[NASA-CASE-LEW-12989-1] c 37 N82-12442	
[NASA-CASE-ARC-10974-1] c 34 N77-27345	Automatic flowmeter calibration system	Multiple orifice throttle valve Patent	FLUID POWER	Fluid power transmission Patent
[NASA-CASE-KSC-11076-1] c 34 N81-26402	Self-charging metering and dispensing device for fluids	[NASA-CASE-XNP-09698] c 15 N71-18580	[NASA-CASE-XMS-01445] c 12 N71-16031	Fluid power transmitting gas bearing Patent
[NASA-CASE-MSC-20275-1] c 35 N83-17856		Fluid flow meter with comparator reference means Patent	[NASA-CASE-ERC-10097] c 15 N71-28465	
FLUID AMPLIFIERS		[NASA-CASE-XGS-01331] c 14 N71-22996	FLUID PRESSURE	Flow compensating pressure regulator
Fluid jet amplifier		Pressure transducer calibrator Patent	[NASA-CASE-LEW-12718-1] c 34 N78-25351	Self-stabilizing radial face seal
[NASA-CASE-XLE-03512] c 12 N69-21466	Multiflow vortex valve system Patent	[NASA-CASE-XNP-01660] c 14 N71-23036	[NASA-CASE-LEW-12991-1] c 37 N81-24442	Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-XMF-04709] c 15 N71-15609	Shear modulated fluid amplifier Patent	Fluid rate switch	FLUID ROTOR GYROSCOPES	Piezoelectric pump Patent
[NASA-CASE-MFS-10412] c 12 N71-17578		[NASA-CASE-NPO-10722] c 09 N72-20199	[NASA-CASE-XNP-05429] c 26 N71-21824	
[NASA-CASE-LEW-10374-1] c 28 N73-13773	Rocket thrust throttling system	Torsional disconnect unit	FLUID SWITCHING ELEMENTS	Booster tank system Patent
[NASA-CASE-LAR-10868-1] c 33 N74-11050	Fluid pressure amplifier and system	[NASA-CASE-NPO-10704] c 15 N72-20445	[NASA-CASE-MSC-12390] c 27 N71-29155	
Fluid thrust control system --- for liquid propellant rocket engines		Apparatus for establishing flow of a fluid mass having a known velocity	FLUID TRANSMISSION LINES	Low heat leak connector for cryogenic system
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FLUID DYNAMICS		Internally supported flexible duct joint --- device for conducting fluids in high pressure systems	FLUIDIC CIRCUITS	Technique of duplicating fragile core
Deaerator/mixer for liquids		[NASA-CASE-MFS-19193-1] c 37 N75-19686	[NASA-CASE-XLA-07829] c 15 N72-16329	Flow measuring apparatus
[NASA-CASE-MSC-18936-1] c 25 N82-22329		Flow measuring apparatus	[NASA-CASE-LEW-12078-1] c 35 N75-30503	
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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

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- Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Bacteria detection instrument and method
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- Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
- Fluid mass sensor for a zero gravity environment
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FLUORESCENCE

- Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
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- Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
- Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
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- Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- Perfluoro polyether acyl fluorides
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- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098

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- Reaction of fluorine with perfluoropolymers
[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

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- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

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- Method of polymerizing perfluorobutadiene Patent application
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- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
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- Scanning afocal laser velocimeter projection lens system
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- Environmental fog/rain visual display system for aircraft simulators
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- Partial interlaminar separation system for composites
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- Space and atmospheric reentry vehicle Patent
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- Collapsible loop antenna for space vehicle Patent
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- Folding boom assembly Patent
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FOLDING

- Folding apparatus Patent
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- FOLDING STRUCTURES

- Space and atmospheric reentry vehicle Patent
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- Collapsible loop antenna for space vehicle Patent
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- Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
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[NASA-CASE-MFS-20074] c 16 N71-15565
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[NASA-CASE-ERC-10017] c 16 N71-15567
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[NASA-CASE-MFS-22517-1] c 35 N76-18402
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[NASA-CASE-XLA-08801-1] c 02 N71-11043

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[NASA-CASE-XNP-00540] c 09 N70-35382
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
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[NASA-CASE-XNP-01057] c 07 N71-15907

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- Multi-purpose antenna employing dish reflector with plural coaxial horn feeds Patent
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- Horn antenna having V-shaped corrugated slots Patent
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector Patent
[NASA-CASE-NPO-13568-1] c 32 N76-21365
- Reflex feed system for dual frequency antenna with frequency cutoff means Patent
[NASA-CASE-NPO-14022-1] c 32 N78-31321
- Dual band combiner for horn antenna Patent
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- Collapsible corrugated horn antenna Patent
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[NASA-CASE-XLE-07087] c 06 N69-39889

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- Method of making a cermet Patent
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[NASA-CASE-GSC-12619-1] c 37 N81-16470

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- Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

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- Method for making a hot wire anemometer and product thereof Patent
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- Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
- Open type urine receptacle Patent
[NASA-CASE-MSC-12324-1] c 05 N72-22093
- Universal environment package with sectional component housing Patent
[NASA-CASE-KSC-10031] c 15 N72-22486
- Gas flow control device Patent
[NASA-CASE-NPO-11479] c 15 N73-13462
- Cryogenic gyroscope housing -- with annular disks for gas spin-up Patent
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- Deformable bearing seat Patent
[NASA-CASE-LEW-12527-1] c 37 N77-32500

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[NASA-CASE-MSC-12111-1] c 02 N71-11039

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- Determining particle density using known material Hugoniot curves Patent
[NASA-CASE-LAR-11059-1] c 76 N75-12810

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[NASA-CASE-XLA-00229] c 12 N70-33305

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- Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

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- 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 Patent
[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 Patent
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- Harness assembly Patent
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- [NASA-CASE-XAC-02405] c 09 N71-16089

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EEG sleep analyzer and method of operation Patent

- [NASA-CASE-MSC-13282-1] c 05 N71-24729

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- [NASA-CASE-ARC-11100-1] c 54 N78-31736

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- [NASA-CASE-MFS-22102-1] c 54 N74-20725

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- [NASA-CASE-MSC-14640-1] c 54 N76-14804

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- [NASA-CASE-MSC-18223-1] c 24 N82-29362

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- [NASA-CASE-XNP-09698] c 15 N71-18580

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- [NASA-CASE-MFS-20830] c 15 N71-30028

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- [NASA-CASE-NPO-10316-1] c 37 N77-22479

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- [NASA-CASE-XMF-01772] c 11 N70-41677

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- [NASA-CASE-XMF-03248] c 11 N71-10604

Hydraulic drive mechanism Patent

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

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- [NASA-CASE-XNP-01020] c 03 N71-12260

Hydraulic grip Patent

- [NASA-CASE-XLA-05100] c 15 N71-17696

Shock absorber Patent

- [NASA-CASE-XMS-03722] c 15 N71-21530

Hydraulic casting of liquid polymers Patent

- [NASA-CASE-XNP-07659] c 06 N71-22975

Energy limiter for hydraulic actuators Patent

- [NASA-CASE-ARC-10131-1] c 15 N71-27754

Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent

- [NASA-CASE-XAC-00048] c 02 N71-29128

Hydraulic transformer Patent

- [NASA-CASE-MFS-20830] c 15 N71-30028

Mechanically extendible telescoping boom

- [NASA-CASE-NPO-11118] c 03 N72-25021

- Geysering inhibitor for vertical cryogenic transfer pipe Patent

- [NASA-CASE-KSC-10615] c 15 N73-12486

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- [NASA-CASE-XNP-00876] c 28 N70-41311

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- [NASA-CASE-XNP-03459-2] c 18 N71-15688

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- [NASA-CASE-NPO-14315-1] c 27 N81-17261

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

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- [NASA-CASE-NPO-13464-2] c 44 N76-29704

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 [NASA-CASE-FRC-11062-1] c 71 N82-16800

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 [NASA-CASE-XLA-00087] c 02 N70-33332
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 [NASA-CASE-LAR-11141-1] c 07 N74-32418
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- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

MOLYBDENUM DISULFIDES

- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

MOMENTS OF INERTIA

- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992

MOMENTUM

- Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

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- Atomic hydrogen storage --- cryotrapping and magnetic field strength
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- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026

OPTICAL MONITOR PANEL

- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319

- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315

- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- Intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N81-19430

- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380

MONOCHROMATIC RADIATION

- Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

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- Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109

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- Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
- Bifunctional monomers having terminal oxime and cyano or amide groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256

- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N81-31364

- Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258

- Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715

MONOPOLE ANTENNAS

- Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase
[NASA-CASE-XLA-00414] c 07 N70-38200

MONOPROPELLANTS

- Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311

- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

MONOPULSE ANTENNAS

- Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750

MONOPULSE RADAR

- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

MONOPULSE TRACKING RECEIVER

- Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483

MONOSTABLE MULTIVIBRATORS

- Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
- Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860

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- Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
- Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329

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

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- 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

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- Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- Helmet weight simulator
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- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658

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- Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
- System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
- Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402

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- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357

- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243

- Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
- Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284

- Deformable bearing seat
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- Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468

- Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560

- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470

- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
- Adapter for mounting microphone flush with the external surface of the skin of a pressurized aircraft
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- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

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- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Phase quadrature-plural channel data transmission system Patent
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- Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- Miniature multichannel biotelemeter system
[NASA-CASE-NPO-13065-1] c 52 N74-26625

- Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MCS-14180-1] c 52 N76-14757
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011

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- Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
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- Tracking antenna system Patent
 [NASA-CASE-GSC-10553-1] c 07 N71-19854
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 [NASA-CASE-XLA-02850] c 09 N71-20447
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- Optical process for producing classification maps from multispectral data
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- Interactive color display for multispectral imagery using correlation clustering
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- Time delay and integration detectors using charge transfer devices
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 [NASA-CASE-XMF-00389] c 31 N70-34176
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- Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
 [NASA-CASE-XGS-00381] c 09 N70-34819
 Variable frequency magnetic multivibrator Patent
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 Variable frequency magnetic multivibrator Patent
 [NASA-CASE-XGS-00131] c 09 N70-38995
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 [NASA-CASE-XAC-00942] c 10 N71-16042
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 [NASA-CASE-XNP-09450] c 10 N71-18723
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- Subminiature insertable force transducer -- including a strain gage to measure forces in muscles
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- Myocardium wall thickness transducer and measuring method
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- Integrated gas turbine engine-nacelle
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- Retractable environmental seal
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 [NASA-CASE-GSC-12508-1] c 04 N81-26085
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 [NASA-CASE-ARC-11372-1] c 08 N83-12098
- NAVIGATION AIDS**
- Magnetic heading reference
 [NASA-CASE-LAR-11387-1] c 04 N76-20114
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 [NASA-CASE-XNP-01458] c 04 N78-17031
 Low-frequency radio navigation system
 [NASA-CASE-NPO-15264-1] c 04 N81-22036
 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
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- NAVIGATION INSTRUMENTS**
- Sun angle calculator
 [NASA-CASE-MSC-12617-1] c 35 N76-29552
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- Satellite aided vehicle avoidance system Patent
 [NASA-CASE-ERC-10090] c 21 N71-24948
- NEAR INFRARED RADIATION**
- Collimator of multiple plates with axially aligned identical random arrays of apertures
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- NEGATIVE FEEDBACK**
- Complementary regenerative switch Patent
 [NASA-CASE-XGS-02751] c 09 N71-23015
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- General logic structure for custom LSI circuits
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 [NASA-CASE-NPO-15522-1] c 71 N82-11861
- NOISE GENERATORS**
 Pseudo-noise test set for communication system evaluation -- test signals
 [NASA-CASE-MFS-22671-1] c 35 N75-21582
 Method of and means for testing a tape record/playback system
 [NASA-CASE-MFS-22671-2] c 35 N77-17426
- NOISE MEASUREMENT**
 Ride quality meter
 [NASA-CASE-LAR-12882-1] c 54 N81-31848
- NOISE METERS**
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 [NASA-CASE-LAR-11173-1] c 35 N75-19614
 Differential sound level meter
 [NASA-CASE-LAR-12106-1] c 71 N78-14867
 Ride quality meter
 [NASA-CASE-LAR-12882-1] c 54 N81-31848
- NOISE REDUCTION**
 Jet aircraft configuration Patent
 [NASA-CASE-XLA-00087] c 02 N70-33332
 Cassegrainian antenna subreflector flange for suppressing ground noise Patent
 [NASA-CASE-XNP-00683] c 09 N70-35425
 Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
 [NASA-CASE-XMF-01813] c 28 N70-41582
 Variable time constant smoothing circuit Patent
 [NASA-CASE-XGS-01983] c 10 N70-41964
 Digital telemetry system Patent
 [NASA-CASE-XGS-01812] c 07 N71-23001
 Audio signal processor Patent
 [NASA-CASE-MSC-12223-1] c 07 N71-26181
 Variable frequency nuclear magnetic resonance spectrometer Patent
 [NASA-CASE-XNP-09830] c 14 N71-26266
 Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
 [NASA-CASE-GSC-11133-1] c 23 N72-11568
 Audio system with means for reducing noise effects
 [NASA-CASE-NPO-11631] c 10 N73-12244
 Gas turbine exhaust nozzle -- for noise reduction
 [NASA-CASE-LEW-11569-1] c 07 N74-15453
 Totally confined explosive welding -- apparatus to reduce noise level and protect personnel during explosive bonding
 [NASA-CASE-LAR-10941-1] c 37 N74-21057
 Jet exhaust noise suppressor
 [NASA-CASE-LEW-11286-1] c 07 N74-27490
 Supersonic fan blading -- noise reduction in turbofan engines
 [NASA-CASE-LEW-11402-1] c 07 N74-28226
 Variably positioned guide vanes for aerodynamic choking
 [NASA-CASE-LAR-10642-1] c 07 N74-31270
 Noise suppressor -- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
 [NASA-CASE-LAR-11141-1] c 07 N74-32418
 Abating exhaust noises in jet engines
 [NASA-CASE-ARC-10712-1] c 07 N74-33218
 Television noise reduction device
 [NASA-CASE-MSC-12607-1] c 32 N75-21485
 Cascade plug nozzle -- for jet noise reduction
 [NASA-CASE-LAR-11674-1] c 07 N76-18117
 Noise suppressor for turbo fan jet engines
 [NASA-CASE-ARC-10812-1] c 07 N76-18131
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 [NASA-CASE-MFS-23099-1] c 09 N76-23273
 Optical noise suppression device and method -- laser light exposing film
 [NASA-CASE-MSC-12640-1] c 74 N76-31998
 Variable thrust nozzle for quiet turbofan engine and method of operating same
 [NASA-CASE-LEW-12317-1] c 07 N78-17055
 Magneto-optic detection system with noise cancellation
 [NASA-CASE-NPO-11954-1] c 35 N78-29421

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 [NASA-CASE-LAR-10941-2] c 37 N79-13364
 Sound-suppressing structure with thermal relief
 [NASA-CASE-LEW-12658-1] c 71 N79-14871
 Acoustically swept rotor -- helicopter noise reduction
 [NASA-CASE-ARC-11106-1] c 05 N80-14107
 Support assembly for cryogenically coolable low-noise choke waveguide
 [NASA-CASE-NPO-14253-1] c 32 N80-32605
 Curved centerline air intake for a gas turbine engine
 [NASA-CASE-LEW-13201-1] c 07 N81-14999
 Multiple pure tone elimination strut assembly -- air breathing engines
 [NASA-CASE-FRC-11062-1] c 71 N82-16800
 Apparatus and method for jet noise suppression
 [NASA-CASE-LAR-11903-2] c 34 N82-20465
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 [NASA-CASE-LAR-12883-1] c 71 N83-17235
- NOISE TEMPERATURE**
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 [NASA-CASE-ERC-11020] c 14 N71-26774
- NOISE THRESHOLD**
 Frequency modulation demodulator threshold extension device Patent
 [NASA-CASE-MSC-12165-1] c 07 N71-33696
- NONADIABATIC CONDITIONS**
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 [NASA-CASE-LEW-11877-1] c 34 N78-27357
- NONDESTRUCTIVE TESTS**
 Determination of spot weld quality Patent
 [NASA-CASE-XNP-02588] c 15 N71-18613
 Space simulator Patent
 [NASA-CASE-NPO-10141] c 11 N71-24964
 Apparatus for inspecting microfilm Patent
 [NASA-CASE-MFS-20240] c 14 N71-28788
 Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
 [NASA-CASE-XMF-02221] c 18 N71-27170
 Method and device for detecting voids in low density material Patent
 [NASA-CASE-MFS-20044] c 14 N71-28993
 Holographic system for nondestructive testing
 [NASA-CASE-MFS-21704-1] c 35 N75-25124
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 Non-destructive method for applying and removing instrumentation on helicopter rotor blades
 [NASA-CASE-LAR-11201-1] c 35 N78-24515
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 [NASA-CASE-MFS-23114-1] c 38 N78-32447
- NONEQUILIBRIUM CONDITIONS**
 Condition sensor system and method
 [NASA-CASE-MSC-14805-1] c 54 N78-32720
- NONEQUILIBRIUM PLASMAS**
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- NONEQUILIBRIUM RADIATION**
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- NONFLAMMABLE MATERIALS**
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 Apparatus for damping operator induced oscillations of a controlled system -- flight control
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- NONLINEAR SYSTEMS**
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 [NASA-CASE-XMF-00701] c 09 N70-40272
 Nonlinear analog-to-digital converter Patent
 [NASA-CASE-XAC-04031] c 08 N71-18594
 Split range transducer
 [NASA-CASE-XLA-11189] c 10 N72-20222
 Contour measurement system
 [NASA-CASE-MFS-23726-1] c 43 N79-26439
- NORMAL DENSITY FUNCTIONS**
 Ultrasonic transducer with Gaussian-radial pressure distribution
 [NASA-CASE-LAR-12967-1] c 35 N83-12397

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NOSE CONES

- Automatically deploying nozzle exit cone extension
Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

NOSE WHEELS

- Nose gear steering system for vehicle with main skids
Patent
[NASA-CASE-XLA-01804] c 02 N70-34160

NOTCH STRENGTH

- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

NOTCH TESTS

- Vee-notching device -- with adjustable camage
[NASA-CASE-MFS-20730-1] c 39 N74-13131
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

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- Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

NOZZLE DESIGN

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

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

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

- Automatically deploying nozzle exit cone extension
Patent
[NASA-CASE-XLE-01640] c 31 N71-15637

- Injector assembly for liquid fueled rocket engines
Patent
[NASA-CASE-XMF-00968] c 28 N71-15660

- Collapsible nozzle extension for rocket engines
Patent
[NASA-CASE-MFS-11497] c 28 N71-16224

- Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330

- Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068

- Scanning nozzle plating system -- for etching or plating
metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065

- Variable thrust nozzle for quiet turbofan engine and
method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055

- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097

- Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371

- Method and system for nuclear waste disposal -- control
valves for encapsulating wastes
[NASA-CASE-NPO-15454-1] c 73 N82-12916

- Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376

NOZZLE FLOW

- Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582

- Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647

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

- Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153

- Multi-purpose wind tunnel reaction control model
block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

NOZZLE GEOMETRY

- Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123

NOZZLE INSERTS

- Self-sealing, unbonded, rocket motor nozzle closure
Patent
[NASA-CASE-XLA-02651] c 28 N70-41967

- Wind tunnel supplementary Mach number minimum
section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

NUCLEAR EXPLOSION EFFECT

- Method and construction for protecting heat sensitive
bodies from thermal radiation and convective heat
Patent
[NASA-CASE-XNP-01310] c 33 N71-28852

NUCLEAR FUEL ELEMENTS

- Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528

NUCLEAR FUSION

- Method and apparatus for producing concentric hollow
spheres -- for nuclear fusion by inertial confinement
[NASA-CASE-NPO-14596-2] c 31 N82-25401

Method and apparatus for producing concentric hollow
spheres

- [NASA-CASE-NPO-14596-3] c 27 N82-26461

NUCLEAR MAGNETIC RESONANCE

- Variable frequency nuclear magnetic resonance
spectrometer Patent

- [NASA-CASE-XNP-09830] c 14 N71-26266

NUCLEAR POWER PLANTS

- Self-adjusting multisegment, deployable, natural
circulation radiator Patent

- [NASA-CASE-XHQ-03673] c 33 N71-29046

NUCLEAR PUMPED LASERS

- Volumetric direct nuclear pumped laser

- [NASA-CASE-LAR-12183-1] c 36 N79-18307

NUCLEAR PUMPING

- Large volume multiple-path nuclear pumped laser

- [NASA-CASE-LAR-12529-1] c 36 N82-13415

NUCLEAR REACTOR CONTROL

- Gaseous control system for nuclear reactors

- [NASA-CASE-XLE-04599] c 22 N72-20597

- Control for nuclear thermionic power source

- [NASA-CASE-NPO-13114-2] c 73 N78-28913

NUCLEAR REACTORS

- Nuclear thermionic converter -- tungsten-thorium oxide
rods

- [NASA-CASE-NPO-13121-1] c 73 N77-18891

NUCLEATE BOILING

- Method of improving heat transfer characteristics in a

- nucleate boiling process Patent

- [NASA-CASE-XMS-04268] c 33 N71-16277

NUCLEATION

- Method and apparatus for supercooling and solidifying
substances -- containless melts and space processing

- [NASA-CASE-MFS-25242-1] c 35 N81-24413

NULL ZONES

- Null device for hand controller Patent

- [NASA-CASE-XLA-01808] c 15 N71-20740

NUMBER THEORY

- Binary concatenated coding system

- [NASA-CASE-MSC-14082-1] c 60 N76-23850

NUMERICAL CONTROL

- Fringe counter for interferometers Patent

- [NASA-CASE-LAR-10204] c 14 N71-27215

- Digital numerically controlled oscillator

- [NASA-CASE-MSC-16747-1] c 33 N81-17349

- Controller for computer control of brushless dc motors

- automobile engines

- [NASA-CASE-NPO-13970-1] c 33 N81-20352

- Reconfiguring redundancy management

- [NASA-CASE-MSC-18498-1] c 60 N82-29013

NUMERICAL INTEGRATION

- Apparatus for computing square roots Patent

- [NASA-CASE-XGS-04768] c 08 N71-19437

NUTATION

- Method and means for damping nutation in a satellite

- Patent

- [NASA-CASE-XMF-00442] c 31 N71-10747

- Nutation damper

- [NASA-CASE-GSC-11205-1] c 15 N73-25513

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- Active nutation controller

- [NASA-CASE-GSC-12273-1] c 35 N80-21719

- Method of and apparatus for damping nutation motion

- with minimum spin axis attitude disturbance

- [NASA-CASE-GSC-12551-1] c 18 N81-12156

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- Separation nut Patent

- [NASA-CASE-XGS-01971] c 15 N71-15922

- Split nut separation system Patent

- [NASA-CASE-XNP-06914] c 15 N71-21489

- Fastener stretcher

- [NASA-CASE-GSC-11149-1] c 15 N73-30457

- High-torque open-end wrench

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

- Floating nut retention system

- [NASA-CASE-MSC-16938-1] c 37 N80-23653

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O RING SEALS

- High pressure four-way valve Patent

- [NASA-CASE-XNP-00214] c 15 N70-36908

- Self-stabilizing radial face seal

- [NASA-CASE-LEW-12991-1] c 37 N81-24442

- Circumferential shaft seal

- [NASA-CASE-LEW-12119-2] c 37 N81-26447

- Unitary seal ring assembly -- cryogenic applications

- [NASA-CASE-MFS-25678-1] c 37 N82-25517

- Modified spiral wound retaining ring

- [NASA-CASE-LAR-12361-1] c 37 N83-19091

OBlique WINGS

- Oblique-wing supersonic aircraft

- [NASA-CASE-ARC-10470-3] c 05 N76-29217

OCCLUSION

- Prosthetic occlusive device for an internal
passageway

- [NASA-CASE-MFS-25640-1] c 52 N82-26962

OCEAN CURRENTS

- Method and apparatus for Delta K synthetic aperture

- radar measurement of ocean current

- [NASA-CASE-NPO-15704-1] c 32 N82-28502

OCEAN DATA ACQUISITION SYSTEMS

- Oceanic wave measurement system

- [NASA-CASE-MFS-23862-1] c 48 N80-18667

OCEAN SURFACE

- Surface roughness measuring system -- synthetic
aperture radar measurements of ocean wave height and
terrain peaks

- [NASA-CASE-NPO-13882-1] c 35 N79-10391

- Oceanic wave measurement system

- [NASA-CASE-MFS-23862-1] c 48 N80-18667

OCEAN THERMAL ENERGY CONVERSION

- Ocean thermal plant

- [NASA-CASE-KSC-11034-1] c 44 N78-32542

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- Ocean thermal plant

- [NASA-CASE-KSC-11034-1] c 44 N78-32542

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- Positive contact resistance soldering unit

- [NASA-CASE-KSC-10242] c 15 N72-23497

OIL EXPLORATION

- Underwater seismic source -- for petroleum

- exploration

- [NASA-CASE-NPO-14255-1] c 46 N79-23555

- Borehole geological assessment

- [NASA-CASE-NPO-14231-1] c 46 N80-10709

OIL RECOVERY

- Oil and fat absorbing polymers

- [NASA-CASE-NPO-11609-2] c 27 N77-31308

OILS

- Method of recording a gas flow pattern Patent

- [NASA-CASE-XMF-01779] c 12 N71-20815

- Oil and fat absorbing polymers

- [NASA-CASE-NPO-11609-2] c 27 N77-31308

OMNIDIRECTIONAL ANTENNAS

- Omnidirectional microwave spacecraft antenna Patent

- [NASA-CASE-XLA-03114] c 09 N71-22888

- Stacked array of omnidirectional antennas

- [NASA-CASE-LAR-10545-1] c 09 N72-21244

- Omnidirectional slot antenna for mounting on cylindrical

- space vehicle

- [NASA-CASE-LAR-10163-1] c 09 N72-25247

ONBOARD EQUIPMENT

- Survival couch Patent

- [NASA-CASE-XLA-00118] c 05 N70-33285

- Cryogenic storage system Patent

- [NASA-CASE-XMS-04390] c 31 N70-41871

- Fiber optic vibration transducer and analyzer Patent

- [NASA-CASE-XMF-02433] c 14 N71-10616

- Satellite appendage tie down cord Patent

- [NASA-CASE-XGS-02554] c 31 N71-21064

- Satellite aided vehicle avoidance system Patent

- [NASA-CASE-ERC-10090] c 21 N71-24948

- A dc servosystem including an ac motor Patent

- [NASA-CASE-NPO-10700] c 07 N71-33613

- Collapsible Apollo couch

- [NASA-CASE-MSC-13140] c 05 N72-11085

- Monostable multivibrator

- [NASA-CASE-GSC-10082-1] c 10 N72-20221

- Delayed simultaneous release mechanism

- [NASA-CASE-GSC-10814-1] c 03 N73-20039

- Electronic strain-level counter

- [NASA-CASE-LAR-10756-1] c 32 N73-26910

- Magnetic heading reference

- [NASA-CASE-LAR-11387-1] c 04 N76-20114

OPERATING TEMPERATURE

- Solar cell having improved back surface reflector

- [NASA-CASE-LEW-13620-1] c 44 N83-13579

OPERATIONAL AMPLIFIERS

- Digital automatic gain amplifier

- [NASA-CASE-KSC-11008-1] c 33 N79-22373

- Automatic level control circuit

- [NASA-CASE-KSC-11170-1] c 33 N81-29347

- Low noise tuned amplifier

- [NASA-CASE-GSC-12567-1] c 33 N82-11359

- Reactanceless bandpass amplifier

- [NASA-CASE-GSC-12788-1] c 33 N83-12333

- Phase detector for three-phase power factor controller

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- Ophthalmic method and apparatus

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- Ophthalmic liquidation pump

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- Optical frequency waveguide and transmission system Patent
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- Optical communications system Patent
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- Apparatus for simulating optical transmission links
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- Fiber optic crossbar switch for automatically patching optical signals
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 - Recorder/processor apparatus -- for optical data processing
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 - Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
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 - Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
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 - Real-time multiple-look synthetic aperture radar processor for spacecraft applications
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 - Optical characteristics measuring apparatus Patent
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 - Combined optical attitude and altitude indicating instrument Patent
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 - Petzval type objective including field shaping lens Patent
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 - Compact spectroradiometer
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 - Method of coating solar cell with borosilicate glass and resultant product
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- Optical alignment device
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- Optical instrument employing reticle having preselected visual response pattern formed thereon
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- Rhombo prism pair for rotating the plane of parallel light beams
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- High temperature lens construction Patent
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 - Method of making inflatable honeycomb Patent
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 - Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
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 - Flexible conductive disc electrode Patent
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 - Solar array strip and a method for forming the same
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- Pressure limiting propellant actuating system
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 - Recovery of aluminum from composite propellants
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- Casting propellant in rocket engine
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 - Solid propellant rocket motor and method of making same
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[NASA-CASE-XHO-01897] c 28 N70-35381
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- Propellant grain for rocket motors Patent
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 - Slosh suppressing device and method Patent
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 - Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
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[NASA-CASE-XMF-01899] c 31 N70-41948
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 - Method for continuous variation of propellant flow and thrust in propulsive devices Patent
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[NASA-CASE-XLE-02068] c 28 N71-15661
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 - Vapor liquid separator Patent
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 - Filler valve Patent
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- Proportional controller Patent
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 - Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
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[NASA-CASE-XNP-00650] c 27 N71-28929
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 - Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
 - Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
 - Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
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 - Compact artificial hand
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[NASA-CASE-XMS-09691-1] c 18 N71-15545
 - Biological isolation garment Patent
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[NASA-CASE-XMS-10269] c 05 N71-24147
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[NASA-CASE-KSC-10164] c 07 N71-33108
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 - Ultra-violet process for producing flame resistant polyamides and products produced thereby -- protective clothing for high oxygen environments
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 - Method and apparatus for shock protection Patent
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[NASA-CASE-XLA-01291] c 33 N70-36617
 - Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
 - Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
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[NASA-CASE-GSC-10007] c 18 N71-16046
 - Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
 - Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

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- Aerodynamic protection for space flight vehicles Patent
 [NASA-CASE-XNP-02507] c 31 N71-17679
 Heat protection apparatus Patent
 [NASA-CASE-XLA-00892] c 33 N71-17897
 Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
 [NASA-CASE-XGS-02011] c 15 N71-20739
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 [NASA-CASE-XGS-04799] c 18 N71-24183
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 [NASA-CASE-XNP-09469] c 24 N71-25555
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 [NASA-CASE-XLA-01745] c 33 N71-28903
 Method of coating through-holes Patent
 [NASA-CASE-XMF-05999] c 15 N71-29032
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 Method of coating solar cell with borosilicate glass and resultant product
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 [NASA-CASE-LEW-13174-1] c 34 N81-12363
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 Coating with overlay metallic-cermet alloy systems
 [NASA-CASE-LEW-13639-2] c 26 N83-17683

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 Omnidirectional multiple impact landing system Patent
 [NASA-CASE-XLA-09881] c 31 N71-16085

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- Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
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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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- Focal plane array optical proximity sensor
 [NASA-CASE-NPO-15155-1] c 74 N81-22894

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- Rapid sync acquisition system Patent
 [NASA-CASE-NPO-10214] c 10 N71-26577
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 [NASA-CASE-NPO-11406] c 08 N73-12175

- Two carrier communication system with single transmitter
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 Tensile strength testing device Patent

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- Resuscitation apparatus Patent
 [NASA-CASE-XMS-01115] c 05 N70-39922

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System for monitoring signal amplitude ranges

- [NASA-CASE-XMS-04661-1] c 09 N69-39885

Analog to digital converter Patent

[NASA-CASE-XLA-00670] c 08 N71-12501

Pulse amplitude and width detector Patent

[NASA-CASE-XMF-06519] c 09 N71-12519

Analog-to-digital converter

[NASA-CASE-XNP-00477] c 08 N73-28045

Electro-mechanical sine/cosine generator

[NASA-CASE-LAR-11389-1] c 33 N77-26387

Speech analyzer

[NASA-CASE-GSC-11898-1] c 32 N77-30309

Power factor control system for ac induction motors

[NASA-CASE-MFS-23988-1] c 33 N81-27395

PULSE AMPLITUDE MODULATION

Signal ratio system utilizing voltage controlled oscillators

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[NASA-CASE-XMF-04367] c 09 N71-23545

Pulse switching for high energy lasers

[NASA-CASE-NPO-14556-1] c 33 N82-24418

PULSE CODE MODULATION

Adaptive compression of communication signals

Patent

[NASA-CASE-XLA-03076] c 07 N71-11266

Bi-polar phase detector and corrector for split phase

PCM data signals Patent

[NASA-CASE-XGS-01590] c 07 N71-12392

System for recording and reproducing pulse code modulated data Patent

[NASA-CASE-XGS-01021] c 08 N71-21042

Frequency shift keying apparatus Patent

[NASA-CASE-XGS-01537] c 07 N71-23405

Data compression system

[NASA-CASE-NPO-11243] c 07 N72-20154

Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier

[NASA-CASE-NPO-11338] c 08 N72-25208

Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system

[NASA-CASE-NPO-11302-1] c 07 N73-13149

Method and apparatus for a single channel digital communications system -- synchronization of received PCM signal by digital correlation with reference signal

[NASA-CASE-NPO-11302-2] c 32 N74-10132

Multifunction audio digitizer -- producing direct delta and pulse code modulation

[NASA-CASE-MSC-13855-1] c 35 N74-17885

Pulse code modulated signal synchronizer

[NASA-CASE-MSC-12462-1] c 32 N74-20809

Pulse code modulated signal synchronizer

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Digital transmitter for data bus communications system

[NASA-CASE-MSC-14558-1] c 32 N75-21486

Compact bi-phase pulse coded modulation decoder

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Low distortion receiver for bi-level baseband PCM waveforms

[NASA-CASE-MSC-14557-1] c 32 N76-16249

Differential pulse code modulation

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

Digital demodulator

[NASA-CASE-LAR-12659-1] c 33 N82-26570

PULSE COMMUNICATION

Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent

[NASA-CASE-XNP-00911] c 08 N70-41961

Differential pulse code modulation

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

Memory-based frame synchronizer -- for digital communication systems

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Frequency to analog converter Patent

[NASA-CASE-XNP-07040] c 08 N71-12500

Pulse amplitude and width detector Patent

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Variable pulse width multiplier Patent

[NASA-CASE-XLA-02850] c 09 N71-20447

Pulse width inverter Patent

[NASA-CASE-MFS-10068] c 10 N71-25139

Multibrillator circuit with means to prevent false triggering from supply voltage fluctuations Patent

[NASA-CASE-ARC-10137-1] c 09 N71-28468

Pulse stretcher for narrow pulses

[NASA-CASE-MSC-14130-1] c 33 N74-32711

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Pulse width modulation multiplier Patent

[NASA-CASE-XER-09213] c 07 N71-12390

Variable duration pulse integrator Patent

[NASA-CASE-XLA-01219] c 10 N71-23084

Transistor servo system including a unique differential amplifier circuit Patent

[NASA-CASE-XMF-05195] c 10 N71-24861

Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent

[NASA-CASE-XGS-04224] c 10 N71-26418

Monostable multivibrator with complementary NOR gates Patent

[NASA-CASE-MSC-13492-1] c 10 N71-28860

Load current sensor for a series pulse width modulated power supply

[NASA-CASE-GSC-10655-1] c 09 N72-25249

Buck/boost regulator

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Digitally controlled frequency synthesizer Patent

[NASA-CASE-XGS-02317] c 09 N71-23525

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[NASA-CASE-XNP-09759] c 08 N71-24891

Frequency modulation demodulator threshold extension device Patent

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Flipflop interrogator and bi-polar current driver Patent

[NASA-CASE-XGS-03058] c 10 N71-19547

Pulse modulator providing fast rise and fall times Patent

[NASA-CASE-XMS-04919] c 09 N71-23270

Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent

[NASA-CASE-XGS-03632] c 09 N71-23311

Resettable monostable pulse generator Patent

[NASA-CASE-GSC-11139] c 09 N71-27016

Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent

[NASA-CASE-XNP-00745] c 10 N71-28960

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Method and apparatus for nondestructive testing -- using high frequency arc discharges

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Frequency tracked pulse technique for ultrasonic analysis

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Active lamp pulse driver circuit -- for use in laser transmitters

[NASA-CASE-GSC-12566-1] c 36 N82-10390

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[NASA-CASE-NPO-15865-1] c 74 N83-12991

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[NASA-CASE-XNP-06234] c 10 N71-27137

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[NASA-CASE-MSC-14129-1] c 33 N75-18479

Pulse transducer with artifact signal attenuator -- heart rate sensors

[NASA-CASE-FRC-11012-1] c 52 N80-23969

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Repetitively pulsed, wavelength selective laser Patent

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[NASA-CASE-GSC-11746-1] c 36 N75-19654

Isotope separation using metallic vapor lasers

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RADAR RANGE

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[NASA-CASE-XGS-03501] c 09 N71-20864

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[NASA-CASE-XLA-06199] c 15 N71-24875

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Radiative cooler

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[NASA-CASE-XLE-00490] c 33 N70-34545

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[NASA-CASE-XLE-00387] c 33 N70-34812

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[NASA-CASE-XGS-00466] c 21 N70-34297

Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent

[NASA-CASE-XLE-00243] c 14 N70-38602

Baseline stabilization system for ionization detector Patent

[NASA-CASE-XNP-03128] c 10 N70-41991

Method of forming thin window drifted silicon charged particle detector Patent

[NASA-CASE-XLE-00808] c 24 N71-10560

Dosimeter for high levels of absorbed radiation Patent

[NASA-CASE-XLA-03645] c 14 N71-20430

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Radiation and particle detector and amplifier

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Miniature spectrally selective dosimeter

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Irradiance measuring device

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[NASA-CASE-XLE-00011] c 14 N70-41946

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SABOT PROJECTILES

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[NASA-CASE-XMF-05195]	[NASA-CASE-ERC-10292] c 14 N72-25410
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[NASA-CASE-NPO-10758]	SHEARING
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[NASA-CASE-NPO-10351]	[NASA-CASE-NPO-10351] c 08 N71-12503
Counter and shift register Patent	Counter and shift register Patent
[NASA-CASE-XNP-01753]	[NASA-CASE-XNP-01753] c 08 N71-22897
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[NASA-CASE-NPO-10743]	[NASA-CASE-NPO-10743] c 08 N72-21199
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[NASA-CASE-NPO-11082]	[NASA-CASE-NPO-11082] c 08 N72-22167
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[NASA-CASE-ARC-10899-1]	[NASA-CASE-ARC-10899-1] c 60 N77-19760
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[NASA-CASE-XMF-01045]	[NASA-CASE-XMF-01045] c 15 N70-40354
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[NASA-CASE-XMS-03722]	[NASA-CASE-XMS-03722] c 15 N71-21530
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[NASA-CASE-XLA-01530]	[NASA-CASE-XLA-01530] c 14 N71-23092
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[NASA-CASE-XAC-00731] c 11 N71-15960
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[NASA-CASE-XLA-02865] c 28 N71-15563

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[NASA-CASE-XAC-02970] c 14 N69-39896

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Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
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[NASA-CASE-FRC-11072-1] c 35 N82-24474

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[NASA-CASE-MFS-20890] c 14 N72-22439
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[NASA-CASE-MFS-20861-1] c 18 N73-32437
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[NASA-CASE-LEW-11915-1] c 35 N76-14431

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[NASA-CASE-XLA-08491] c 05 N69-21380

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[NASA-CASE-XLE-01015] c 03 N69-39898
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Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

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[NASA-CASE-MFS-23047-1] c 37 N76-18454

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[NASA-CASE-LAR-11919-1] c 07 N78-27121

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Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658

Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

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[NASA-CASE-XLA-01043] c 28 N71-10780

Composite seal for turbomachinery -- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318

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[NASA-CASE-LEW-12131-3] c 37 N82-19540

Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366

Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714

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High speed shutter -- electrically actuated ribbon loop for shutting optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

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[NASA-CASE-MFS-25878-1] c 18 N83-12138

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[NASA-CASE-FRC-11058-1] c 85 N82-33288

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[NASA-CASE-XNP-02723] c 07 N70-41680

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Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907

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Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852

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[NASA-CASE-NPO-11302-2] c 32 N74-10132

Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705

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[NASA-CASE-GSC-11744-1] c 33 N75-26243

Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372

Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946

Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

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System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885

Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033

Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257

Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240

Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711

Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935

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[NASA-CASE-GSC-11898-1] c 32 N77-30309

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Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958

Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747

Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392

Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289

Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262

Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313

Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338

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Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161

Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519

System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138

Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423

Pulse transducer with artifact signal attenuator -- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427

Maser amplifier slow wave structure -- detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425

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[NASA-CASE-MFS-25607-1] c 33 N82-26574

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Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

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[NASA-CASE-XLA-03076] c 07 N71-11266

Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427

Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583

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[NASA-CASE-XMS-06949] c 09 N69-21467

Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468

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[NASA-CASE-XNP-10830] c 07 N71-11281

Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722

Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545

Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622

Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798

Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374

Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338

System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150

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Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255

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[NASA-CASE-NPO-11147] c 14 N72-27408

Digital servo control of random sound test excitation
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[NASA-CASE-NPO-11623-1] c 71 N74-31148

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[NASA-CASE-MFS-22671-1] c 35 N75-21582

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[NASA-CASE-ARC-10802-1] c 35 N75-30502

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[NASA-CASE-ARC-10897-1] c 33 N77-31404

Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348

Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349

Underwater seismic source -- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555

Frequency translating phase conjugation circuit for active retrodirective antenna array -- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185

Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116

Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N81-31481

Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360

Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716

Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294

Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N82-29331

Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345

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

Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308

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[NASA-CASE-XLA-03076] c 07 N71-11266

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[NASA-CASE-XMS-07168] c 07 N71-11300

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 [NASA-CASE-XNP-08274] c 10 N71-13537

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 [NASA-CASE-XNP-00746] c 07 N71-21476

Sidereal frequency generator Patent
 [NASA-CASE-XGS-02610] c 14 N71-23174

Feedback integrator with grounded capacitor Patent
 [NASA-CASE-XAC-10607] c 10 N71-23669

Signal processing apparatus for multiplex transmission Patent
 [NASA-CASE-NPO-10388] c 07 N71-24622

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 [NASA-CASE-NPO-10140] c 07 N71-24742

Electronic scanning of 2-channel monopulse patterns Patent
 [NASA-CASE-GSC-10299-1] c 09 N71-24804

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 [NASA-CASE-KSC-10002] c 10 N71-25865

Transient video signal recording with expanded playback Patent
 [NASA-CASE-ARC-10003-1] c 09 N71-25866

Phase multiplying electronic scanning system Patent
 [NASA-CASE-NPO-10302] c 10 N71-26142

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 [NASA-CASE-XNP-09830] c 14 N71-26266

Digital modulator and demodulator Patent
 [NASA-CASE-ERC-10041] c 08 N71-29138

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 [NASA-CASE-XLA-07788] c 09 N71-29139

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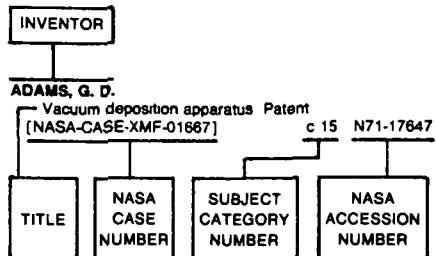
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NASA PATENT ABSTRACTS BIBLIOGRAPHY

Section 2

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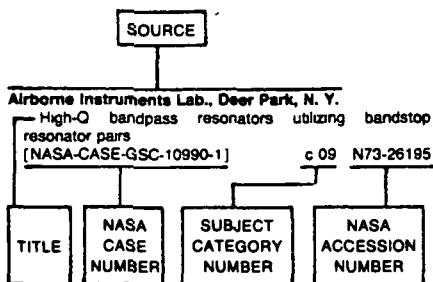
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 [NASA-CASE-ARC-10810-1] c 33 N78-19339
Ford Motor Co., Dearborn, Mich.
 Omnidirectional acceleration device Patent
 [NASA-CASE-HQN-10780] c 14 N71-30265
FMC Corp., New York.
 Decomposition unit Patent
 [NASA-CASE-XMS-00583] c 28 N70-38504

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Garrett Corp., Los Angeles, Calif.

Relief valve
 [NASA-CASE-XMS-05894-1] c 15 N69-21924
 Portable environmental control system Patent
 [NASA-CASE-XMS-09632-1] c 05 N71-11203
 Dual latching solenoid valve Patent
 [NASA-CASE-XMS-05890] c 09 N71-23191
 Water management system and an electrolytic cell therefor Patent
 [NASA-CASE-MSC-10960-1] c 03 N71-24718
 Low cycle fatigue testing machine
 [NASA-CASE-LAR-10270-1] c 32 N72-25877
 Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
 [NASA-CASE-MSC-13335-1] c 06 N72-31140
 Flexible joint for pressurizable garment
 [NASA-CASE-MSC-11072] c 54 N74-32546
 Gas compression apparatus
 [NASA-CASE-MSC-14757-1] c 35 N78-10428
 Wind tunnel
 [NASA-CASE-LAR-10135-1] c 09 N79-21083

General Electric Co., Cleveland, Ohio.

Water separator
 [NASA-CASE-XMS-01295-1] c 37 N79-21345
Garrett Corp., Torrance, Calif.
 Adaptive reference voltage generator for firing angle control of line-commutated inverters
 [NASA-CASE-MFS-25215-1] c 33 N81-31481
General Dynamics Corp., San Diego, Calif.
 Light radiation direction indicator with a baffle of two parallel grids
 [NASA-CASE-XNP-03930] c 14 N69-24331
 Method and apparatus for attaching physiological monitoring electrodes Patent
 [NASA-CASE-XFR-07658-1] c 05 N71-26293
 Driving lamps by induction
 [NASA-CASE-MFS-21214-1] c 09 N73-30181
General Dynamics/Astronautics, San Diego, Calif.
 Determination of spot weld quality Patent
 [NASA-CASE-XNP-02588] c 15 N71-18613
 Pressure transducer calibrator Patent
 [NASA-CASE-XNP-01660] c 14 N71-23036
 Plating nickel on aluminum castings Patent
 [NASA-CASE-XNP-04148] c 17 N71-24830
General Dynamics/Convair, San Diego, Calif.
 Signal generator
 [NASA-CASE-XNP-05612] c 09 N69-21468
 Separation nut Patent
 [NASA-CASE-XGS-01971] c 15 N71-15922
 Zero gravity separator Patent
 [NASA-CASE-XLE-00586] c 15 N71-15968
 Catalyst cartridge for carbon dioxide reduction unit
 [NASA-CASE-LAR-10551-1] c 25 N74-12813
 Heat exchanger
 [NASA-CASE-MFS-22991-1] c 34 N77-10463
General Electric Co., Cincinnati, Ohio.
 Dual output variable pitch turbofan actuation system
 [NASA-CASE-LEW-12419-1] c 07 N77-14025
 Reverse pitch fan with divided splitter
 [NASA-CASE-LEW-12760-1] c 07 N77-17059
 Leading edge protection for composite blades
 [NASA-CASE-LEW-12550-1] c 24 N77-19170
 Oil cooling system for a gas turbine engine
 [NASA-CASE-LEW-12830-1] c 07 N77-23106
 Blade retainer assembly
 [NASA-CASE-LEW-12608-1] c 07 N77-27116
 Platform for a swing root turbomachinery blade
 [NASA-CASE-LEW-12312-1] c 07 N77-32148
 Deformable bearing seat
 [NASA-CASE-LEW-12527-1] c 37 N77-32500
 Bearing seat usable in a gas turbine engine
 [NASA-CASE-LEW-12477-1] c 37 N77-32501
 Oil cooling system for a gas turbine engine
 [NASA-CASE-LEW-12321-1] c 37 N78-10467
 Impact absorbing blade mounts for variable pitch blades
 [NASA-CASE-LEW-12313-1] c 37 N78-10468
 Variable thrust nozzle for quiet turbofan engine and method of operating same
 [NASA-CASE-LEW-12317-1] c 07 N78-17055
 Gas turbine engine with convertible accessories
 [NASA-CASE-LEW-12390-1] c 07 N78-17056
 Variable cycle gas turbine engines
 [NASA-CASE-LEW-12916-1] c 37 N78-17384
 Gas turbine engine with recirculating bleed
 [NASA-CASE-LEW-12452-1] c 07 N78-25089
 Redundant disc
 [NASA-CASE-LEW-12496-1] c 07 N78-33101
 Fuel delivery system including heat exchanger means
 [NASA-CASE-LEW-12793-1] c 37 N79-11403
 Integrated gas turbine engine-nacelle
 [NASA-CASE-LEW-12389-3] c 07 N79-14096
 Variable area exhaust nozzle
 [NASA-CASE-LEW-12378-1] c 07 N79-14097
 Sound-suppressing structure with thermal relief
 [NASA-CASE-LEW-12658-1] c 71 N79-14871
 Method and apparatus for rapid thrust increases in a turbofan engine
 [NASA-CASE-LEW-12971-1] c 07 N80-18039
 Curved centerline air intake for a gas turbine engine
 [NASA-CASE-LEW-13201-1] c 07 N81-14999
 Apparatus for sensor failure detection and correction in a gas turbine engine control system
 [NASA-CASE-LEW-12907-2] c 07 N81-19115
 Integrated control system for a gas turbine engine
 [NASA-CASE-LEW-12594-2] c 07 N81-19116
 Thrust reverser for long duct fan engine
 [NASA-CASE-LEW-13199-1] c 07 N82-26293
 Tip cap for a rotor blade
 [NASA-CASE-LEW-13654-1] c 07 N83-14129
 Apparatus and method for improving the fuel efficiency of a gas turbine engine
 [NASA-CASE-LEW-13142-1] c 07 N83-14130
General Electric Co., Cleveland, Ohio.
 Variable mixer propulsion cycle
 [NASA-CASE-LEW-12917-1] c 07 N78-18067

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 [NASA-CASE-XHQ-03903] c 15 N69-21922
 Didymium hydrate additive to nickel hydroxide electrodes Patent
 [NASA-CASE-XGS-03505] c 03 N71-10608
 Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
 [NASA-CASE-XGS-02011] c 15 N71-20739
 Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
 [NASA-CASE-MSC-13917-1] c 05 N72-15098
 Method for measuring cutaneous sensory perception
 [NASA-CASE-MSC-13609-1] c 05 N72-25122
 Reaction tester
 [NASA-CASE-MSC-13604-1] c 05 N73-13114
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 [NASA-CASE-LAR-10076-1] c 05 N73-20137
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 [NASA-CASE-MFS-21441-1] c 14 N73-30392
 Inverter ratio failure detector
 [NASA-CASE-NPO-13160-1] c 35 N74-18090
 Electrophoretic sample insertion
 [NASA-CASE-MFS-21395-1] c 25 N74-26948
 Apparatus for conducting flow electrophoresis in the substantial absence of gravity
 [NASA-CASE-MFS-21394-1] c 34 N74-27744
 Multiparameter vision testing apparatus
 [NASA-CASE-MSC-13601-2] c 54 N75-27759
 Automatic biowaste sampling
 [NASA-CASE-MSC-14640-1] c 54 N76-14804
 Solar cell module
 [NASA-CASE-NPO-14467-1] c 44 N79-31753
 Voltage feed through apparatus having reduced partial discharge
 [NASA-CASE-GSC-12347-1] c 33 N80-18286

General Electric Co., Pleasanton, Calif.

Method of making a cermet Patent
 [NASA-CASE-LEW-10219-1] c 18 N71-28729

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Superconductive accelerometer Patent
 [NASA-CASE-KMF-01099] c 14 N71-15969
 Remote manipulator system
 [NASA-CASE-MFS-22022-1] c 37 N76-15460
 Automatic transponder
 [NASA-CASE-GSC-12075-1] c 32 N77-31350
 Directionally solidified eutectic gamma plus beta nickel-base superalloys
 [NASA-CASE-LEW-12906-1] c 26 N77-32279

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Method of determining bond quality of power transistors attached to substrates
 [NASA-CASE-MFS-21931-1] c 37 N75-26372

General Motors Corp., Detroit, Mich.

Hermetic sealed vibration damper Patent
 [NASA-CASE-MSC-10959] c 15 N71-26243

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Adjustable tension wire guide Patent
 [NASA-CASE-XMS-02383] c 15 N71-15918

General Motors Corp., Santa Barbara, Calif.

Resilient wheel Patent
 [NASA-CASE-MFS-13929] c 15 N71-27091

General Precision Systems, Inc., Little Falls, N.J.

Fluidic-thermochromic display device Patent
 [NASA-CASE-ERC-10031] c 12 N71-18603

General Precision, Inc., Little Falls, N.J.

Reversible current control apparatus Patent
 [NASA-CASE-XLA-09371] c 10 N71-18724

General Precision, Inc., Sunnyvale, Calif.

Broadband video process with very high input impedance
 [NASA-CASE-NPO-10199] c 09 N72-17156

General Technologies Corp., Reston, Va.

Method of making reinforced composite structure
 [NASA-CASE-LEW-12619-1] c 24 N77-19171

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Inflation system for balloon type satellites Patent
 [NASA-CASE-XGS-03351] c 31 N71-16081

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Bakeable McLeod gauge
 [NASA-CASE-XGS-01293-1] c 35 N79-33450

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 [NASA-CASE-XGS-01593] c 03 N70-35408

George Washington Univ., Washington, D.C.

Bacteria detection instrument and method
 [NASA-CASE-GSC-11533-1] c 14 N73-13435

Arterial pulse wave pressure transducer
 [NASA-CASE-GSC-11531-1] c 52 N74-27566

Giannini Scientific Corp., Santa Ana, Calif.

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 [NASA-CASE-ARC-10266-1] c 33 N75-29318

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 [NASA-CASE-XLE-10717] c 37 N75-29426

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 [NASA-CASE-LEW-13148-1] c 33 N80-20487

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 [NASA-CASE-LEW-13148-2] c 44 N81-29524

Globe-Union, Inc., Milwaukee, Wis.

Method of coating solar cell with borosilicate glass and resultant product
 [NASA-CASE-GSC-11514-1] c 03 N72-24037

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Foldable solar concentrator Patent
 [NASA-CASE-XLA-04622] c 03 N70-41580

Method of making a filament-wound container Patent
 [NASA-CASE-XLE-03803-2] c 15 N71-17651

Filament wound container Patent
 [NASA-CASE-XLE-03803] c 15 N71-23816

Panelized high performance multilayer insulation Patent
 [NASA-CASE-MFS-14023] c 33 N71-25351

Thermally activated foaming compositions Patent
 [NASA-CASE-LAR-10373-1] c 18 N71-26155

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

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

Grace (W. R.) and Co., Clarksville, Md.

Metal containing polymers from cyclic tetrameric phenylphosphonitramides Patent
 [NASA-CASE-HQN-10364] c 06 N71-27363

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

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 [NASA-CASE-XMS-10984-1] c 10 N71-19417

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Waveform simulator Patent
 [NASA-CASE-NPO-10251] c 10 N71-27365

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 Analog-to-digital converter
 [NASA-CASE-MSC-13110-1] c 08 N72-22163

GCA Corp., Bedford, Mass.

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochrometer Patent
 [NASA-CASE-LAR-10180-1] c 06 N71-13461

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Hamilton Standard Div., United Aircraft Corp., Windsor Locks, Conn.

Condenser removal device for heat exchanger
 [NASA-CASE-MSC-14143-1] c 77 N75-20139

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 [NASA-CASE-MSC-20112-1] c 37 N82-28641

Hamilton Standard, Windsor Locks, Conn.

Venting device for pressurized space suit helmet Patent
 [NASA-CASE-XMS-09652-1] c 05 N71-26333

Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
 [NASA-CASE-MSC-14771-1] c 54 N77-32722

Cell and method for electrolysis of water and anode
 [NASA-CASE-MSC-16394-1] c 28 N81-24280

Reactant pressure differential control for fuel cell gases
 [NASA-CASE-MSC-20127-1] c 44 N82-32843

Harris Corp., Melbourne, Fla.

Adaptive polarization separation
 [NASA-CASE-LAR-12196-1] c 33 N81-26358

Telescoping columns
 [NASA-CASE-LAR-12195-1] c 31 N81-27324

Hayes International Corp., Birmingham, Ala.

Space craft soft landing system Patent
 [NASA-CASE-XMF-02108] c 31 N70-36845

Device for preventing high voltage arcing in electron beam welding Patent
 [NASA-CASE-XMF-08522] c 15 N71-19486

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Method and apparatus for cryogenic wire stripping Patent
 [NASA-CASE-MFS-10340] c 15 N71-17628

Self-balancing strain gage transducer Patent
 [NASA-CASE-MFS-12827] c 14 N71-17656

Automatic closed circuit television arc guidance control Patent
 [NASA-CASE-MFS-13046] c 07 N71-19433

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Use of the enzyme hexokinase for the reduction of inherent light levels
 [NASA-CASE-XGS-05533] c 04 N69-27487

Light detection instrument Patent

[NASA-CASE-XGS-05534] c 23 N71-16355

Lyophilized reaction mixtures Patent

[NASA-CASE-XGS-05532] c 06 N71-17705

Firefly pump-metering system

[NASA-CASE-GSC-10218-1] c 15 N72-21465

Hercules, Inc., Wilmington, Del.

Method of repairing discontinuity in fiberglass structures

[NASA-CASE-LAR-10416-1] c 24 N74-30001

Hoffman Electronics Corp., El Monte, Calif.

Method for producing a solar cell having an integral protective covering

[NASA-CASE-XGS-04531] c 03 N69-24267

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[NASA-CASE-GSC-10041-1] c 10 N71-19418

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Bus voltage compensation circuit for controlling direct current motor

[NASA-CASE-XMS-04215-1] c 09 N69-39987

Apparatus for overcurrent protection of a push-pull amplifier Patent

[NASA-CASE-MSC-12033-1] c 09 N71-13531

Static inverter Patent

[NASA-CASE-XGS-05289] c 09 N71-19470

High impedance measuring apparatus Patent

[NASA-CASE-XMS-08589-1] c 09 N71-20569

Clamping assembly for inertial components Patent

[NASA-CASE-XMS-02184] c 15 N71-20813

Piezoelectric pump Patent

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

Controllers Patent

[NASA-CASE-XMS-07487] c 15 N71-23255

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[NASA-CASE-XNP-05297] c 15 N71-23811

Failure sensing and protection circuit for converter networks Patent

[NASA-CASE-GSC-10114-1] c 10 N71-27366

Voice operated controller Patent

[NASA-CASE-XLA-04063] c 31 N71-33160

Load current sensor for a series pulse width modulated power supply

[NASA-CASE-GSC-10656-1] c 09 N72-25249

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[NASA-CASE-NPO-11686] c 14 N73-25462

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[NASA-CASE-MSC-14096-1] c 74 N74-15095

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[NASA-CASE-LAR-11563-1] c 37 N77-23482

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[NASA-CASE-MSC-18498-1] c 60 N82-29013

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[NASA-CASE-MSC-14428-1] c 23 N77-17161

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[NASA-CASE-GSC-12082-1] c 54 N76-22914

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[NASA-CASE-XGS-02171] c 09 N69-24324

Thermally operated valve Patent

[NASA-CASE-XLE-00815] c 15 N70-35407

Thrust dynamometer Patent

[NASA-CASE-XLE-00702] c 14 N70-40203

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[NASA-CASE-XNP-03914] c 21 N71-10771

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[NASA-CASE-GSC-10452] c 07 N71-12396

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[NASA-CASE-XNP-09808] c 09 N71-12518

Guidance and maneuver analyzer Patent

[NASA-CASE-XNP-09572] c 14 N71-15621

Method of making screen by casting Patent

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

Fluid flow control valve Patent

[NASA-CASE-XLE-00703] c 15 N71-15967

Low noise single aperture multimode monopulse antenna feed system Patent

[NASA-CASE-XNP-01735] c 07 N71-22750

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[NASA-CASE-XNP-04338] c 17 N71-23046

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[NASA-CASE-XNP-00597] c 18 N71-23088

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[NASA-CASE-XNP-02139] c 18 N71-24184

Tranxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809

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[NASA-CASE-XNP-03916] c 09 N71-28810

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[NASA-CASE-XNP-01954] c 28 N71-28850

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[NASA-CASE-HQN-00936] c 31 N71-29050

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[NASA-CASE-XNP-04339] c 17 N71-29137

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[NASA-CASE-LEW-10770-1] c 28 N72-22770

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[NASA-CASE-MFS-22234-1] c 27 N75-27160

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Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888

Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847

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[NASA-CASE-XNP-02839] c 28 N70-41922

Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034

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[NASA-CASE-XNP-09768] c 09 N71-12516

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

Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661

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[NASA-CASE-XNP-09450] c 10 N71-18723

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[NASA-CASE-XNP-00777] c 10 N71-18469

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[NASA-CASE-XNP-06937] c 09 N71-19516

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[NASA-CASE-XNP-04780] c 08 N71-19687

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[NASA-CASE-XNP-02592] c 24 N71-20518

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[NASA-CASE-NPO-10096] c 07 N71-24583

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[NASA-CASE-XGS-05180] c 18 N71-25881

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[NASA-CASE-XMS-06740-1] c 07 N71-26579

Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26728

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[NASA-CASE-XNP-04262-2] c 17 N71-26773

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[NASA-CASE-NPO-10301] c 07 N72-11148

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[NASA-CASE-NPO-10303] c 07 N72-22127

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[NASA-CASE-NPO-11377] c 15 N73-27406

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[NASA-CASE-GSC-11809] c 32 N74-20863

Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304

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[NASA-CASE-GSC-12058-1] c 74 N77-26942

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[NASA-CASE-GSC-12059-1] c 35 N77-27366

Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340

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[NASA-CASE-GSC-12148-1] c 32 N79-20286

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[NASA-CASE-MSC-18035-1] c 32 N81-15179

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[NASA-CASE-GSC-12147-1] c 32 N81-27341

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[NASA-CASE-XLE-05260] c 14 N71-20429

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[NASA-CASE-GSC-11553-1] c 35 N74-15831

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[NASA-CASE-MFS-21424-1] c 34 N74-27730

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[NASA-CASE-XMS-04212-1] c 05 N71-12346

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[NASA-CASE-NPO-13969-1] c 76 N79-23798

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[NASA-CASE-XMF-04238] c 09 N69-39734

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[NASA-CASE-XMF-02107] c 15 N71-10809

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[NASA-CASE-NPO-14295-1] c 76 N80-32245

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[NASA-CASE-MSC-12609-1] c 05 N73-32012

Ionmet Corp., Palisades Park, N.J.

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[NASA-CASE-MSC-12239-1] c 52 N79-21750

IT Research Inst., Chicago, Ill.

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

Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124

Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772

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[NASA-CASE-MFS-13532] c 18 N72-17532

Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461

Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

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Direct current ballast circuit for metal halide lamp
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[NASA-CASE-XGS-08679] c 10 N71-21473

Satellite interface synchronization system
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[NASA-CASE-XNP-09752] c 14 N69-21541

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[NASA-CASE-XNP-07478] c 14 N69-21923

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[NASA-CASE-XNP-09785] c 08 N69-21928

Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929

Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

Refrigeration apparatus
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High power microwave power divider Patent		
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Manually actuated heat pump		
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Shell side liquid metal boiler		
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Method and apparatus for mapping planets		
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Current steering commutator		
[NASA-CASE-NPO-10743]	c 08	N72-21199
Automated equipotential plotter		
[NASA-CASE-NPO-11134]	c 09	N72-21246
Pressure transducer		
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Positioning mechanism		
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Solid state matrices		
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[NASA-CASE-NPO-14369-1] c 44 N83-10501
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[NASA-CASE-NPO-15935-1] c 33 N83-12334
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[NASA-CASE-NPO-15553-1] c 33 N83-12335
Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
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[NASA-CASE-NPO-15658-1] c 26 N83-19890
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Voltage regulator	Patent		Tumbler system to provide random motion		Fire resistant coating composition	Patent		
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A multichannel photoionization chamber for absorption analysis	Patent		Automatic acquisition system for phase-lock loop		Passively regulated water electrolysis rocket engine			
[NASA-CASE-ERC-10044-1]	c 14	N71-27090	[NASA-CASE-XGS-04994]	c 09	N69-21543	Patent		
Pressure sensitive transducers	Patent		Low power drain semi-conductor circuit		[NASA-CASE-XGS-08729]	c 28	N71-14044	
[NASA-CASE-ERC-10087]	c 14	N71-27334	[NASA-CASE-XGS-04999]	c 09	N69-24317	Attitude control system	Patent	
Constant frequency output two stage induction machine systems	Patent		Spacecraft battery seals		[NASA-CASE-XGS-04393]	c 21	N71-14159	
[NASA-CASE-ERC-10065]	c 09	N71-27364	[NASA-CASE-XGS-03864]	c 15	N69-24320	Retrodirective modulator	Patent	
Fluid power transmitting gas bearing	Patent		Scanning aspect sensor employing an apertured disc and a commutator		[NASA-CASE-GSC-10062]	c 14	N71-15605	
[NASA-CASE-ERC-10097]	c 15	N71-28465	[NASA-CASE-XGS-08266]	c 14	N69-27432	Spacecraft attitude detection system by stellar reference		
Color television systems using a single gun color cathode ray tube	Patent		Monopulse system with an electronic scanner		Patent			
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Ion microprobe mass spectrometer for analyzing fluid materials	Patent		Ring counter		Cartwheel satellite synchronization system	Patent		
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Orifice gross leak tester	Patent		Retrodirective optical system		Wide range linear fluxgate magnetometer	Patent		
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Device for measuring light scattering wherein the measuring beam successively reflected between a pair of parallel reflectors	Patent		Time division multiplex system		Low friction magnetic recording tape	Patent		
[NASA-CASE-XER-11203]	c 14	N71-28994	[NASA-CASE-XGS-05918]	c 07	N69-39974	[NASA-CASE-XGS-00373]	c 23	N71-15978
Quasi-optical microwave component	Patent		Doppler frequency spread correction device for multiplex transmissions		Method for etching copper	Patent		
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Multiple hologram recording and readout system			Alkali-metal silicate protective coating		Bacteriostatic conformal coating and methods of application	Patent		
Patent			[NASA-CASE-XGS-04119]	c 18	N69-39979	[NASA-CASE-GSC-10007]	c 18	N71-16046
[NASA-CASE-ERC-10151]	c 16	N71-29131	Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope		Serrodyne frequency converter re-entrant amplifier	Patent		
Plasma fluidic hybrid display	Patent		[NASA-CASE-XGS-01725]	c 14	N69-39982	[NASA-CASE-XGS-01022]	c 07	N71-16088
[NASA-CASE-ERC-10100]	c 09	N71-33519	Light sensitive digital aspect sensor	Patent	Position location and data collection system and method			
Optical systems having spatially invariant outputs			[NASA-CASE-XGS-00359]	c 14	N70-34158	Patent		
[NASA-CASE-ERC-10248]	c 14	N72-17323	Method and apparatus for determining satellite orientation utilizing spatial energy sources	Patent	[NASA-CASE-XGS-07514]	c 23	N71-16099	
Method of detecting impending saturation of magnetic cores			[NASA-CASE-XGS-00466]	c 21	N70-34297	Optical tracker having overlapping reticles on parallel axes	Patent	
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Logarithmic function generator utilizing an exponentially varying signal in an inverse manner			[NASA-CASE-XGS-00174]	c 08	N70-34743	Self-erecting reflector	Patent	
[NASA-CASE-ERC-10267]	c 09	N72-23173	Full binary adder	Patent	[NASA-CASE-XGS-09190]	c 31	N71-16102	
Method and apparatus for limiting field emission current			[NASA-CASE-XGS-00689]	c 08	N70-34787	Dust particle injector for hypervelocity accelerators	Patent	
[NASA-CASE-ERC-10015-2]	c 10	N72-27246	Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent		[NASA-CASE-XGS-06628]	c 24	N71-16213	
National Aeronautics and Space Administration.			[NASA-CASE-XGS-00381]	c 09	N70-34819	Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample	Patent	
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Application of luciferase assay for ATP to antimicrobial drug susceptibility			Variable frequency magnetic multivibrator		Angular position and velocity sensing apparatus	Patent		
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Method for fabricating a mass spectrometer inlet leak			Stretch de-spin mechanism	Patent	Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like	Patent		
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Length controlled stabilized mode-lock ND YAG laser			Folding boom assembly	Patent	Omni-directional anisotropic molecular trap			
[NASA-CASE-GSC-11571-1]	c 36	N77-25499	[NASA-CASE-XGS-00938]	c 32	N70-41367	[NASA-CASE-XGS-00783]	c 30	N71-17788
Three phase full wave dc motor decoder			Cryogenic connector for vacuum use	Patent	Method of making tubes	Patent		
[NASA-CASE-GSC-11824-1]	c 33	N77-26386	[NASA-CASE-XGS-02441]	c 15	N70-41629	[NASA-CASE-XGS-04175]	c 15	N71-18579
Gregorian all-reflective optical system			Endless tape cartridge	Patent	Pulse-type magnetic core memory element circuit with blocking oscillator feedback	Patent		
[NASA-CASE-GSC-12058-1]	c 74	N77-26942	[NASA-CASE-XGS-00769]	c 14	N70-41647	[NASA-CASE-XGS-03303]	c 08	N71-18595
Opto-mechanical subsystem with temperature compensation through isothermal design			Apparatus for producing three-dimensional recordings of fluorescence spectra	Patent	Ripple add and ripple subtract binary counters	Patent		
[NASA-CASE-GSC-12059-1]	c 35	N77-27366	[NASA-CASE-XGS-01231]	c 14	N70-41676	[NASA-CASE-XGS-04766]	c 08	N71-18602
Controlled caging and uncaging mechanism			Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors	Patent	Computing apparatus	Patent		
[NASA-CASE-GSC-11063-1]	c 37	N77-27400	[NASA-CASE-XGS-02608]	c 07	N70-41678	[NASA-CASE-XGS-04765]	c 08	N71-18693
Wideband heterodyne receiver for laser communication system			Prevention of pressure build-up in electrochemical cells	Patent	Stepping motor control circuit	Patent		
[NASA-CASE-GSC-12053-1]	c 32	N77-28346	[NASA-CASE-XGS-01419]	c 03	N70-41864	[NASA-CASE-GSC-10366-1]	c 10	N71-18772
Method and apparatus for producing an image from a transparent object			Variable time constant smoothing circuit	Patent	Traffic control system and method	Patent		
[NASA-CASE-GSC-11989-1]	c 74	N77-28932	[NASA-CASE-XGS-01983]	c 10	N70-41964	[NASA-CASE-GSC-10087-1]	c 02	N71-19287
Pseudo noise code and data transmission method and apparatus			Endless tape transport mechanism	Patent	Apparatus for measuring current flow	Patent		
[NASA-CASE-GSC-12017-1]	c 32	N77-30308	[NASA-CASE-XGS-01223]	c 07	N71-10609	[NASA-CASE-XGS-02439]	c 14	N71-19431
Speech analyzer			Reversible ring counter employing cascaded single SCR stages	Patent	Synchronous counter	Patent		
[NASA-CASE-GSC-11886-1]	c 32	N77-30309	[NASA-CASE-XGS-01473]	c 09	N71-10673	[NASA-CASE-XGS-02440]	c 08	N71-19432
Automatic transponder			Electronic beam switching commutator	Patent	Wide range data compression system	Patent		
[NASA-CASE-GSC-12075-1]	c 32	N77-31350	[NASA-CASE-XGS-01451]	c 09	N71-10677	[NASA-CASE-XGS-02612]	c 08	N71-19435
Method of treating the surface of a glass member			Sun tracker with rotatable plane-parallel plate and two photocells	Patent	Apparatus for computing square roots	Patent		
[NASA-CASE-GSC-12110-1]	c 27	N77-32308	[NASA-CASE-XGS-01159]	c 21	N71-10678	[NASA-CASE-XGS-04768]	c 08	N71-19437
Flat-plate heat pipe			Non-magnetic battery case	Patent	Method and apparatus for battery charge control	Patent		
[NASA-CASE-GSC-11998-1]	c 34	N77-32413	[NASA-CASE-XGS-00886]	c 03	N71-11053	[NASA-CASE-XGS-05432]	c 03	N71-19438
Fluid sampling device			Interconnection of solar cells	Patent	Stable amplifier having a stable quiescent point	Patent		
[NASA-CASE-GSC-12143-1]	c 35	N77-32456	[NASA-CASE-XGS-01475]	c 03	N71-11058	[NASA-CASE-XGS-02812]	c 09	N71-19466
Analog to digital converter for two-dimensional radiant energy array computers			Frequency shift keyed demodulator	Patent	Tracking antenna system	Patent		
[NASA-CASE-GSC-11839-3]	c 60	N77-32731	[NASA-CASE-XGS-02889]	c 07	N71-11282	[NASA-CASE-GSC-10553-1]	c 07	N71-19854
Remote sensing of vegetation and soil using microwave ellipsometry			Bi-polar phase detector and corrector for split phase PCM data signals	Patent	Electrochemical coulometer and method of forming same	Patent		
[NASA-CASE-GSC-11976-1]	c 43	N78-10529	[NASA-CASE-XGS-01590]	c 07	N71-12392	[NASA-CASE-XGS-05434]	c 03	N71-20491
Memory device for two-dimensional radiant energy array computers			Data processor having multiple sections activated at different times by selective power coupling to the sections	Patent	Display for binary characters	Patent		
[NASA-CASE-GSC-11839-2]	c 60	N78-10709	[NASA-CASE-XGS-04767]	c 08	N71-12494	[NASA-CASE-XGS-04987]	c 08	N71-20571
National Aeronautics and Space Administration.					Amplifier clamping circuit for horizon scanner	Patent		
Goddard Space Flight Center, Greenbelt, Md.					[NASA-CASE-XGS-01784]	c 10	N71-20782	
Regulated dc to dc converter					Diversity receiving system with diversity phase lock	Patent		
[NASA-CASE-XGS-03429]	c 03	N69-21330			[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	Voltage to frequency converter Patent
[NASA-CASE-XGS-03501] c 09 N71-20864	[NASA-CASE-GSC-10022-1] c 10 N71-25882
System for recording and reproducing pulse code modulated data Patent	Direct current motor with stationary armature and field
[NASA-CASE-XGS-01021] c 08 N71-21042	Patent
Satellite appendage tie down cord Patent	[NASA-CASE-XGS-05290] c 09 N71-25999
[NASA-CASE-XGS-02554] c 31 N71-21064	Buck boost voltage regulation circuit Patent
Reaction wheel scanner Patent	[NASA-CASE-GSC-10735-1] c 10 N71-26085
[NASA-CASE-XGS-02629] c 14 N71-21082	Adaptive system and method for signal generation
Nonmagnetic, explosive actuated indexing device Patent	Patent
[NASA-CASE-XGS-02422] c 15 N71-21529	[NASA-CASE-GSC-11367] c 10 N71-26374
Bidirectional step torque filter with zero backlash characteristic Patent	Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04227] c 15 N71-21744	[NASA-CASE-XGS-04224] c 10 N71-26418
Conforming polisher for aspheric surface of revolution Patent	Turn on transient limiter Patent
[NASA-CASE-XGS-02884] c 15 N71-22705	[NASA-CASE-GSC-10413] c 10 N71-26531
Precision thrust gage Patent	Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-XGS-02319] c 14 N71-22965	[NASA-CASE-GSC-10891-1] c 10 N71-26626
Sealing device for an electrochemical cell Patent	Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-02630] c 03 N71-22974	[NASA-CASE-XGS-04173] c 19 N71-26674
Rotary bead dropper and selector for testing micrometeorite detectors Patent	Resettable monostable pulse generator Patent
[NASA-CASE-XGS-03304] c 09 N71-22988	[NASA-CASE-GSC-11139] c 09 N71-27016
Moment of inertia test fixture Patent	Micro-pound extended range thrust stand Patent
[NASA-CASE-XGS-01023] c 14 N71-22992	[NASA-CASE-GSC-10710-1] c 28 N71-27094
Fluid flow meter with comparator reference means Patent	Synchronous dc direct drive system Patent
[NASA-CASE-XGS-01331] c 14 N71-22996	[NASA-CASE-GSC-10065-1] c 10 N71-27136
Foamed in place ceramic refractory insulating material Patent	Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-XGS-02435] c 18 N71-22998	[NASA-CASE-GSC-10220-1] c 07 N71-27233
Digital telemetry system Patent	Gravity gradient attitude control system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001	[NASA-CASE-GSC-10555-1] c 21 N71-27324
Bonded elastomeric seal for electrochemical cells Patent	Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-02631] c 03 N71-23006	[NASA-CASE-XGS-10518] c 16 N71-28554
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent	Millimeter wave antenna system Patent Application
[NASA-CASE-XGS-02607] c 31 N71-23009	[NASA-CASE-GSC-10949-1] c 07 N71-28965
Complementary regenerative switch Patent	Sampled data controller Patent
[NASA-CASE-XGS-02751] c 09 N71-23015	[NASA-CASE-GSC-10554-1] c 08 N71-29033
Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent	Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-XGS-03427] c 10 N71-23029	[NASA-CASE-GSC-10186] c 08 N71-33110
Sidereal frequency generator Patent	Combustion products generating and metering device
[NASA-CASE-XGS-02610] c 14 N71-23174	[NASA-CASE-GSC-11095-1] c 14 N72-10375
Solar cell and circuit array and process for nullifying magnetic fields Patent	Analog spatial maneuver computer
[NASA-CASE-XGS-03390] c 03 N71-23187	[NASA-CASE-GSC-10880-1] c 08 N72-11172
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent	Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-XGS-03632] c 09 N71-23311	[NASA-CASE-GSC-10614-1] c 09 N72-11224
Sealed electrochemical cell provided with a flexible casing Patent	Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-XGS-01513] c 03 N71-23336	[NASA-CASE-GSC-11133-1] c 23 N72-11568
Digitally controlled frequency synthesizer Patent	Position location system and method
[NASA-CASE-XGS-02317] c 09 N71-23525	[NASA-CASE-GSC-10087-3] c 07 N72-12080
Radio frequency coaxial high pass filter Patent	Facsimile video remodulation network
[NASA-CASE-XGS-01418] c 09 N71-23573	[NASA-CASE-GSC-10185-1] c 07 N72-12081
Apparatus for phase stability determination Patent	Frangible electrochemical cell
[NASA-CASE-XGS-01118] c 10 N71-23662	[NASA-CASE-XGS-10010] c 03 N72-15986
Tape recorder Patent	Caterpillar micro positioner
[NASA-CASE-XGS-08259] c 14 N71-23698	[NASA-CASE-GSC-10780-1] c 14 N72-16283
Balance torquemeter Patent	Minimech self-deploying boom mechanism
[NASA-CASE-XGS-01013] c 14 N71-23725	[NASA-CASE-GSC-10566-1] c 15 N72-18477
Mechanical actuator Patent	Heated porous plug microthruster
[NASA-CASE-XGS-04548] c 15 N71-24045	[NASA-CASE-GSC-10640-1] c 28 N72-18766
Selective plating of etched circuits without removing previous plating Patent	Optimum performance spacecraft solar cell system
[NASA-CASE-XGS-03120] c 15 N71-24047	[NASA-CASE-GSC-10669-1] c 03 N72-20031
Alkali metal silicate protective coating Patent	Monostable multivibrator
[NASA-CASE-XGS-04799] c 18 N71-24183	[NASA-CASE-GSC-10082-1] c 10 N72-20221
Strain gauge measuring techniques Patent	Roll alignment detector
[NASA-CASE-XGS-04478] c 14 N71-24233	[NASA-CASE-GSC-10514-1] c 14 N72-20379
Electromagnetic polarization systems and methods Patent	Cosmic dust sensor
[NASA-CASE-GSC-10021-1] c 09 N71-24595	[NASA-CASE-GSC-10503-1] c 14 N72-20381
Redundant actuating mechanism Patent	Solenoid valve including guide for armature and valve member
[NASA-CASE-XGS-08718] c 15 N71-24600	[NASA-CASE-GSC-10607-1] c 15 N72-20442
Satellite communication system and method Patent	Fast response low power drain logic circuits
[NASA-CASE-GSC-10118-1] c 07 N71-24621	[NASA-CASE-GSC-10878-1] c 10 N72-22236
Programmable telemetry system Patent	Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10131-1] c 07 N71-24624	[NASA-CASE-GSC-10518-1] c 15 N72-22489
Coulometer and third electrode battery charging circuit Patent	Resistance soldering apparatus
[NASA-CASE-GSC-10487-1] c 03 N71-24719	[NASA-CASE-GSC-10913] c 15 N72-22491
Electronic scanning of 2-channel monopulse patterns Patent	Optical system support apparatus
[NASA-CASE-GSC-10299-1] c 09 N71-24804	[NASA-CASE-XER-07896-2] c 23 N72-22673
Annular slit colloid thruster Patent	SCR lamp driver
[NASA-CASE-GSC-10709-1] c 28 N71-25213	[NASA-CASE-GSC-10221-1] c 09 N72-23171
	Potassium silicate zinc coatings
	[NASA-CASE-GSC-10361-1] c 18 N72-23581
	Synchronous orbit battery cycler
	[NASA-CASE-GSC-11211-1] c 03 N72-25020
	Flavin coenzyme assay
	[NASA-CASE-GSC-10565-1] c 06 N72-25149
	Location identification system
	[NASA-CASE-ERC-10324] c 07 N72-25173
	A dc to ac converter having transistor synchronous rectifiers
	[NASA-CASE-GSC-11126-1] c 09 N72-25253
	Tungsten contacts on silicon substrates
	[NASA-CASE-GSC-10695-1] c 09 N72-25259
	Bacterial contamination monitor
	[NASA-CASE-GSC-10879-1] c 14 N72-25413
	Honeycomb panels formed of minimal surface periodic tubule layers
	[NASA-CASE-ERC-10364] c 18 N72-25540
	Honeycomb core structures of minimal surface tubule sections
	[NASA-CASE-ERC-10363] c 18 N72-25541
	Gunn-type solid state devices
	[NASA-CASE-XER-07895] c 26 N72-25679
	Use of unilluminated solar cells as shunt diodes for a solar array
	[NASA-CASE-GSC-10344-1] c 03 N72-27053
	Active tuned circuit
	[NASA-CASE-GSC-11340-1] c 10 N72-33230
	Electric motive machine including magnetic bearing
	[NASA-CASE-XGS-07805] c 15 N72-33476
	Cosmic dust or other similar outer space particles impact location detector
	[NASA-CASE-GSC-11291-1] c 25 N72-33696
	Method and apparatus for determining the contents of contained gas samples
	[NASA-CASE-GSC-10903-1] c 14 N73-12444
	System for stabilizing torque between a balloon and gondola
	[NASA-CASE-GSC-11077-1] c 02 N73-13008
	Diffuse reflective coating
	[NASA-CASE-GSC-11214-1] c 06 N73-13128
	Data processor with conditionally supplied clock signals
	[NASA-CASE-GSC-10975-1] c 08 N73-13187
	Apparatus for vibrational testing of articles
	[NASA-CASE-GSC-11302-1] c 14 N73-13416
	Method and system for ejecting fairing sections from a rocket vehicle
	[NASA-CASE-GSC-10590-1] c 31 N73-14853
	Plural beam antenna
	[NASA-CASE-GSC-11013-1] c 09 N73-19234
	Star tracking reticles and process for the production thereof
	[NASA-CASE-GSC-11188-2] c 21 N73-19630
	Delayed simultaneous release mechanism
	[NASA-CASE-GSC-10814-1] c 03 N73-20039
	Doppler compensation by shifting transmitted object frequency within limits
	[NASA-CASE-GSC-10087-4] c 07 N73-20174
	Signal-to-noise ratio determination circuit
	[NASA-CASE-GSC-11239-1] c 10 N73-25241
	Nutation damper
	[NASA-CASE-GSC-11205-1] c 15 N73-25513
	Low outgassing polydimethylsiloxane material and preparation thereof
	[NASA-CASE-GSC-11358-1] c 06 N73-26100
	Method of detecting and counting bacteria in body fluids
	[NASA-CASE-GSC-11092-2] c 04 N73-27052
	Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
	[NASA-CASE-GSC-10225-1] c 06 N73-27086
	Process for making RF shielded cable connector assemblies and the products formed thereby
	[NASA-CASE-GSC-11215-1] c 09 N73-28083
	Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
	[NASA-CASE-GSC-11444-1] c 14 N73-28490
	Fastener stretcher
	[NASA-CASE-GSC-11149-1] c 15 N73-30457
	Spacecraft attitude sensor
	[NASA-CASE-GSC-10890-1] c 21 N73-30640
	Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
	[NASA-CASE-GSC-11169-2] c 05 N73-32011
	Star tracking reticles
	[NASA-CASE-GSC-11188-1] c 14 N73-32320
	Peen plating
	[NASA-CASE-GSC-11163-1] c 15 N73-32360
	Recorder/processor apparatus
	[NASA-CASE-GSC-11553-1] c 35 N74-15831
	Method of making porous conductive supports for electrodes
	[NASA-CASE-GSC-11367-1] c 44 N74-19692
	Formation of star tracking reticles
	[NASA-CASE-GSC-11188-3] c 74 N74-20008
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	[NASA-CASE-GSC-11425-1] c 76 N74-20329
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	[NASA-CASE-GSC-11446-1] c 33 N74-20860
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	[NASA-CASE-GSC-11560-1] c 33 N74-20861
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	[NASA-CASE-GSC-11513-1] c 33 N74-20862

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Method of repairing discontinuity in fiberglass structures		Static pressure probe		Composite sandwich lattice structure	
[NASA-CASE-LAR-10416-1]	c 24 N74-30001	[NASA-CASE-LAR-11552-1]	c 35 N76-14429	[NASA-CASE-LAR-11898-1]	c 24 N78-10214
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft		Horn antenna having V-shaped corrugated slots		Differential sound level meter	
[NASA-CASE-LAR-10753-1]	c 08 N74-30421	[NASA-CASE-LAR-11112-1]	c 32 N76-15330	[NASA-CASE-LAR-12106-1]	c 71 N78-14867
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot		Ultrasonic calibration device		Thermoluminescent aerosol analysis	
[NASA-CASE-LAR-10550-1]	c 09 N74-30597	[NASA-CASE-LAR-11435-1]	c 35 N76-15432	[NASA-CASE-LAR-12046-1]	c 25 N78-15210
Centrifugal lyophobic separator		Deploy/release system		CW ultrasonic bolt tensioning monitor	
[NASA-CASE-LAR-10194-1]	c 34 N74-30608	[NASA-CASE-LAR-11575-1]	c 02 N76-16014	[NASA-CASE-LAR-12016-1]	c 39 N78-15512
Variably positioned guide vanes for aerodynamic choking		Clock setter		Solar heating system	
[NASA-CASE-LAR-10642-1]	c 07 N74-31270	[NASA-CASE-LAR-11458-1]	c 35 N76-16392	[NASA-CASE-LAR-12009-1]	c 44 N78-15560
Noise suppressor		Heat exchanger system and method		Transmitting and reflecting diffuser	
[NASA-CASE-LAR-11141-1]	c 07 N74-32418	[NASA-CASE-LAR-10799-2]	c 34 N76-17317	[NASA-CASE-LAR-10385-3]	c 74 N78-15879
Measuring probe position recorder		Stack plume visualization system		TV fatigue crack monitoring system	
[NASA-CASE-LAR-10806-1]	c 35 N74-32877	[NASA-CASE-LAR-11675-1]	c 45 N76-17656	[NASA-CASE-LAR-11490-1]	c 39 N78-16387
Stagnation pressure probe		Cascade plug nozzle		Method of making a composite sandwich structure	
[NASA-CASE-LAR-11139-1]	c 35 N74-32878	[NASA-CASE-LAR-11674-1]	c 07 N76-18117	[NASA-CASE-LAR-11898-2]	c 24 N78-17149
Molding apparatus		Exhaust flow deflector		Composite lamination method	
[NASA-CASE-LAR-10489-2]	c 31 N74-32920	[NASA-CASE-LAR-11570-1]	c 34 N76-18364	[NASA-CASE-LAR-12019-1]	c 24 N78-17150
Remote fire stack igniter		Method and apparatus for tensile testing of metal foil		Polyimide adhesives	
[NASA-CASE-MFS-21675-1]	c 25 N74-33378	[NASA-CASE-LAR-10208-1]	c 35 N76-18400	[NASA-CASE-LAR-12181-1]	c 27 N78-17205
Open tube guideway for high speed air cushioned vehicles		Method and apparatus for fluffing, separating, and cleaning fibers		Thermal shock and erosion resistant tantalum carbide ceramic material	
[NASA-CASE-LAR-10256-1]	c 85 N74-34672	[NASA-CASE-LAR-11224-1]	c 37 N76-18456	[NASA-CASE-LAR-11902-1]	c 27 N78-17206
Fast scan control for deflection type mass spectrometers		Therapeutic hand exerciser		Optical scanner	
[NASA-CASE-LAR-11428-1]	c 35 N74-34857	[NASA-CASE-LAR-11667-1]	c 52 N76-19785	[NASA-CASE-LAR-11711-1]	c 74 N78-17866
Apparatus for microbiological sampling		Magnetic heading reference		Molded composite pyrogen igniter for rocket motors	
[NASA-CASE-LAR-11069-1]	c 35 N75-12272	[NASA-CASE-LAR-11387-1]	c 04 N76-20114	[NASA-CASE-LAR-12018-1]	c 20 N78-24275
Method of making an explosively welded scarf joint		Apparatus for positioning modular components on a vertical or overhead surface		Non-destructive method for applying and removing instrumentation on helicopter rotor blades	
[NASA-CASE-LAR-11211-1]	c 37 N75-12326	[NASA-CASE-LAR-11465-1]	c 37 N76-21554	[NASA-CASE-LAR-11201-1]	c 35 N78-24515
Determining particle density using known material Hugenot curves		Airfoil shape for flight at subsonic speeds		Two dimensional wedge/translating shroud nozzle	
[NASA-CASE-LAR-11059-1]	c 76 N75-12810	[NASA-CASE-LAR-10585-1]	c 02 N76-22154	[NASA-CASE-LAR-11919-1]	c 07 N78-27212
Method for making conductors for ferrite memory arrays		Particulate and aerosol detector		Remote water monitoring system	
[NASA-CASE-LAR-10994-1]	c 24 N75-13032	[NASA-CASE-LAR-11434-1]	c 35 N76-22509	[NASA-CASE-LAR-11973-1]	c 35 N78-27384
Evacuated, displacement compression mold		High temperature strain gage calibration fixture		Magnetic suspension and pointing system	
[NASA-CASE-LAR-10782-2]	c 31 N75-13111	[NASA-CASE-LAR-11500-1]	c 35 N76-24523	[NASA-CASE-LAR-11889-2]	c 37 N78-27424
Automatic inoculating apparatus		Vacuum pressure molding technique		Device for measuring the contour of a surface	
[NASA-CASE-LAR-11074-1]	c 51 N75-13502	[NASA-CASE-LAR-10073-1]	c 37 N76-24575	[NASA-CASE-LAR-11869-1]	c 74 N78-27904
Automatic focus control for facsimile cameras		Instrumentation for measuring aircraft noise and sonic boom		Supersonic transport	
[NASA-CASE-LAR-11213-1]	c 35 N75-15014	[NASA-CASE-LAR-11476-1]	c 07 N76-27232	[NASA-CASE-LAR-11932-1]	c 05 N78-32086
Kinesthetic control simulator		Connector		Hypersonic airbreathing missile	
[NASA-CASE-LAR-10276-1]	c 09 N75-15662	[NASA-CASE-LAR-11709-1]	c 37 N76-27567	[NASA-CASE-LAR-12264-1]	c 15 N78-32168
Electrostatic measurement system		Capillary flow weld-bonding		Process for preparing thermoplastic aromatic polyimides	
[NASA-CASE-MFS-22129-1]	c 33 N75-18477	[NASA-CASE-LAR-11726-1]	c 37 N76-27568	[NASA-CASE-LAR-11828-1]	c 27 N78-32261
Automatic liquid inventory collecting and dispensing unit		Detector absorptivity measuring method and apparatus		Magnetometer with a miniature transducer and automatic scanning	
[NASA-CASE-LAR-11071-1]	c 35 N75-19611	[NASA-CASE-LAR-10907-1]	c 35 N76-29551	[NASA-CASE-LAR-11617-2]	c 35 N78-32397
Vacuum leak detector		Method for detecting pollutants		Independent power generator	
[NASA-CASE-LAR-11237-1]	c 35 N75-19612	[NASA-CASE-LAR-11405-1]	c 45 N76-31714	[NASA-CASE-LAR-11208-1]	c 44 N78-32539
Spectrometer integrated with a facsimile camera		Wingtip vortex dissipator for aircraft		Pseudo continuous wave instrument	
[NASA-CASE-LAR-11207-1]	c 35 N75-19613	[NASA-CASE-LAR-11645-1]	c 02 N77-10001	[NASA-CASE-LAR-12260-1]	c 35 N79-10390
Instrumentation for measurement of aircraft noise and sonic boom		Casting propellant in rocket engine		Nozzle extraction process and handlemeter for measuring handle	
[NASA-CASE-LAR-11173-1]	c 35 N75-19614	[NASA-CASE-LAR-11995-1]	c 28 N77-10213	[NASA-CASE-LAR-12147-1]	c 31 N79-11246
Laser head for simultaneous optical pumping of several dye lasers		Anti-multipath digital signal detector		Fluid velocity measuring device	
[NASA-CASE-LAR-11341-1]	c 36 N75-19655	[NASA-CASE-LAR-11827-1]	c 32 N77-10392	[NASA-CASE-LAR-11729-1]	c 34 N79-12359
High lift aircraft		Weld-bonded titanium structures		Totally confined explosive welding	
[NASA-CASE-LAR-11252-1]	c 05 N75-25914	[NASA-CASE-LAR-11549-1]	c 37 N77-11397	[NASA-CASE-LAR-10941-2]	c 37 N79-13364
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements		Phase modulating with odd and even finite power series of a modulating signal		Vortex-lift roll-control device	
[NASA-CASE-LAR-11144-1]	c 25 N75-26043	[NASA-CASE-LAR-11607-1]	c 32 N77-14292	[NASA-CASE-LAR-11868-2]	c 08 N79-14108
Resonant waveguide Stark cell		Miniature biaxial strain transducer		Electronically scanned pressure sensor module with in SITU calibration capability	
[NASA-CASE-LAR-11352-1]	c 33 N75-26245	[NASA-CASE-LAR-11648-1]	c 35 N77-14407	[NASA-CASE-LAR-12230-1]	c 35 N79-14347
Fluid control apparatus and method		Precision alignment apparatus for cutting a workpiece		Versatile LDV burst simulator	
[NASA-CASE-LAR-11110-1]	c 34 N75-26282	[NASA-CASE-LAR-11658-1]	c 37 N77-14478	[NASA-CASE-LAR-11859-1]	c 35 N79-14349
Electrolytic cell structure		Solid propellant rocket motor and method of making same		Locking redundant link	
[NASA-CASE-LAR-11042-1]	c 33 N75-27252	[NASA-CASE-XLA-1349]	c 20 N77-17143	[NASA-CASE-LAR-11900-1]	c 37 N79-14382
Automatic microbial transfer device		Particulate and solar radiation stable coating for spacecraft		Chromatically corrected virtual image display	
[NASA-CASE-LAR-11354-1]	c 35 N75-27330	[NASA-CASE-LAR-10805-2]	c 34 N77-18382	[NASA-CASE-LAR-12251-1]	c 74 N79-14892
Polyimide adhesives		Magnetic heading reference		Apparatus for measuring an aircraft's speed and height	
[NASA-CASE-LAR-11397-1]	c 27 N75-29263	[NASA-CASE-LAR-11387-2]	c 04 N77-19056	[NASA-CASE-LAR-12275-1]	c 35 N79-18296
Bonding method in the manufacture of continuous regression rate sensor devices		Binocular device for displaying numerical information in field of view		Volumetric direct nuclear pumped laser	
[NASA-CASE-LAR-10337-1]	c 24 N75-30260	[NASA-CASE-LAR-11782-1]	c 74 N77-20882	[NASA-CASE-LAR-12183-1]	c 36 N79-18307
Meteoroid impact position locator aid for manned space station		Method of locating persons in distress		Wind tunnel	
[NASA-CASE-LAR-10629-1]	c 35 N75-33367	[NASA-CASE-LAR-11390-1]	c 32 N77-21267	[NASA-CASE-LAR-10135-1]	c 09 N79-21083
Measurement of gas production of microorganisms		Amplifying ribbon extensometer		Fatigue failure load indicator	
[NASA-CASE-LAR-11326-1]	c 35 N75-33368	[NASA-CASE-LAR-11825-1]	c 35 N77-22449	[NASA-CASE-LAR-12027-1]	c 39 N79-22537
Self-supporting strain transducer		Method of forming shrink-fit compression seal		Filtering technique based on high-frequency plant modeling for high-gain control	
[NASA-CASE-LAR-11263-1]	c 35 N75-33369	[NASA-CASE-LAR-11563-1]	c 37 N77-23482	[NASA-CASE-LAR-12215-1]	c 08 N79-23097
Annular momentum control device used for stabilization of space vehicles and the like		Vortex generator for controlling the dispersion of effluents in a flowing liquid		Electrochemical detection device	
[NASA-CASE-LAR-11051-1]	c 15 N76-14158	[NASA-CASE-LAR-12045-1]	c 34 N77-24423	[NASA-CASE-LAR-11922-1]	c 25 N79-24073
		Process for control of cell division		High-temperature microphone system	
		[NASA-CASE-LAR-10773-3]	c 51 N77-25769	[NASA-CASE-LAR-12375-1]	c 32 N79-24203
		Electro-mechanical sine/cosine generator		Helicopter rotor airfoil	
		[NASA-CASE-LAR-11389-1]	c 33 N77-26387	[NASA-CASE-LAR-12396-1]	c 02 N79-24958
		Apparatus for determining thermophysical properties of test specimens		Rotary target V-block	
		[NASA-CASE-LAR-11883-1]	c 09 N77-27131	[NASA-CASE-LAR-12007-2]	c 74 N79-25876

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Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025

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

Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715

Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156

A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995

Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143

Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

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

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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

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

Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382

Energy conversion apparatus Patent
[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 torquemeter 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

Fluid coupling Patent
[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

Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806

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

Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939

Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980

Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011

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 N70-38985

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

Telescoping-spoke 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

Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579

Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646

Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818

Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946

Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992

Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993

Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074

Inductive liquid level detection system Patent
[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

Thin-walled pressure vessel Patent
[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

Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522

Capillary radiator Patent
[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

Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932

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

Fluor 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

Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659

Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661

High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025

Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[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

Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076

Boiler for generating high quality vapor Patent
[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
[NASA-CASE-XLE-05079] c 15 N71-17652

Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688

Hot wire liquid level detector for cryogenic fluids Patent	Rocket engine injector Patent
[NASA-CASE-XLE-00454] c 23 N71-17802	[NASA-CASE-XLE-03157] c 28 N71-24736
Pulsed differential comparator circuit Patent	Multialarm summary alarm Patent
[NASA-CASE-XLE-03804] c 10 N71-19471	[NASA-CASE-XLE-03061-1] c 10 N71-24798
Foil seal Patent	Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570	[NASA-CASE-XLE-08917-2] c 15 N71-24836
Generator for a space power system Patent	Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446	[NASA-CASE-XLE-04503] c 14 N71-24864
Method of making electrical contact on silicon solar cell and resultant product Patent	Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04787] c 03 N71-20492	[NASA-CASE-XLE-04946] c 17 N71-24911
Small plasma probe Patent	Pneumatic oscillator Patent
[NASA-CASE-XLE-02578] c 25 N71-20747	[NASA-CASE-LEW-10345-1] c 10 N71-25899
Combined electrolysis device and fuel cell and method of operation Patent	Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-XLE-01645] c 03 N71-20904	[NASA-CASE-LEW-11358] c 03 N71-26084
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent	Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-00787] c 14 N71-21090	[NASA-CASE-XLE-03940] c 18 N71-26153
Control of transverse instability in rocket combustors Patent	Ion beam deflector Patent
[NASA-CASE-XLE-04603] c 33 N71-21507	[NASA-CASE-LEW-10689-1] c 28 N71-26173
High voltage divider system Patent	Rolling element bearings Patent
[NASA-CASE-XLE-02008] c 09 N71-21583	[NASA-CASE-XLE-09527-2] c 15 N71-26189
Plasma device feed system Patent	Ion thruster accelerator system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694	[NASA-CASE-LEW-10106-1] c 28 N71-26642
Burning rate control of solid propellants Patent	Propellant feed isolator Patent
[NASA-CASE-XLE-03494] c 27 N71-21819	[NASA-CASE-LEW-10210-1] c 28 N71-26781
Protective device for machine and metalworking tools Patent	Heat activated cell Patent
[NASA-CASE-XLE-01092] c 15 N71-22797	[NASA-CASE-LEW-11359] c 03 N71-268579
Cryogenic insulation system Patent	Process for glass coating an ion accelerator grid Patent
[NASA-CASE-XLE-04222] c 23 N71-22881	[NASA-CASE-LEW-10278-1] c 15 N71-28582
Method for producing fiber reinforced metallic composites Patent	Fluid jet amplifier Patent
[NASA-CASE-XLE-03925] c 18 N71-22894	[NASA-CASE-XLE-09341] c 12 N71-28741
Thermal shock apparatus Patent	Gas core nuclear reactor Patent
[NASA-CASE-XLE-02024] c 14 N71-22984	[NASA-CASE-LEW-10250-1] c 22 N71-28759
Arc electrode of graphite with ball tip Patent	Gas turbine combustor Patent
[NASA-CASE-XLE-04788] c 09 N71-22987	[NASA-CASE-LEW-10286-1] c 28 N71-28915
Gas purged dry box glove Patent	Cyclic switch Patent
[NASA-CASE-XLE-02531] c 05 N71-23080	[NASA-CASE-LEW-10155-1] c 09 N71-29035
Automatic recording McLeod gauge Patent	Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-03280] c 14 N71-23093	[NASA-CASE-XLE-00035] c 33 N71-29151
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent	Liquid spray cooling method Patent
[NASA-CASE-XLE-04501] c 09 N71-23190	[NASA-CASE-XLE-00027] c 33 N71-29152
High temperature ferromagnetic cobalt-base alloy Patent	Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-03629] c 17 N71-23248	[NASA-CASE-XLE-00155] c 28 N71-29154
Induction furnace with perforated tungsten foil shielding Patent	Corrosion resistant beryllium Patent
[NASA-CASE-XLE-04026] c 14 N71-23267	[NASA-CASE-LEW-10327] c 17 N71-33408
Gd or Sm doped silicon semiconductor composition Patent	Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XLE-10715] c 26 N71-23292	[NASA-CASE-XER-09521] c 09 N72-12136
Protection of serially connected solar cells against open circuits by the use of shunting diode Patent	Sensing probe
[NASA-CASE-XLE-04535] c 03 N71-23354	[NASA-CASE-LEW-10281-1] c 14 N72-17327
Superconducting alternator Patent	Method of making emf cell
[NASA-CASE-XLE-02823] c 09 N71-23443	[NASA-CASE-LEW-11359-2] c 03 N72-20034
Silicon solar cell with cover glass bonded to cell by metal pattern Patent	Gaseous control system for nuclear reactors
[NASA-CASE-XLE-08569] c 03 N71-23449	[NASA-CASE-XLE-04599] c 22 N72-20597
Analytical test apparatus and method for determining oxide content of alkali metal Patent	Switching regulator
[NASA-CASE-XLE-01997] c 06 N71-23527	[NASA-CASE-LEW-11005-1] c 09 N72-21243
Thermionic converter with current augmented by self induced magnetic field Patent	Saturation current protection apparatus for saturable core transformers
[NASA-CASE-XLE-01903] c 22 N71-23599	[NASA-CASE-ERC-10075-2] c 09 N72-22196
Semiconductor material and method of making same Patent	Pulse coupling circuit
[NASA-CASE-XLE-02798] c 26 N71-23654	[NASA-CASE-LEW-10433-1] c 09 N72-22197
Insulation system Patent	Solid state remote circuit selector switch
[NASA-CASE-XLE-02647] c 18 N71-23658	[NASA-CASE-LEW-10387] c 09 N72-22201
Self-lubricating fluoride metal composite materials Patent	Load-insensitive electrical device
[NASA-CASE-XLE-08511] c 18 N71-23710	[NASA-CASE-XER-11046] c 09 N72-22203
Alloys for bearings Patent	High speed rolling element bearing
[NASA-CASE-XLE-05033] c 15 N71-23810	[NASA-CASE-LEW-10856-1] c 15 N72-22490
Extrusion die for refractory metals Patent	Production of metal powders
[NASA-CASE-XLE-06773] c 15 N71-23817	[NASA-CASE-XLE-06461] c 17 N72-22530
Combustion chamber Patent	Nickel base alloy
[NASA-CASE-XLE-04857] c 28 N71-23968	[NASA-CASE-LEW-10874-1] c 17 N72-22535
Metallic film diffusion for boundary lubrication Patent	Ion thruster magnetic field control
[NASA-CASE-XLE-10337] c 15 N71-24046	[NASA-CASE-LEW-10835-1] c 28 N72-22771
Process for producing dispersion strengthened nickel with aluminum Patent	Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06969] c 17 N71-24142	[NASA-CASE-XLE-06774-2] c 06 N72-25150
Thermal radiation shielding Patent	Analog Signal to Discrete Time Interval Converter (ASDTC)
[NASA-CASE-XLE-03432] c 33 N71-24145	[NASA-CASE-ERC-10048] c 09 N72-25251
Method of attaching a cover glass to a silicon solar cell Patent	Controllable load insensitive power converters
[NASA-CASE-XLE-08569-2] c 03 N71-24681	[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-LEW-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-LEW-10450-1] c 15 N72-25448
	Selective nickel deposition
	[NASA-CASE-LEW-10965-1] c 15 N72-25452
	Method of making fiber composites
	[NASA-CASE-LEW-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-LEW-10359] c 33 N72-25911
	Inductance device with vacuum insulation
	[NASA-CASE-LEW-10330-1] c 09 N72-27226
	Apparatus for sensing temperature
	[NASA-CASE-XLE-05230] c 14 N72-27410
	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
	[NASA-CASE-LEW-10518-1] c 24 N72-33681
	Electrostatic collector for charged particles
	[NASA-CASE-LEW-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-LEW-10805-1] c 15 N73-13465
	Rocket thrust throttling system
	[NASA-CASE-LEW-10374-1] c 28 N73-13773
	Gas turbine engine fuel control
	[NASA-CASE-LEW-11187-1] c 28 N73-19793
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	[NASA-CASE-LEW-11072-1] c 14 N73-24472
	Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
	[NASA-CASE-LEW-10920-1] c 17 N73-24569
	Magneto-plasma-dynamic arc thruster
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	Ablative system
	[NASA-CASE-LEW-10359-2] c 33 N73-25952
	Parasitic suppressing circuit
	[NASA-CASE-ERC-10403-1] c 10 N73-26228
	Twisted multifilament superconductor
	[NASA-CASE-LEW-11726-1] c 26 N73-26752
	Ophthalmic method and apparatus
	[NASA-CASE-XLE-11669-1] c 05 N73-27062
	Single grid accelerator for an ion thruster
	[NASA-CASE-XLE-10453-2] c 28 N73-27699
	Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
	[NASA-CASE-LEW-11325-1] c 06 N73-27980
	Method and apparatus for measuring electromagnetic radiation
	[NASA-CASE-LEW-11159-1] c 14 N73-28488
	Welding blades to rotors
	[NASA-CASE-LEW-10533-1] c 15 N73-28515
	Low mass rolling element for bearings
	[NASA-CASE-LEW-11087-1] c 15 N73-30458
	Swirl can primary combustor
	[NASA-CASE-LEW-11326-1] c 23 N73-30665
	Enhanced diffusion welding
	[NASA-CASE-LEW-11388-1] c 15 N73-32358
	High speed hybrid bearing comprising a fluid bearing and a rolling bearing convected in series
	[NASA-CASE-LEW-11152-1] c 15 N73-32359
	Nickel aluminide coated low alloy stainless steel
	[NASA-CASE-LEW-11267-1] c 17 N73-32414
	Cobalt-base alloy
	[NASA-CASE-LEW-10436-1] c 17 N73-32415
	Nuclear fuel elements
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	Method of fabricating a twisted composite superconductor
	[NASA-CASE-LEW-11015] c 26 N73-32571
	Space vehicle with artificial gravity and earth-like environment
	[NASA-CASE-LEW-11101-1] c 31 N73-32750
	Production of hollow components for rolling element bearings by diffusion welding
	[NASA-CASE-LEW-11026-1] c 15 N73-33383
	Electron beam controller
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	Method of heat treating a formed powder product material
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	High powered arc electrodes
	[NASA-CASE-LEW-11162-1] c 33 N74-12913
	Method of forming articles of manufacture from superalloy powders
	[NASA-CASE-LEW-10805-2] c 37 N74-13179
	Deposition of alloy films
	[NASA-CASE-LEW-11262-1] c 27 N74-13270
	Supersonic-combustion rocket
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[NASA-CASE-LEW-11569-1]	c 07	N74-15453
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[NASA-CASE-NUC-10107-1]	c 33	N74-17930
Diffusion welding in air		
[NASA-CASE-LEW-11387-1]	c 37	N74-18128
Airflow control system for supersonic inlets		
[NASA-CASE-LEW-11188-1]	c 02	N74-20648
Rapidly pulsed, high intensity, incoherent light source		
[NASA-CASE-XLE-2529-3]	c 33	N74-20659
Electromagnetic flow rate meter		
[NASA-CASE-LEW-10981-1]	c 35	N74-21018
Diffusion welding		
[NASA-CASE-LEW-11388-2]	c 37	N74-21055
Journal bearings		
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[NASA-CASE-LEW-11087-3]	c 37	N74-21064
Low level signal limiter		
[NASA-CASE-XLE-04791]	c 32	N74-22096
Load insensitive electrical device		
[NASA-CASE-XER-11046-2]	c 33	N74-22864
Reinforced structural plastics		
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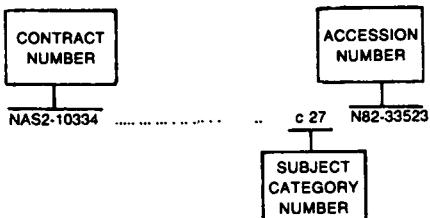
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Section 2

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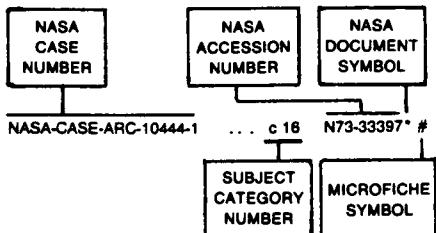
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NASA-CASE-ERC-10045	c 15	N71-24910*	NASA-CASE-FRC-11029-1	c 06	N81-17057*	NASA-CASE-GSC-10949-1	c 07	N71-28965*
NASA-CASE-ERC-10046	c 10	N71-18722*	NASA-CASE-FRC-11041-1	c 33	N82-18493*	NASA-CASE-GSC-10975-1	c 08	N73-13187*
NASA-CASE-ERC-10048	c 09	N72-25251* #	NASA-CASE-FRC-11042-1	c 60	N82-24839*	NASA-CASE-GSC-10984-1	c 37	N75-26371*
NASA-CASE-ERC-10065	c 09	N71-27364*	NASA-CASE-FRC-11043-1	c 06	N81-22048*	NASA-CASE-GSC-10990-1	c 09	N73-26195*
NASA-CASE-ERC-10072	c 09	N70-11148*	NASA-CASE-FRC-11044-1	c 37	N81-33483*	NASA-CASE-GSC-11013-1	c 09	N73-19234*
NASA-CASE-ERC-10073-1	c 24	N74-19765*	NASA-CASE-FRC-11052-1	c 04	N82-23231*	NASA-CASE-GSC-11018-1	c 31	N73-30829*
NASA-CASE-ERC-10075-2	c 09	N72-22196*	NASA-CASE-FRC-11055-1	c 33	N80-29583*	NASA-CASE-GSC-11046-1	c 07	N73-28013*
NASA-CASE-ERC-10075	c 09	N71-24800*	NASA-CASE-FRC-11058-1	c 85	N82-33288*	NASA-CASE-GSC-11063-1	c 37	N77-27400*
NASA-CASE-ERC-10081	c 14	N72-28437*	NASA-CASE-FRC-11062-1	c 71	N82-16800*	NASA-CASE-GSC-11074-1	c 14	N73-28489*
NASA-CASE-ERC-10087-2	c 14	N72-31446*	NASA-CASE-FRC-11065-1	c 05	N83-19737*	NASA-CASE-GSC-11077-1	c 02	N73-13008*
NASA-CASE-ERC-10087	c 14	N71-27334*	NASA-CASE-FRC-11068-1	c 35	N82-24473*	NASA-CASE-GSC-11079-1	c 37	N75-18574*
NASA-CASE-ERC-10088	c 26	N71-25490*	NASA-CASE-FRC-11072-1	c 35	N82-24474*	NASA-CASE-GSC-11092-2	c 04	N73-27052*
NASA-CASE-ERC-10089	c 23	N72-17747*	NASA-CASE-FRC-11074-1	c 35	N82-11436*	NASA-CASE-GSC-11095-1	c 14	N72-10375*
NASA-CASE-ERC-10090	c 21	N71-24948*	NASA-CASE-GSC-10007	c 18	N71-16046*	NASA-CASE-GSC-11126-1	c 09	N72-25253*
NASA-CASE-ERC-10097	c 15	N71-28465*	NASA-CASE-GSC-10017-1	c 44	N82-24643*	NASA-CASE-GSC-11127-1	c 09	N75-24758*
NASA-CASE-ERC-10098	c 09	N71-28618*	NASA-CASE-GSC-10018-1	c 44	N82-24644*	NASA-CASE-GSC-11133-1	c 23	N72-11568*
NASA-CASE-ERC-10100	c 09	N71-33519*	NASA-CASE-GSC-10019-1	c 44	N82-24641*	NASA-CASE-GSC-11139	c 09	N71-27016*
NASA-CASE-ERC-10108	c 06	N72-21094*	NASA-CASE-GSC-10019-1	c 09	N71-24595*	NASA-CASE-GSC-11149-1	c 15	N73-30457*
NASA-CASE-ERC-10112	c 07	N72-21119*	NASA-CASE-GSC-10021-1	c 10	N71-25882*	NASA-CASE-GSC-11169-2	c 05	N73-32011*
NASA-CASE-ERC-10113	c 09	N71-27053*	NASA-CASE-GSC-10022-1	c 10	N71-19418*	NASA-CASE-GSC-11182-1	c 15	N75-13007*
NASA-CASE-ERC-10119	c 26	N72-21701*	NASA-CASE-GSC-10041-1	c 14	N71-15605*	NASA-CASE-GSC-11188-1	c 14	N73-23230*
NASA-CASE-ERC-10120	c 26	N69-33482*	NASA-CASE-GSC-10062	c 10	N72-22235*	NASA-CASE-GSC-11188-2	c 21	N73-19630*
NASA-CASE-ERC-10125	c 09	N71-24893*	NASA-CASE-GSC-10064-1	c 10	N71-27136*	NASA-CASE-GSC-11188-3	c 74	N74-20008*
NASA-CASE-ERC-10138	c 26	N71-14354*	NASA-CASE-GSC-10065-1	c 18	N71-14014*	NASA-CASE-GSC-11205-1	c 15	N73-25513*
NASA-CASE-ERC-10139	c 09	N72-17154*	NASA-CASE-GSC-10072	c 10	N72-20221*	NASA-CASE-GSC-11211-1	c 03	N72-25202*
NASA-CASE-ERC-10150	c 14	N71-28992*	NASA-CASE-GSC-10082-1	c 30	N71-16090*	NASA-CASE-GSC-11214-1	c 06	N73-13128*
NASA-CASE-ERC-10151	c 16	N71-29131*	NASA-CASE-GSC-10083-1	c 02	N71-19287*	NASA-CASE-GSC-11215-1	c 09	N73-28083*
NASA-CASE-ERC-10174	c 14	N72-25409*	NASA-CASE-GSC-10087-1	c 21	N71-13958*	NASA-CASE-GSC-11222-1	c 16	N73-32391*
NASA-CASE-ERC-10178	c 16	N71-24832*	NASA-CASE-GSC-10087-2	c 07	N72-12080*	NASA-CASE-GSC-11239-1	c 10	N73-25241*
NASA-CASE-ERC-10179	c 07	N72-20141*	NASA-CASE-GSC-10087-3	c 07	N73-20174*	NASA-CASE-GSC-11262-1	c 36	N74-21091*
NASA-CASE-ERC-10180-1	c 60	N74-20836*	NASA-CASE-GSC-10087-4	c 08	N71-27210*	NASA-CASE-GSC-11291-1	c 25	N72-33696*
NASA-CASE-ERC-10187	c 16	N69-31343*	NASA-CASE-GSC-10097-1	c 10	N71-27366*	NASA-CASE-GSC-11296-1	c 23	N73-30665*
NASA-CASE-ERC-10208	c 15	N70-10867*	NASA-CASE-GSC-10114-1	c 07	N71-24621*	NASA-CASE-GSC-11302-1	c 14	N73-13416*
NASA-CASE-ERC-10214	c 09	N72-31235*	NASA-CASE-GSC-10118-1	c 07	N71-24624*	NASA-CASE-GSC-11304-1	c 06	N72-21105*
NASA-CASE-ERC-10222	c 09	N72-22199*	NASA-CASE-GSC-10131-1	c 33	N78-17296*	NASA-CASE-GSC-11340-1	c 10	N72-33230*
NASA-CASE-ERC-10224-2	c 09	N73-27150*	NASA-CASE-GSC-10135	c 07	N72-12081*	NASA-CASE-GSC-11353-1	c 74	N74-21304*
NASA-CASE-ERC-10224	c 09	N72-25261*	NASA-CASE-GSC-10185-1	c 06	N73-33110*	NASA-CASE-GSC-11358-1	c 06	N73-26100*
NASA-CASE-ERC-10226-1	c 14	N73-16483*	NASA-CASE-GSC-10186	c 08	N71-24725*	NASA-CASE-GSC-11367-1	c 44	N74-19692*
NASA-CASE-ERC-10248	c 14	N72-17323*	NASA-CASE-GSC-10188-1	c 23	N71-26722*	NASA-CASE-GSC-11367	c 10	N74-26374*
NASA-CASE-ERC-10267	c 09	N72-23173*	NASA-CASE-GSC-10216-1	c 15	N72-21465*	NASA-CASE-GSC-11368-1	c 09	N73-32108*
NASA-CASE-ERC-10268	c 09	N72-25252*	NASA-CASE-GSC-10218-1	c 07	N71-27233*	NASA-CASE-GSC-11394-1	c 09	N73-32109*
NASA-CASE-ERC-10275	c 26	N72-25680*	NASA-CASE-GSC-10220-1	c 09	N72-23171*	NASA-CASE-GSC-11425-1	c 76	N74-20329*
NASA-CASE-ERC-10276	c 14	N73-26432*	NASA-CASE-GSC-10221-1	c 06	N73-20786*	NASA-CASE-GSC-11425-2	c 76	N75-25730*
NASA-CASE-ERC-10283	c 16	N72-25485*	NASA-CASE-GSC-10225-1	c 09	N71-24804*	NASA-CASE-GSC-11428-1	c 32	N74-20864*
NASA-CASE-ERC-10285	c 10	N73-16206*	NASA-CASE-GSC-10299-1	c 15	N72-22487*	NASA-CASE-GSC-11434-1	c 34	N74-27859*
NASA-CASE-ERC-10292	c 14	N72-25410*	NASA-CASE-GSC-10303	c 15	N71-24694*	NASA-CASE-GSC-11444-1	c 14	N73-28490*
NASA-CASE-ERC-10307	c 08	N72-21198*	NASA-CASE-GSC-10306-1	c 03	N72-27053*	NASA-CASE-GSC-11445-1	c 31	N74-27902*
NASA-CASE-ERC-10324	c 07	N72-25173*	NASA-CASE-GSC-10344-1	c 44	N82-24645*	NASA-CASE-GSC-11446-1	c 33	N74-20860*
NASA-CASE-ERC-10325	c 15	N72-25457*	NASA-CASE-GSC-10349-1	c 44	N82-24642*	NASA-CASE-GSC-11479-1	c 35	N74-28097*
NASA-CASE-ERC-10328	c 04	N72-33072*	NASA-CASE-GSC-10350-1	c 18	N72-23581*	NASA-CASE-GSC-11487-1	c 14	N73-30393*
NASA-CASE-ERC-10339-1	c 18	N73-30532*	NASA-CASE-GSC-10361-1	c 10	N71-18772*	NASA-CASE-GSC-11492-1	c 35	N74-26949*
NASA-CASE-ERC-10350	c 14	N73-20474*	NASA-CASE-GSC-10366-1	c 07	N71-19773*	NASA-CASE-GSC-11513-1	c 33	N74-20862*
NASA-CASE-ERC-10363	c 18	N72-25541*	NASA-CASE-GSC-10373-1	c 07	N71-27407*	NASA-CASE-GSC-11514-1	c 03	N72-24037*
NASA-CASE-ERC-10364	c 18	N72-25540*	NASA-CASE-GSC-10376-1	c 07	N72-11149*	NASA-CASE-GSC-11531-1	c 52	N74-27566*
NASA-CASE-ERC-10365-1	c 31	N73-32749*	NASA-CASE-GSC-10390-1	c 10	N71-26531*	NASA-CASE-GSC-11533-1	c 14	N73-13435*
NASA-CASE-ERC-10392	c 21	N73-14692*	NASA-CASE-GSC-10413	c 14	N71-27325*	NASA-CASE-GSC-11551-1	c 37	N76-18459*
NASA-CASE-ERC-10403-1	c 10	N73-26228*	NASA-CASE-GSC-10441-1	c 07	N71-12396*	NASA-CASE-GSC-11553-1	c 35	N74-15831*
NASA-CASE-ERC-10412-1	c 09	N73-12211*	NASA-CASE-GSC-10452	c 03	N71-24719*	NASA-CASE-GSC-11560-1	c 33	N74-20861*
NASA-CASE-ERC-10419-1	c 03	N75-30132*	NASA-CASE-GSC-10487-1	c 14	N72-20381*	NASA-CASE-GSC-11569-1	c 09	N74-30886*
NASA-CASE-ERC-10439	c 02	N73-19004*	NASA-CASE-GSC-10503-1	c 14	N72-20397*	NASA-CASE-GSC-11571-1	c 36	N75-27499*
NASA-CASE-ERC-10468	c 09	N72-20206*	NASA-CASE-GSC-10514-1	c 07	N71-19854*	NASA-CASE-GSC-11573-3	c 24	N79-25143*
NASA-CASE-ERC-10552	c 09	N71-12539*	N					

NASA-CASE-GSC-11582-1	c 33	N75-19517* #	NASA-CASE-GSC-12289-1	c 37	N80-32717* #	NASA-CASE-HQN-10541-4	c 16	N71-27183*
NASA-CASE-GSC-11600-1	c 35	N74-21019* #	NASA-CASE-GSC-12291-1	c 76	N80-18951* #	NASA-CASE-HQN-10542-1	c 74	N75-25706* #
NASA-CASE-GSC-11602-1	c 33	N74-21850* #	NASA-CASE-GSC-12297-1	c 37	N79-28549* #	NASA-CASE-HQN-10595-1	c 27	N82-29455* #
NASA-CASE-GSC-11617-1	c 33	N74-32660* #	NASA-CASE-GSC-12303-1	c 24	N79-31347* #	NASA-CASE-HQN-10638-1	c 15	N73-30460* #
NASA-CASE-GSC-11619-1	c 34	N75-12222* #	NASA-CASE-GSC-12318-1	c 37	N80-23655* #	NASA-CASE-HQN-10654-1	c 16	N73-13489* #
NASA-CASE-GSC-11620-1	c 34	N74-23039* #	NASA-CASE-GSC-12321-1	c 36	N82-16396* #	NASA-CASE-HQN-10683	c 14	N71-34389* #
NASA-CASE-GSC-11623-1	c 33	N75-25040* #	NASA-CASE-GSC-12322-1	c 37	N80-14398* #	NASA-CASE-HQN-10703	c 21	N73-13643* #
NASA-CASE-GSC-11743-1	c 32	N75-24981* #	NASA-CASE-GSC-12324-1	c 33	N81-33403* #	NASA-CASE-HQN-10740-1	c 72	N74-19310* #
NASA-CASE-GSC-11744-1	c 33	N75-26243* #	NASA-CASE-GSC-12331-1	c 18	N80-14183* #	NASA-CASE-HQN-10756-1	c 14	N72-25428* #
NASA-CASE-GSC-11746-1	c 36	N75-19654* #	NASA-CASE-GSC-12334-1	c 36	N79-14362* #	NASA-CASE-HQN-10780	c 14	N71-30265*
NASA-CASE-GSC-11752-1	c 77	N75-20140* #	NASA-CASE-GSC-12347-1	c 33	N80-18286* #	NASA-CASE-HQN-10781	c 23	N71-30292*
NASA-CASE-GSC-11760-1	c 33	N75-19516* #	NASA-CASE-GSC-12348-1	c 74	N80-24149* #	NASA-CASE-HQN-10790-1	c 36	N74-11313* #
NASA-CASE-GSC-11782-1	c 74	N76-30053* #	NASA-CASE-GSC-12354-1	c 35	N82-24471* #	NASA-CASE-HQN-10792-1	c 33	N74-11049* #
NASA-CASE-GSC-11783-1	c 33	N75-19516* #	NASA-CASE-GSC-12357-1	c 74	N80-21140* #	NASA-CASE-HQN-10832-1	c 71	N74-21014* #
NASA-CASE-GSC-11786-1	c 24	N76-24363* #	NASA-CASE-GSC-12360-1	c 33	N81-19392* #	NASA-CASE-HQN-10841-1	c 73	N78-19920* #
NASA-CASE-GSC-11789-1	c 33	N77-14333* #	NASA-CASE-GSC-12365-1	c 32	N80-28578* #	NASA-CASE-HQN-10844-1	c 36	N75-19653* #
NASA-CASE-GSC-11824-1	c 33	N77-26386* #	NASA-CASE-GSC-12399-1	c 33	N81-25299* #	NASA-CASE-HQN-10862-1	c 44	N76-29699* #
NASA-CASE-GSC-11829-1	c 35	N75-27331* #	NASA-CASE-GSC-12410-1	c 33	N79-24260* #	NASA-CASE-HQN-10876-1	c 33	N76-27473* #
NASA-CASE-GSC-11839-1	c 60	N77-14751* #	NASA-CASE-GSC-12411-1	c 33	N81-14221* #	NASA-CASE-HQN-10880-1	c 17	N78-17140* #
NASA-CASE-GSC-11839-2	c 60	N78-10709* #	NASA-CASE-GSC-12415-1	c 33	N82-24419* #	NASA-CASE-HQN-10888-1	c 44	N79-14527* #
NASA-CASE-GSC-11839-3	c 60	N77-32731* #	NASA-CASE-GSC-12420-1	c 33	N82-16340* #	NASA-CASE-HQN-10931-2	c 27	N82-29452* #
NASA-CASE-GSC-11844-1	c 33	N75-19522* #	NASA-CASE-GSC-12429-1	c 37	N81-14320* #			
NASA-CASE-GSC-11849-1	c 33	N76-16332* #	NASA-CASE-GSC-12430-1	c 60	N82-16747* #	NASA-CASE-JPO-15432-1	c 32	N83-12308* #
NASA-CASE-GSC-11862-1	c 32	N76-18295* #	NASA-CASE-GSC-12442-1	c 33	N82-20398* #			
NASA-CASE-GSC-11868-1	c 17	N76-22245* #	NASA-CASE-GSC-12447-1	c 60	N80-21987* #	NASA-CASE-KSC-10002	c 10	N71-25865*
NASA-CASE-GSC-11877-1	c 74	N76-18913* #	NASA-CASE-GSC-12508-1	c 04	N81-26085* #	NASA-CASE-KSC-10003	c 10	N73-13235* #
NASA-CASE-GSC-11883-1	c 37	N77-19458* #	NASA-CASE-GSC-12513-1	c 31	N81-19343* #	NASA-CASE-KSC-10020	c 10	N71-27338*
NASA-CASE-GSC-11883-2	c 37	N78-31426* #	NASA-CASE-GSC-12515-1	c 33	N81-26360* #	NASA-CASE-KSC-10031	c 15	N72-22486* #
NASA-CASE-GSC-11889-1	c 35	N76-16393* #	NASA-CASE-GSC-12517-1	c 33	N81-22279* #	NASA-CASE-KSC-10108	c 14	N73-25461* #
NASA-CASE-GSC-11892-1	c 35	N76-15433* #	NASA-CASE-GSC-12518-1	c 33	N82-24241* #	NASA-CASE-KSC-10126	c 11	N71-24985*
NASA-CASE-GSC-11893-1	c 35	N76-31489* #	NASA-CASE-GSC-12528-1	c 74	N81-24900* #	NASA-CASE-KSC-10162	c 09	N72-11225*
NASA-CASE-GSC-11895-1	c 35	N76-15436* #	NASA-CASE-GSC-12550-1	c 37	N81-22358* #	NASA-CASE-KSC-10164	c 07	N71-33108*
NASA-CASE-GSC-11898-1	c 32	N77-30309* #	NASA-CASE-GSC-12551-1	c 18	N81-12156* #	NASA-CASE-KSC-10198	c 11	N71-28629*
NASA-CASE-GSC-11902-1	c 38	N77-17495* #	NASA-CASE-GSC-12553-1	c 33	N80-21671* #	NASA-CASE-KSC-10242	c 15	N72-23497* #
NASA-CASE-GSC-11909	c 32	N74-20663* #	NASA-CASE-GSC-12555-1	c 33	N80-26601* #	NASA-CASE-KSC-10278	c 05	N72-16015* #
NASA-CASE-GSC-11917-2	c 51	N76-29891* #	NASA-CASE-GSC-12558-1	c 35	N82-29580* #	NASA-CASE-KSC-10294	c 14	N72-18411* #
NASA-CASE-GSC-11924-1	c 33	N76-27472* #	NASA-CASE-GSC-12560-1	c 52	N82-29863* #	NASA-CASE-KSC-10326	c 08	N72-21197* #
NASA-CASE-GSC-11925-1	c 33	N76-18353* #	NASA-CASE-GSC-12565-1	c 36	N82-24485* #	NASA-CASE-KSC-10392	c 07	N73-26117* #
NASA-CASE-GSC-11960-1	c 37	N77-14479* #	NASA-CASE-GSC-12566-1	c 36	N82-10390* #	NASA-CASE-KSC-10393	c 09	N72-21247* #
NASA-CASE-GSC-11963-1	c 33	N77-10429* #	NASA-CASE-GSC-12567-1	c 33	N82-11359* #	NASA-CASE-KSC-10397	c 08	N72-25206* #
NASA-CASE-GSC-11968-1	c 32	N76-15329* #	NASA-CASE-GSC-12582-1	c 37	N81-16469* #	NASA-CASE-KSC-10513	c 15	N72-25453* #
NASA-CASE-GSC-11974-1	c 37	N77-19458* #	NASA-CASE-GSC-12582-2	c 37	N83-13460* #	NASA-CASE-KSC-10521	c 07	N73-20176* #
NASA-CASE-GSC-11975-1	c 37	N77-19458* #	NASA-CASE-GSC-12584-1	c 37	N82-32730* #	NASA-CASE-KSC-10565	c 09	N72-25250* #
NASA-CASE-GSC-11976-1	c 43	N78-10529* #	NASA-CASE-GSC-12587-1	c 35	N82-32659* #	NASA-CASE-KSC-10595	c 08	N73-12176* #
NASA-CASE-GSC-11978-1	c 37	N77-17464* #	NASA-CASE-GSC-12592-1	c 36	N81-12407* #	NASA-CASE-KSC-10615	c 15	N73-12486* #
NASA-CASE-GSC-11989-1	c 74	N77-28932* #	NASA-CASE-GSC-12595-1	c 33	N82-24422* #	NASA-CASE-KSC-10622-1	c 31	N72-21893* #
NASA-CASE-GSC-11998-1	c 34	N77-32413* #	NASA-CASE-GSC-12608-1	c 74	N83-10900* #	NASA-CASE-KSC-10626	c 14	N73-27378* #
NASA-CASE-GSC-12010-1	c 74	N78-18905* #	NASA-CASE-GSC-12609-1	c 36	N81-22344* #	NASA-CASE-KSC-10639	c 15	N73-26472* #
NASA-CASE-GSC-12017-1	c 32	N77-30308* #	NASA-CASE-GSC-12614-1	c 35	N81-12386* #	NASA-CASE-KSC-10644	c 09	N72-27227* #
NASA-CASE-GSC-12018-1	c 33	N77-14334* #	NASA-CASE-GSC-12619-1	c 37	N81-16470* #	NASA-CASE-KSC-10647-1	c 10	N72-31273* #
NASA-CASE-GSC-12022-1	c 44	N76-28635* #	NASA-CASE-GSC-12622-1	c 37	N81-22359* #	NASA-CASE-KSC-10654-1	c 07	N73-30115* #
NASA-CASE-GSC-12022-2	c 44	N78-24609* #	NASA-CASE-GSC-12630-1	c 32	N82-10287* #	NASA-CASE-KSC-10698	c 07	N73-20175* #
NASA-CASE-GSC-12023-1	c 44	N76-28635* #	NASA-CASE-GSC-12636-1	c 37	N80-29705* #	NASA-CASE-KSC-10723-1	c 37	N73-13265* #
NASA-CASE-GSC-12030-1	c 44	N78-24608* #	NASA-CASE-GSC-12640-1	c 74	N82-10862* #	NASA-CASE-KSC-10728-1	c 14	N73-32319* #
NASA-CASE-GSC-12032-2	c 43	N82-13465* #	NASA-CASE-GSC-12643-1	c 37	N81-24447* #	NASA-CASE-KSC-10729-1	c 09	N73-32110* #
NASA-CASE-GSC-12039-1	c 51	N77-22794* #	NASA-CASE-GSC-12645-1	c 33	N81-31482* #	NASA-CASE-KSC-10730-1	c 14	N73-32318* #
NASA-CASE-GSC-12044-1	c 60	N78-17691* #	NASA-CASE-GSC-12646-1	c 33	N81-32391* #	NASA-CASE-KSC-10731-1	c 33	N74-27862* #
NASA-CASE-GSC-12046-1	c 52	N79-14750* #	NASA-CASE-GSC-12650-1	c 33	N82-10324* #	NASA-CASE-KSC-10736-1	c 33	N75-19521* #
NASA-CASE-GSC-12053-1	c 32	N77-28346* #	NASA-CASE-GSC-12652-1	c 52	N82-26961* #	NASA-CASE-KSC-10750-1	c 35	N75-12270* #
NASA-CASE-GSC-12058-1	c 74	N77-26942* #	NASA-CASE-GSC-12682-1	c 35	N82-26629* #	NASA-CASE-KSC-10769-1	c 33	N74-29556* #
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NASA-CASE-GSC-12075-1	c 32	N77-31350* #	NASA-CASE-GSC-12686-1	c 27	N82-10227* #	NASA-CASE-KSC-10807-1	c 33	N75-26246* #
NASA-CASE-GSC-12077-1	c 35	N77-24455* #	NASA-CASE-GSC-12697-1	c 31	N82-11312* #	NASA-CASE-KSC-10834-1	c 33	N76-14371* #
NASA-CASE-GSC-12081-2	c 52	N82-22875* #	NASA-CASE-GSC-12725-1	c 37	N82-29603* #	NASA-CASE-KSC-10849-1	c 52	N77-14738* #
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NASA-CASE-GSC-12111-2	c 33	N81-29342* #	NASA-CASE-GSC-12782-1	c 33	N83-13360* #	NASA-CASE-KSC-11023-1	c 32	N79-23310* #
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NASA-CASE-GSC-12147-1	c 32	N81-27341* #	NASA-CASE-GSC-12808-1	c 45	N83-20446* #	NASA-CASE-KSC-11042-2	c 02	N81-26073* #
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NASA-CASE-GSC-12150-1	c 32	N79-11265* #	NASA-CASE-GSC-12824-1	c 35	N83-13424* #	NASA-CASE-KSC-11048-1	c 62	N81-24779* #
NASA-CASE-GSC-12158-1	c 51	N78-22585* #	NASA-CASE-GSC-12851-1	c 35	N83-20083* #	NASA-CASE-KSC-11057-1	c 33	N79-14305* #
NASA-CASE-GSC-12168-1	c 31	N79-17029* #				NASA-CASE-KSC-11064-1	c 31	N81-14137* #
NASA-CASE-GSC-12171-1	c 33	N79-28416* #	NASA-CASE-HQN-00573-1	c 37	N79-33468* #	NASA-CASE-KSC-11065-1	c 33	N81-26359* #
NASA-CASE-GSC-12173-1	c 51	N79-10694* #	NASA-CASE-HQN-00936	c 31	N71-29050* #	NASA-CASE-KSC-11069-1	c 52	N79-26772* #
NASA-CASE-GSC-12190-1	c 33	N79-12321* #	NASA-CASE-HQN-00937	c 07	N71-28979* #	NASA-CASE-KSC-11076-1	c 34	N81-26402* #
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NASA-CASE-GSC-12194-2	c 20	N82-18314* #	NASA-CASE-HQN-10037-1	c 14	N73-27376* #	NASA-CASE-KSC-11097-1	c 27	N82-33520* #
NASA-CASE-GSC-12207-1	c 24	N79-14156* #	NASA-CASE-HQN-10069	c 33	N75-27251* #	NASA-CASE-KSC-11099-1	c 47	N82-24779* #
NASA-CASE-GSC-12219-1	c 35	N80-18359* #	NASA-CASE-HQN-10274-1	c 27	N82-29451* #	NASA-CASE-KSC-11104-1	c 74	N81-12862* #
NASA-CASE-GSC-12223-1	c 60	N79-27864* #	NASA-CASE-HQN-10328-2	c 27	N82-29454* #	NASA-CASE-KSC-11170-1	c 33	N81-29347* #
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NASA-CASE-LAR-10061-1	c 15	N72-31483* #	NASA-CASE-LAR-10670-1	c 06	N73-30097* #	NASA-CASE-LAR-11649-1	c 51	N77-27677* #
NASA-CASE-LAR-10073-1	c 37	N76-24575* #	NASA-CASE-LAR-10670-2	c 15	N74-27360* #	NASA-CASE-LAR-11658-1	c 37	N77-14478* #
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NASA-CASE-LAR-10083-1	c 15	N71-27006* #	NASA-CASE-LAR-10688-1	c 14	N71-28935* #	NASA-CASE-LAR-11674-1	c 07	N76-18117* #
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NASA-CASE-LAR-10098	c 32	N71-26681* #	NASA-CASE-LAR-10717-1	c 21	N73-30641* #	NASA-CASE-LAR-11688-1	c 24	N82-26384* #
NASA-CASE-LAR-10102-1	c 05	N72-23085* #	NASA-CASE-LAR-10726-1	c 14	N73-20475* #	NASA-CASE-LAR-11690-1	c 35	N80-14371* #
NASA-CASE-LAR-10103-1	c 15	N73-14468* #	NASA-CASE-LAR-10728-1	c 14	N73-12445* #	NASA-CASE-LAR-11695-2	c 37	N80-18402* #
NASA-CASE-LAR-10105-1	c 34	N74-15652* #	NASA-CASE-LAR-10730-1	c 33	N74-10223* #	NASA-CASE-LAR-11695-2	c 37	N81-24443* #
NASA-CASE-LAR-10106-1	c 15	N71-27169* #	NASA-CASE-LAR-10739-1	c 14	N73-16484* #	NASA-CASE-LAR-11709-1	c 37	N76-27567* #
NASA-CASE-LAR-10121-1	c 15	N71-26721* #	NASA-CASE-LAR-10753-1	c 08	N74-30421* #	NASA-CASE-LAR-11711-1	c 74	N78-17866* #
NASA-CASE-LAR-10126-1	c 08	N73-20217* #	NASA-CASE-LAR-10756-1	c 32	N73-26910* #	NASA-CASE-LAR-11726-1	c 37	N76-27568* #
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NASA-CASE-LAR-10135-1	c 09	N79-21083* #	NASA-CASE-LAR-10774	c 10	N71-13545* #	NASA-CASE-LAR-11782-1	c 74	N77-20882* #
NASA-CASE-LAR-10137-1	c 09	N72-22204* #	NASA-CASE-LAR-10776-1	c 02	N74-10034* #	NASA-CASE-LAR-11797-1	c 05	N81-19087* #
NASA-CASE-LAR-10163-1	c 09	N72-25247* #	NASA-CASE-LAR-10782-1	c 31	N74-14133* #	NASA-CASE-LAR-11821-1	c 26	N80-28492* #
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NASA-CASE-LAR-10170-1	c 37	N74-11301* #	NASA-CASE-LAR-10799-2	c 34	N76-17317* #	NASA-CASE-LAR-11827-1	c 32	N77-10392* #
NASA-CASE-LAR-10173-1	c 27	N71-14090* #	NASA-CASE-LAR-10800-1	c 33	N72-27959* #	NASA-CASE-LAR-11828-1	c 27	N78-32261* #
NASA-CASE-LAR-10176-1	c 14	N72-20380* #	NASA-CASE-LAR-10805-2	c 34	N77-18382* #	NASA-CASE-LAR-11855-1	c 37	N81-14319* #
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NASA-CASE-LAR-10184	c 14	N72-22445* #	NASA-CASE-LAR-10812-1	c 09	N74-17955* #	NASA-CASE-LAR-11868-2	c 08	N78-14108* #
NASA-CASE-LAR-10193-1	c 15	N71-27146* #	NASA-CASE-LAR-10815-1	c 16	N72-22520* #	NASA-CASE-LAR-11869-1	c 74	N78-27904* #
NASA-CASE-LAR-10194-1	c 34	N74-30608* #	NASA-CASE-LAR-10836-1	c 26	N72-27784* #	NASA-CASE-LAR-11883-1	c 09	N77-27131* #
NASA-CASE-LAR-10195-1	c 15	N73-19458* #	NASA-CASE-LAR-10841-1	c 31	N74-27900* #	NASA-CASE-LAR-11889-1	c 35	N79-26372* #
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NASA-CASE-LAR-10249-1	c 02	N71-26110* #	NASA-CASE-LAR-10910-1	c 35	N74-13132* #	NASA-CASE-LAR-11919-1	c 07	N78-27121* #
NASA-CASE-LAR-10253-1	c 09	N72-25258* #	NASA-CASE-LAR-10913	c 14	N72-16282* #	NASA-CASE-LAR-11922-1	c 25	N79-24073* #
NASA-CASE-LAR-10256-1	c 85	N74-34672* #	NASA-CASE-LAR-10941-1	c 37	N74-21057* #	NASA-CASE-LAR-11932-1	c 05	N78-32086* #
NASA-CASE-LAR-10270-1	c 32	N72-25877* #	NASA-CASE-LAR-10942-1	c 37	N79-13364* #	NASA-CASE-LAR-11970-2	c 08	N81-19130* #
NASA-CASE-LAR-10274-1	c 14	N71-17626* #	NASA-CASE-LAR-10953-1	c 17	N73-27446* #	NASA-CASE-LAR-11973-1	c 35	N78-27384* #
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NASA-CASE-LAR-10294-1	c 26	N72-28762* #	NASA-CASE-LAR-10994-1	c 24	N75-13032* #	NASA-CASE-LAR-11999-1	c 44	N80-18552* #
NASA-CASE-LAR-10295-1	c 35	N74-21062* #	NASA-CASE-LAR-11021-1	c 32	N76-14321* #	NASA-CASE-LAR-12007-2	c 74	N79-25876* #
NASA-CASE-LAR-10305	c 14	N71-26137* #	NASA-CASE-LAR-11027-1	c 35	N74-18088* #	NASA-CASE-LAR-12009-1	c 44	N78-15560* #
NASA-CASE-LAR-10310-1	c 10	N73-20253* #	NASA-CASE-LAR-11042-1	c 33	N75-27252* #	NASA-CASE-LAR-12016-1	c 39	N78-15512* #
NASA-CASE-LAR-10311-1	c 16	N73-16536* #	NASA-CASE-LAR-11051-1	c 15	N76-14158* #	NASA CASE-LAR-12018-1	c 20	N78-24275* #
NASA-CASE-LAR-10317-1	c 32	N71-16103* #	NASA-CASE-LAR-11053-1	c 25	N74-18551* #	NASA CASE-LAR-12019-1	c 24	N78-17150* #
NASA-CASE-LAR-10318-1	c 31	N74-18089* #	NASA-CASE-LAR-11059-1	c 76	N75-12810* #	NASA-CASE-LAR-12027-1	c 39	N79-22537* #
NASA-CASE-LAR-10319-1	c 14	N73-32322* #	NASA-CASE-LAR-11069-1	c 35	N75-12272* #	NASA-CASE-LAR-12045-1	c 34	N77-24423* #
NASA-CASE-LAR-10320-1	c 09	N72-23172* #	NASA-CASE-LAR-11071-1	c 07	N75-19611* #	NASA-CASE-LAR-12046-1	c 25	N78-15210* #
NASA-CASE-LAR-10323-1	c 12	N71-17573* #	NASA-CASE-LAR-11074-1	c 51	N75-13502* #	NASA-CASE-LAR-12052-1	c 18	N81-29152* #
NASA-CASE-LAR-10337-1	c 24	N75-30260* #	NASA-CASE-LAR-11110-1	c 34	N75-26282* #	NASA-CASE-LAR-12054-1	c 27	N79-33316* #
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NASA-CASE-LAR-10365-1	c 05	N72-27102* #	NASA-CASE-LAR-11138	c 12	N71-20436* #	NASA-CASE-LAR-12065-1	c 24	N81-14000* #
NASA-CASE-LAR-10372	c 09	N71-18599* #	NASA-CASE-LAR-11139-1	c 35	N74-32878* #	NASA-CASE-LAR-12065-2	c 24	N81-33235* #
NASA-CASE-LAR-10373-1	c 18	N71-26155* #	NASA-CASE-LAR-11141-1	c 07	N74-32418* #	NASA-CASE-LAR-12077-1	c 31	N81-25259* #
NASA-CASE-LAR-10385-2	c 70	N74-13436* #	NASA-CASE-LAR-11144-1	c 25	N75-26043* #	NASA-CASE-LAR-12095-1	c 31	N81-25258* #
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NASA-CASE-LAR-10403	c 21	N71-11766* #	NASA-CASE-LAR-11173-1	c 35	N75-19614* #	NASA-CASE-LAR-12106-1	c 71	N78-14867* #
NASA-CASE-LAR-10409-1	c 31	N74-21059* #	NASA-CASE-LAR-11201-1	c 35	N78-24515* #	NASA-CASE-LAR-12147-1	c 31	N79-11246* #
NASA-CASE-LAR-10416-1	c 24	N74-30001* #	NASA-CASE-LAR-11207-1	c 35	N75-19613* #	NASA-CASE-LAR-12148-1	c 44	N82-24640* #
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NASA-CASE-LAR-10440-1	c 14	N73-32323* #	NASA-CASE-LAR-11224-1	c 37	N76-18456* #	NASA-CASE-LAR-12177-1	c 36	N81-24422* #
NASA-CASE-LAR-10450-1	c 37	N74-27905* #	NASA-CASE-LAR-11237-1	c 35	N75-19612* #	NASA-CASE-LAR-12178-1	c 74	N80-21138* #
NASA-CASE-LAR-10483-1	c 14	N73-32327* #	NASA-CASE-LAR-11252-1	c 05	N75-25914* #	NASA-CASE-LAR-12181-1	c 27	N78-17205* #
NASA-CASE-LAR-10489-1	c 31	N74-18124* #	NASA-CASE-LAR-11263-1	c 35	N75-33369* #	NASA-CASE-LAR-12183-1	c 36	N79-18307* #
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NASA-CASE-LAR-10503-1	c 09	N72-21248* #	NASA-CASE-LAR-11341-1	c 36	N75-19655* #	NASA-CASE-LAR-12205-1	c 44	N80-20810* #
NASA-CASE-LAR-10507-1	c 11	N72-25284* #	NASA-CASE-LAR-11352-1	c 33	N75-26245* #	NASA-CASE-LAR-12215-1	c 08	N79-23097* #
NASA-CASE-LAR-10511-1	c 09	N72-29172* #	NASA-CASE-LAR-11354-1	c 35	N75-27330* #	NASA-CASE-LAR-12230-1	c 35	N79-14347* #
NASA-CASE-LAR-10513-1	c 07	N72-25170* #	NASA-CASE-LAR-11361-1	c 44	N77-22607* #	NASA-CASE-LAR-12250-1	c 31	N81-26161* #
NASA-CASE-LAR-10523-1	c 14	N72-22444* #	NASA-CASE-LAR-11370-1	c 35	N80-28686* #	NASA-CASE-LAR-12251-1	c 74	N79-14892* #
NASA-CASE-LAR-10539-1	c 17	N73-12547* #	NASA-CASE-LAR-11387-1	c 04	N76-20114* #	NASA-CASE-LAR-12251-1	c 74	N80-27185* #
NASA-CASE-LAR-10541-1	c 15	N72-32487* #	NASA-CASE-LAR-11387-2	c 04	N77-19056* #	NASA-CASE-LAR-12260-1	c 35	N79-10390* #
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NASA-CASE-LAR-10546-1	c 11	N72-25287* #	NASA-CASE-LAR-11397-1	c 27	N75-29263* #	NASA-CASE-LAR-12268-1	c 08	N81-24106* #
NASA-CASE-LAR-10547-1	c 31	N74-13177* #	NASA-CASE-LAR-11405-1	c 45	N76-31714* #	NASA-CASE-LAR-12269-1	c 35	N80-18358* #
NASA-CASE-LAR-10549-1	c 31	N73-13898* #	NASA-CASE-LAR-11428-1	c 35	N74-34857* #	NASA-CASE-LAR-12275-1	c 35	N79-18296* #
NASA-CASE-LAR-10550-1	c 09	N74-30597* #	NASA-CASE-LAR-11434-1	c 35	N76-22509* #	NASA-CASE-LAR-12285-1	c 35	N80-28687* #
NASA-CASE-LAR-10551-1	c 25	N74-12813* #	NASA-CASE-LAR-11435-1	c 35	N76-15432* #	NASA-CASE-LAR-12304-1	c 35	N80-20559* #
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NASA-CASE-LAR-10574-1	c 11	N73-13257* #	NASA-CASE-LAR-11465-1	c 37	N76-21554* #	NASA-CASE-LAR-12315-1	c 37	N82-24490* #
NASA-CASE-LAR-10578-1	c 12	N73-25262* #	NASA-CASE-LAR-11476-1	c 07	N76-27232* #	NASA-CASE-LAR-12320-1	c 54	N81-27806* #
NASA-CASE-LAR-10585-1	c 02	N76-22154* #	NASA-CASE-LAR-11490-1	c 39	N78-16387* #	NASA-CASE-LAR-12321-1	c 35	N82-24470* #
NASA-CASE-LAR-10586-1	c 19	N74-15089* #	NASA-CASE-LAR-11500-1	c 35	N76-24523* #	NASA-CASE-LAR-12326-1	c 02	N81-14968* #
NASA-CASE-LAR-10590-1	c 15	N70-26819* #	NASA-CASE-LAR-11549-1	c 37	N77-11397* #	NASA-CASE-LAR-12328-1	c 36	N82-32712* #
NASA-CASE-LAR-10595-1	c 35	N74-16135* #	NASA-CASE-L					

NASA-CASE-LAR-12441-1	c 09	N82-23254* #	NASA-CASE-LEW-10326-3	c 37	N74-10474* #	NASA-CASE-LEW-11696-1	c 37	N75-13261* #
NASA-CASE-LAR-12443-1	c 74	N82-19030* #	NASA-CASE-LEW-10327	c 17	N71-33408* #	NASA-CASE-LEW-11696-2	c 26	N75-19408* #
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NASA-CASE-LAR-12588-1	c 44	N81-24525* #	NASA-CASE-LEW-10770-1	c 28	N72-22770* #	NASA-CASE-LEW-12013-1	c 33	N79-10339* #
NASA-CASE-LAR-12592-1	c 36	N82-13415* #	NASA-CASE-LEW-10794-1	c 06	N72-17093* #	NASA-CASE-LEW-12039-1	c 44	N78-14625* #
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NASA-CASE-LAR-12706-1	c 35	N81-19428* #	NASA-CASE-LEW-11072-2	c 35	N76-15434* #	NASA-CASE-LEW-12137-1	c 25	N78-10224* #
NASA-CASE-LAR-12709-1	c 35	N82-28604* #	NASA-CASE-LEW-11076-1	c 37	N74-21061* #	NASA-CASE-LEW-12159-1	c 44	N78-19599* #
NASA-CASE-LAR-12719-1	c 26	N82-31508* #	NASA-CASE-LEW-11076-2	c 37	N74-32921* #	NASA-CASE-LEW-12164-1	c 36	N77-32478* #
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NASA-CASE-LAR-12723-1	c 27	N81-15107* #	NASA-CASE-LEW-11076-4	c 37	N76-15461* #	NASA-CASE-LEW-12185-1	c 44	N78-25528* #
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NASA-CASE-LAR-12772-1	c 33	N83-16626* #	NASA-CASE-LEW-11159-1	c 14	N73-28488* #	NASA-CASE-LEW-12270-1	c 26	N77-32280* #
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NASA-CASE-LAR-12786-1	c 37	N82-20545* #	NASA-CASE-LEW-11179-1	c 27	N76-16229* #	NASA-CASE-LEW-12296-2	c 33	N82-26568* #
NASA-CASE-LAR-12787-1	c 05	N82-25240* #	NASA-CASE-LEW-11180-1	c 25	N73-25760* #	NASA-CASE-LEW-12312-1	c 07	N77-32148* #
NASA-CASE-LAR-12801-1	c 37	N82-20544* #	NASA-CASE-LEW-11187-1	c 28	N73-19793* #	NASA-CASE-LEW-12313-1	c 37	N78-10468* #
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NASA-CASE-LAR-12864-1	c 37	N82-29606* #	NASA-CASE-LEW-11286-1	c 07	N74-27490* #	NASA-CASE-LEW-12389-2	c 07	N78-18066* #
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NASA-CASE-LAR-12893-1	c 33	N82-26573* #	NASA-CASE-LEW-11388-2	c 37	N74-21055* #	NASA-CASE-LEW-12444-1	c 33	N77-28385* #
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NASA-CASE-LEW-12649-1	c 44	N78-25530* #	NASA-CASE-LEW-13853-1	c 44	N82-22672* #	NASA-CASE-MFS-20332	c 05	N72-20097* #
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NASA-CASE-LEW-12723-1	c 52	N80-18690* #	NASA-CASE-LEW-13770-1	c 27	N83-13258* #	NASA-CASE-MFS-20386	c 21	N71-19212*
NASA-CASE-LEW-12760-1	c 07	N77-17059* #	NASA-CASE-LEW-13826-1	c 24	N82-26385* #	NASA-CASE-MFS-20395	c 15	N71-24903*
NASA-CASE-LEW-12775-1	c 44	N79-11468* #	NASA-CASE-LEW-13864-1	c 27	N83-17715* #	NASA-CASE-MFS-20400	c 31	N71-18611*
NASA-CASE-LEW-12780-1	c 20	N79-20179* #	NASA-CASE-LEW-13881-1	c 72	N83-21903* #	NASA-CASE-MFS-20407	c 09	N73-19235* #
NASA-CASE-LEW-12785-1	c 37	N78-24545* #	NASA-CASE-LEW-13934-1	c 31	N83-19949* #	NASA-CASE-MFS-20408	c 18	N73-12604* #
NASA-CASE-LEW-12791-1	c 33	N78-32341* #	NASA-CASE-LEW-23169-2	c 26	N81-16209* #	NASA-CASE-MFS-20410	c 15	N71-19214*
NASA-CASE-LEW-12793-1	c 37	N79-11403* #				NASA-CASE-MFS-20413	c 15	N72-21463* #
NASA-CASE-LEW-12806-2	c 44	N81-12542* #	NASA-CASE-MFS-06074	c 15	N71-20393* #	NASA-CASE-MFS-20418	c 14	N73-24473* #
NASA-CASE-LEW-12819-1	c 44	N79-11467* #	NASA-CASE-MFS-07369	c 15	N71-20443* #	NASA-CASE-MFS-20423	c 15	N72-11388*
NASA-CASE-LEW-12819-2	c 44	N79-18444* #	NASA-CASE-MFS-10068	c 10	N71-25139* #	NASA-CASE-MFS-20433	c 15	N72-28496* #
NASA-CASE-LEW-12830-1	c 07	N77-23106* #	NASA-CASE-MFS-10340	c 15	N71-17828* #	NASA-CASE-MFS-20434	c 11	N72-25288* #
NASA-CASE-LEW-12876-1	c 27	N80-26447* #	NASA-CASE-MFS-10412	c 12	N71-17578* #	NASA-CASE-MFS-20453	c 15	N71-29133*
NASA-CASE-LEW-12892-1	c 44	N83-14692* #	NASA-CASE-MFS-10506	c 06	N73-30100* #	NASA-CASE-MFS-20482	c 15	N72-22492* #
NASA-CASE-LEW-12905-1	c 26	N78-18183* #	NASA-CASE-MFS-10507	c 06	N73-30101* #	NASA-CASE-MFS-20485	c 14	N72-11365*
NASA-CASE-LEW-12906-1	c 26	N77-32279* #	NASA-CASE-MFS-10509	c 06	N73-30103* #	NASA-CASE-MFS-20486-2	c 27	N74-17283* #
NASA-CASE-LEW-12907-2	c 07	N81-19115* #	NASA-CASE-MFS-10512	c 06	N73-30099* #	NASA-CASE-MFS-20506-1	c 35	N75-12273* #
NASA-CASE-LEW-12916-1	c 37	N78-17384* #	NASA-CASE-MFS-10555	c 11	N71-19494* #	NASA-CASE-MFS-20509	c 11	N72-17183*
NASA-CASE-LEW-12917-1	c 07	N78-18067* #	NASA-CASE-MFS-10946-1	c 31	N79-21226* #	NASA-CASE-MFS-20523	c 14	N72-27412* #
NASA-CASE-LEW-12918-1	c 44	N81-24521* #	NASA-CASE-MFS-11132	c 15	N71-17649* #	NASA-CASE-MFS-20546-2	c 14	N73-30389* #
NASA-CASE-LEW-12919-1	c 24	N83-10117* #	NASA-CASE-MFS-11133	c 31	N71-16222* #	NASA-CASE-MFS-20586	c 15	N71-17686*
NASA-CASE-LEW-12919-2	c 24	N82-26386* #	NASA-CASE-MFS-11204	c 14	N71-29134* #	NASA-CASE-MFS-20589	c 25	N72-32688* #
NASA-CASE-LEW-12933-1	c 27	N81-19296* #	NASA-CASE-MFS-11279	c 16	N71-20400* #	NASA-CASE-MFS-20596	c 14	N72-17324* #
NASA-CASE-LEW-12938-1	c 07	N82-32366* #	NASA-CASE-MFS-11492	c 06	N73-30102* #	NASA-CASE-MFS-20607-1	c 37	N76-19436* #
NASA-CASE-LEW-12940-1	c 72	N80-33186* #	NASA-CASE-MFS-11497	c 28	N71-16224* #	NASA-CASE-MFS-20619	c 28	N72-11708*
NASA-CASE-LEW-12941-1	c 26	N83-10170* #	NASA-CASE-MFS-11537	c 14	N71-20442* #	NASA-CASE-MFS-20620	c 11	N72-27262* #
NASA-CASE-LEW-12950-1	c 34	N82-11399* #	NASA-CASE-MFS-12750	c 27	N71-16223* #	NASA-CASE-MFS-20642	c 14	N72-21407* #
NASA-CASE-LEW-12955-1	c 52	N80-14684* #	NASA-CASE-MFS-12805	c 15	N71-17805* #	NASA-CASE-MFS-20645-1	c 37	N74-23070* #
NASA-CASE-LEW-12971-1	c 07	N80-18039* #	NASA-CASE-MFS-12806	c 14	N71-17588* #	NASA-CASE-MFS-20658-1	c 14	N73-30386* #
NASA-CASE-LEW-12972-1	c 44	N79-25481* #	NASA-CASE-MFS-12827	c 14	N71-17656* #	NASA-CASE-MFS-20673	c 14	N73-20476* #
NASA-CASE-LEW-12982-1	c 37	N81-19455* #	NASA-CASE-MFS-12915	c 11	N71-17600* #	NASA-CASE-MFS-20675	c 26	N73-26751* #
NASA-CASE-LEW-12989-1	c 37	N82-12442* #	NASA-CASE-MFS-13046	c 07	N71-19433* #	NASA-CASE-MFS-20698-2	c 15	N73-19457* #
NASA-CASE-LEW-12990-1	c 07	N81-29129* #	NASA-CASE-MFS-13130	c 10	N72-17173* #	NASA-CASE-MFS-20698	c 15	N72-20446* #
NASA-CASE-LEW-12991-1	c 37	N81-24442* #	NASA-CASE-MFS-13532	c 18	N72-17532* #	NASA-CASE-MFS-20710	c 11	N72-23215* #
NASA-CASE-LEW-12995-1	c 37	N80-26659* #	NASA-CASE-MFS-13688	c 15	N71-18132* #	NASA-CASE-MFS-20730-1	c 39	N74-13131* #
NASA-CASE-LEW-13027-1	c 27	N80-24437* #	NASA-CASE-MFS-13687-2	c 09	N72-22198* #	NASA-CASE-MFS-20757	c 09	N72-28225* #
NASA-CASE-LEW-13028-1	c 27	N82-33521* #	NASA-CASE-MFS-13687	c 09	N71-28691* #	NASA-CASE-MFS-20760	c 14	N72-33377* #
NASA-CASE-LEW-13050-1	c 07	N79-14095* #	NASA-CASE-MFS-13929	c 15	N71-27091* #	NASA-CASE-MFS-20761-1	c 44	N74-27519* #
NASA-CASE-LEW-13080-2	c 27	N82-11210* #	NASA-CASE-MFS-13994-1	c 06	N71-11240* #	NASA-CASE-MFS-20767-1	c 38	N74-15130* #
NASA-CASE-LEW-13088-1	c 26	N81-25188* #	NASA-CASE-MFS-13994-2	c 06	N72-25148* #	NASA-CASE-MFS-20774	c 14	N73-19420* #
NASA-CASE-LEW-13101-2	c 23	N81-29160* #	NASA-CASE-MFS-14017	c 14	N71-26627* #	NASA-CASE-MFS-20775-1	c 31	N75-12161* #
NASA-CASE-LEW-13102-1	c 44	N81-29531* #	NASA-CASE-MFS-14023	c 33	N71-25351* #	NASA-CASE-MFS-20809	c 23	N73-13660* #
NASA-CASE-LEW-13103-1	c 27	N80-32516* #	NASA-CASE-MFS-14114-2	c 09	N71-24807* #	NASA-CASE-MFS-20823-1	c 16	N73-30476* #
NASA-CASE-LEW-13107-1	c 52	N83-21785* #	NASA-CASE-MFS-14114	c 33	N71-27862* #	NASA-CASE-MFS-20829	c 12	N72-21310* #
NASA-CASE-LEW-13107-2	c 52	N83-20539* #	NASA-CASE-MFS-14216	c 14	N73-13418* #	NASA-CASE-MFS-20833	c 15	N73-30028*
NASA-CASE-LEW-13120-1	c 27	N82-28440* #	NASA-CASE-MFS-14253	c 33	N71-24858* #	NASA-CASE-MFS-20831	c 28	N71-29153*
NASA-CASE-LEW-13131-1	c 44	N83-10494* #	NASA-CASE-MFS-14259	c 15	N71-19213* #	NASA-CASE-MFS-20855-1	c 15	N77-10112* #
NASA-CASE-LEW-13132-1	c 44	N81-27616* #	NASA-CASE-MFS-14322	c 08	N71-18692* #	NASA-CASE-MFS-20855	c 15	N73-27405* #
NASA-CASE-LEW-13135-2	c 27	N81-24257* #	NASA-CASE-MFS-14405	c 15	N72-28495* #	NASA-CASE-MFS-20861-1	c 18	N73-32437* #
NASA-CASE-LEW-13142-1	c 07	N83-14130* #	NASA-CASE-MFS-14610	c 09	N71-28886* #	NASA-CASE-MFS-20863	c 31	N73-26876* #
NASA-CASE-LEW-13148-1	c 33	N80-20487* #	NASA-CASE-MFS-14671	c 05	N71-12341* #	NASA-CASE-MFS-20890	c 14	N72-22439* #
NASA-CASE-LEW-13148-2	c 44	N81-29524* #	NASA-CASE-MFS-14685	c 31	N71-15689* #	NASA-CASE-MFS-20916	c 14	N73-25460* #
NASA-CASE-LEW-13150-1	c 44	N79-26474* #	NASA-CASE-MFS-14710	c 09	N72-22195* #	NASA-CASE-MFS-20922-1	c 18	N74-22136* #
NASA-CASE-LEW-13169-1	c 26	N82-29415* #	NASA-CASE-MFS-14711	c 15	N71-26185* #	NASA-CASE-MFS-20922	c 31	N72-20840* #
NASA-CASE-LEW-13171-1	c 44	N82-30371* #	NASA-CASE-MFS-14741	c 09	N70-20737* #	NASA-CASE-MFS-20932-1	c 35	N75-19616* #
NASA-CASE-LEW-13174-1	c 34	N81-12363* #	NASA-CASE-MFS-14971	c 15	N71-17692* #	NASA-CASE-MFS-20935	c 09	N71-34212* #
NASA-CASE-LEW-13199-1	c 07	N82-26293* #	NASA-CASE-MFS-15063	c 15	N71-24984* #	NASA-CASE-MFS-20944	c 15	N73-14366* #
NASA-CASE-LEW-13201-1	c 07	N81-14999* #	NASA-CASE-MFS-15162	c 14	N72-25412* #	NASA-CASE-MFS-20979-2	c 06	N73-32030* #
NASA-CASE-LEW-13226-1	c 27	N81-17260* #	NASA-CASE-MFS-15218-1	c 37	N71-19457* #	NASA-CASE-MFS-20994-1	c 35	N75-12271* #
NASA-CASE-LEW-13246-1	c 25	N81-26203* #	NASA-CASE-MFS-15670-1	c 33	N82-33634* #	NASA-CASE-MFS-21010-1	c 05	N73-30078* #
NASA-CASE-LEW-13268-1	c 27	N82-29453* #	NASA-CASE-MFS-15791-1	c 37	N82-33712* #	NASA-CASE-MFS-21040-1	c 06	N73-30098* #
NASA-CASE-LEW-13268-2	c 37	N82-26674* #	NASA-CASE-MFS-16570-1	c 05	N73-32013* #	NASA-CASE-MFS-21042	c 07	N72-25171* #
NASA-CASE-LEW-13269-1	c 18	N83-20996* #	NASA-CASE-MFS-16609-3	c 03	N76-32140* #	NASA-CASE-MFS-21045-1	c 35	N75-15932* #
NASA-CASE-LEW-13269-2	c 27	N83-17714* #	NASA-CASE-MFS-18100	c 15	N72-11390* #	NASA-CASE-MFS-21046-1	c 14	N73-27377* #
NASA-CASE-LEW-13282-1	c 33	N82-24415* #	NASA-CASE-MFS-18495	c 15	N72-11305* #	NASA-CASE-MFS-21049-1	c 52	N74-27864* #
NASA-CASE-LEW-13286-1	c 44	N81-27597* #	NASA-CASE-MFS-19193-1	c 37	N75-19686* #	NASA-CASE-MFS-21077-1	c 24	N75-28135* #
NASA-CASE-LEW-13324-1	c 26	N82-26431* #	NASA-CASE-MFS-19194-1	c 37	N76-14460* #	NASA-CASE-MFS-21087-1	c 35	N74-17153* #
NASA-CASE-LEW-13339-1	c 26	N82-31505* #	NASA-CASE-MFS-19220-1	c 20	N76-22296* #	NASA-CASE-MFS-21108-1	c 34	N74-27661* #
NASA-CASE-LEW-13343-1	c 27	N82-28441* #	NASA-CASE-MFS-19259-1	c 36	N78-14380* #	NASA-CASE-MFS-21109-1	c 05	N73-27941* #
NASA-CASE-LEW-13349-1	c 44	N82-22673* #	NASA-CASE-MFS-19287-1	c 34	N77-30399* #	NASA-CASE-MFS-21115-1	c 54	N74-12779* #
NASA-CASE-LEW-13359-1	c 27	N81-24265* #	NASA-CASE-MFS-20011	c 18	N72-22566* #	NASA-CASE-MFS-21136-1	c 35	N74-18323* #
NASA-CASE-LEW-13400-1	c 44	N82-31764* #	NASA-CASE-MFS-20044	c 14	N71-28993* #	NASA-CASE-MFS-21163-1	c 54	N74-17853* #
NASA-CASE-LEW-13401-1	c 44	N82-29709* #	NASA-CASE-MFS-20068	c 07	N71-27191* #	NASA-CASE-MFS-21214-1	c 09	N73-30181* #
NASA-CASE-LEW-13401-2	c 44	N82-24717* #	NASA-CASE-MFS-20074	c 16	N71-15565* #	NASA-CASE-MFS-21233-1	c 38	N74-15395* #
NASA-CASE-LEW-13414-1	c 44	N83-20374* #	NASA-CASE-MFS-20075	c 09	N71-26133* #	NASA-CASE-MFS-21244-1	c 36	N75-15026* #
NASA-CASE-LEW-13426-1	c 44	N82-31769* #	NASA-CASE-MFS-20095	c 24	N72-11595* #	NASA-CASE-MFS-21309-1	c 37	N74-18125* #
NASA-CASE-LEW-13429-1	c 33	N81-16384* #	NASA-CASE-MFS-20096	c 14	N71-30026* #	NASA-CASE-MFS-21311-1	c 20	N76-21275* #
NASA-CASE-LEW-13445-2	c 37	N83-17883* #	NASA-CASE-MFS-20125	c 16	N72-13437* #	NASA-CASE-MFS-21362	c 11	N73-20267* #
NASA-CASE-LEW-13450-1	c 34	N82-25463* #	NASA-CASE-MFS-20130	c 28				

NASA-CASE-MFS-21433	c 09	N73-20232*	#	NASA-CASE-MFS-23181-1	c 33	N77-17351*	#	NASA-CASE-MFS-25607-1	c 33	N82-26574*	#
NASA-CASE-MFS-21441-1	c 14	N73-30392*	#	NASA-CASE-MFS-23194-1	c 35	N78-17357*	#	NASA-CASE-MFS-25616-1	c 33	N82-24428*	#
NASA-CASE-MFS-21455-1	c 35	N74-15146*	#	NASA-CASE-MFS-23225-1	c 52	N77-14735*	#	NASA-CASE-MFS-25631-1	c 34	N82-10360*	#
NASA-CASE-MFS-21462-1	c 33	N74-14935*	#	NASA-CASE-MFS-23250-1	c 35	N82-11432*	#	NASA-CASE-MFS-25637-1	c 44	N82-26780*	#
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NASA-CASE-MFS-21481-1	c 37	N74-18127*	#	NASA-CASE-MFS-23274-1	c 33	N78-13320*	#	NASA-CASE-MFS-25707-1	c 35	N82-26631*	#
NASA-CASE-MFS-21485-1	c 37	N74-2568*	#	NASA-CASE-MFS-23280-1	c 33	N78-10376*	#	NASA-CASE-MFS-25717-1	c 43	N83-14607*	#
NASA-CASE-MFS-21488-1	c 14	N75-24794*	#	NASA-CASE-MFS-23281-1	c 35	N77-22450*	#	NASA-CASE-MFS-25752-1	c 74	N83-21950*	#
NASA-CASE-MFS-21540-1	c 32	N74-19790*	#	NASA-CASE-MFS-23284-1	c 37	N80-14397*	#	NASA-CASE-MFS-25754-1	c 31	N82-26503*	#
NASA-CASE-MFS-21556-1	c 35	N74-26945*	#	NASA-CASE-MFS-23289-1	c 39	N77-28511*	#	NASA-CASE-MFS-25786-1	c 76	N83-18533*	#
NASA-CASE-MFS-21577-1	c 19	N74-29410*	#	NASA-CASE-MFS-23303-1	c 32	N77-18307*	#	NASA-CASE-MFS-25807	c 37	N83-20154*	#
NASA-CASE-MFS-21606-1	c 37	N75-19685*	#	NASA-CASE-MFS-23311-1	c 54	N78-17676*	#	NASA-CASE-MFS-25833-1	c 35	N83-21316*	#
NASA-CASE-MFS-21611-1	c 54	N75-12616*	#	NASA-CASE-MFS-23312-1	c 33	N78-27326*	#	NASA-CASE-MFS-25837	c 16	N82-31398*	#
NASA-CASE-MFS-21616-1	c 33	N75-30429*	#	NASA-CASE-MFS-23315-1	c 76	N78-24950*	#	NASA-CASE-MFS-25843-1	c 20	N83-17588*	#
NASA-CASE-MFS-21628-1	c 44	N75-32581*	#	NASA-CASE-MFS-23345-1	c 27	N77-30237*	#	NASA-CASE-MFS-25852-1	c 33	N83-17803*	#
NASA-CASE-MFS-21628-2	c 44	N76-23675*	#	NASA-CASE-MFS-23349-1	c 44	N79-23481*	#	NASA-CASE-MFS-25853	c 16	N83-13149*	#
NASA-CASE-MFS-21629	c 14	N72-22442*	#	NASA-CASE-MFS-23362-1	c 47	N77-10753*	#	NASA-CASE-MFS-25854-1	c 33	N83-17804*	#
NASA-CASE-MFS-21660-1	c 35	N74-21017*	#	NASA-CASE-MFS-23363-1	c 35	N78-32396*	#	NASA-CASE-MFS-25862-1	c 27	N83-19903*	#
NASA-CASE-MFS-21671-1	c 33	N74-22885*	#	NASA-CASE-MFS-23405-1	c 26	N77-29260*	#	NASA-CASE-MFS-25878-1	c 18	N83-12136*	#
NASA-CASE-MFS-21672-1	c 74	N76-19935*	#	NASA-CASE-MFS-23447-1	c 37	N79-11404*	#				
NASA-CASE-MFS-21675-1	c 25	N74-33378*	#	NASA-CASE-MFS-23460-1	c 12	N79-26075*	#	NASA-CASE-MSC-10954-1	c 54	N78-18761*	#
NASA-CASE-MFS-21680-1	c 18	N74-27397*	#	NASA-CASE-MFS-23461-1	c 35	N79-10389*	#	NASA-CASE-MSC-10959	c 15	N71-26243*	#
NASA-CASE-MFS-21681-1	c 18	N74-27397*	#	NASA-CASE-MFS-23506-1	c 24	N78-24290*	#	NASA-CASE-MSC-10960-1	c 03	N71-24718*	#
NASA-CASE-MFS-21698-1	c 33	N74-26732*	#	NASA-CASE-MFS-23513-1	c 74	N79-11865*	#	NASA-CASE-MSC-10966	c 14	N71-19568*	#
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NASA-CASE-MFS-21728-1	c 35	N74-27665*	#	NASA-CASE-MFS-23518-1	c 44	N79-11469*	#	NASA-CASE-MSC-11072	c 54	N74-32546*	#
NASA-CASE-MFS-21761-1	c 35	N75-15931*	#	NASA-CASE-MFS-23518-3	c 44	N80-16452*	#	NASA-CASE-MSC-11235	c 33	N78-17294*	#
NASA-CASE-MFS-21846-1	c 37	N74-26976*	#	NASA-CASE-MFS-23540-1	c 44	N79-26475*	#	NASA-CASE-MSC-11242	c 35	N78-17358*	#
NASA-CASE-MFS-21919-1	c 10	N73-25243*	#	NASA-CASE-MFS-23541-1	c 76	N79-14906*	#	NASA-CASE-MSC-11253	c 05	N71-12343*	#
NASA-CASE-MFS-21931-1	c 37	N75-26372*	#	NASA-CASE-MFS-23551-1	c 04	N76-26175*	#	NASA-CASE-MSC-11277	c 09	N71-29008*	#
NASA-CASE-MFS-22002-1	c 44	N76-16612*	#	NASA-CASE-MFS-23564-1	c 15	N78-25119*	#	NASA-CASE-MSC-11561-1	c 05	N73-32014*	#
NASA-CASE-MFS-22022-1	c 37	N76-15460*	#	NASA-CASE-MFS-23579-1	c 18	N79-11108*	#	NASA-CASE-MSC-11817-1	c 15	N71-26611*	#
NASA-CASE-MFS-22039-1	c 09	N75-12968*	#	NASA-CASE-MFS-23620-1	c 37	N79-10421*	#	NASA-CASE-MSC-11847-1	c 14	N72-11363*	#
NASA-CASE-MFS-22040-1	c 35	N74-26946*	#	NASA-CASE-MFS-23626-1	c 24	N80-26388*	#	NASA-CASE-MSC-11849-1	c 15	N72-22488*	#
NASA-CASE-MFS-22060-1	c 35	N75-29380*	#	NASA-CASE-MFS-23642-1	c 20	N80-10278*	#	NASA-CASE-MSC-12033-1	c 09	N71-13531*	#
NASA-CASE-MFS-22073-1	c 33	N75-13139*	#	NASA-CASE-MFS-23642-2	c 20	N80-27176*	#	NASA-CASE-MSC-12049	c 31	N71-16080*	#
NASA-CASE-MFS-22088-1	c 33	N75-15874*	#	NASA-CASE-MFS-23646-1	c 37	N79-22474*	#	NASA-CASE-MSC-12052-1	c 15	N71-24599*	#
NASA-CASE-MFS-22102-1	c 54	N74-20725*	#	NASA-CASE-MFS-23659-1	c 33	N79-17133*	#	NASA-CASE-MSC-12084-1	c 12	N71-17569*	#
NASA-CASE-MFS-22129-1	c 33	N75-18477*	#	NASA-CASE-MFS-23674-1	c 24	N81-29163*	#	NASA-CASE-MSC-12086-1	c 05	N71-12345*	#
NASA-CASE-MFS-22133-1	c 33	N74-26977*	#	NASA-CASE-MFS-23675-1	c 89	N79-10969*	#	NASA-CASE-MSC-12101	c 09	N71-18720*	#
NASA-CASE-MFS-22145-1	c 75	N75-13625*	#	NASA-CASE-MFS-23696-1	c 54	N81-26718*	#	NASA-CASE-MSC-12105-1	c 14	N72-21409*	#
NASA-CASE-MFS-22145-2	c 75	N76-17951*	#	NASA-CASE-MFS-23717-1	c 52	N81-25660*	#	NASA-CASE-MSC-12109	c 18	N71-26285*	#
NASA-CASE-MFS-22189-1	c 35	N75-19615*	#	NASA-CASE-MFS-23720-1	c 43	N80-23711*	#	NASA-CASE-MSC-12111-1	c 02	N71-11039*	#
NASA-CASE-MFS-22208-1	c 33	N75-26244*	#	NASA-CASE-MFS-23720-2	c 43	N80-14423*	#	NASA-CASE-MSC-12116-1	c 15	N71-17648*	#
NASA-CASE-MFS-22234-1	c 32	N79-10264*	#	NASA-CASE-MFS-23720-3	c 43	N79-25443*	#	NASA-CASE-MSC-12121-1	c 15	N71-27147*	#
NASA-CASE-MFS-22283-1	c 37	N75-33395*	#	NASA-CASE-MFS-23721-1	c 31	N79-28370*	#	NASA-CASE-MSC-12135-1	c 09	N71-12526*	#
NASA-CASE-MFS-22287-1	c 75	N75-14931*	#	NASA-CASE-MFS-23725-1	c 43	N79-31706*	#	NASA-CASE-MSC-12139-1	c 28	N71-14058*	#
NASA-CASE-MFS-22233-1	c 37	N76-14463*	#	NASA-CASE-MFS-23726-1	c 43	N79-26439*	#	NASA-CASE-MSC-12143-1	c 33	N72-19747*	#
NASA-CASE-MFS-22324-1	c 27	N75-27160*	#	NASA-CASE-MFS-23727-1	c 44	N80-14473*	#	NASA-CASE-MSC-12146-1	c 07	N72-17109*	#
NASA-CASE-MFS-22342-1	c 33	N75-30428*	#	NASA-CASE-MFS-23775-1	c 44	N82-16474*	#	NASA-CASE-MSC-12165-1	c 07	N71-33696*	#
NASA-CASE-MFS-22343-1	c 33	N74-34638*	#	NASA-CASE-MFS-23776-1	c 33	N82-28545*	#	NASA-CASE-MSC-12168-1	c 09	N71-18600*	#
NASA-CASE-MFS-22355-1	c 23	N76-15268*	#	NASA-CASE-MFS-23777-1	c 37	N80-32716*	#	NASA-CASE-MSC-12178-1	c 09	N71-13518*	#
NASA-CASE-MFS-22356-1	c 23	N75-30256*	#	NASA-CASE-MFS-23816-1	c 26	N80-23419*	#	NASA-CASE-MSC-12205-1	c 07	N71-27056*	#
NASA-CASE-MFS-22409-2	c 74	N78-15880*	#	NASA-CASE-MFS-23825-1	c 51	N81-32829*	#	NASA-CASE-MSC-12206-1	c 05	N71-17599*	#
NASA-CASE-MFS-22411-1	c 37	N74-21058*	#	NASA-CASE-MFS-23828-1	c 33	N82-26569*	#	NASA-CASE-MSC-12209	c 09	N71-24842*	#
NASA-CASE-MFS-22458-1	c 44	N77-10635*	#	NASA-CASE-MFS-23830-1	c 44	N82-24639*	#	NASA-CASE-MSC-12223-1	c 07	N71-26181*	#
NASA-CASE-MFS-22517-1	c 35	N76-18402*	#	NASA-CASE-MFS-23845-1	c 33	N81-17348*	#	NASA-CASE-MSC-12233-1	c 15	N72-25454*	#
NASA-CASE-MFS-22537-1	c 35	N75-27328*	#	NASA-CASE-MFS-23846-1	c 37	N82-32731*	#	NASA-CASE-MSC-12233-2	c 32	N73-13921*	#
NASA-CASE-MFS-22560-1	c 33	N77-14335*	#	NASA-CASE-MFS-23862-1	c 48	N80-18667*	#	NASA-CASE-MSC-12239-1	c 52	N79-21750*	#
NASA-CASE-MFS-22562-1	c 44	N76-14595*	#	NASA-CASE-MFS-23883-1	c 51	N80-16715*	#	NASA-CASE-MSC-12243-1	c 05	N71-24728*	#
NASA-CASE-MFS-22597	c 36	N78-17366*	#	NASA-CASE-MFS-23923-1	c 35	N81-19426*	#	NASA-CASE-MSC-12259-1	c 07	N70-12616*	#
NASA-CASE-MFS-22631-1	c 66	N76-19888*	#	NASA-CASE-MFS-23981-1	c 07	N83-20944*	#	NASA-CASE-MSC-12223-1	c 07	N72-33146*	#
NASA-CASE-MFS-22636-1	c 37	N76-22540*	#	NASA-CASE-MFS-23988-1	c 33	N81-27395*	#	NASA-CASE-MSC-12279-1	c 15	N70-35679*	#
NASA-CASE-MFS-22649-1	c 37	N75-25186*	#	NASA-CASE-MFS-23999-1	c 44	N81-24520*	#	NASA-CASE-MSC-12279	c 15	N72-17450*	#
NASA-CASE-MFS-22671-1	c 35	N75-21582*	#	NASA-CASE-MFS-24368-3	c 33	N81-22280*	#	NASA-CASE-MSC-12280	c 27	N71-16348*	#
NASA-CASE-MFS-22671-2	c 35	N77-17426*	#	NASA-CASE-MFS-25000-1	c 25	N81-19242*	#	NASA-CASE-MSC-12293-1	c 14	N72-27411*	#
NASA-CASE-MFS-22707-1	c 37	N76-15457*	#	NASA-CASE-MFS-25050-1	c 71	N81-15767*	#	NASA-CASE-MSC-12297	c 14	N72-23457*	#
NASA-CASE-MFS-22729-1	c 32	N76-21366*	#	NASA-CASE-MFS-25134-1	c 31	N81-12283*	#	NASA-CASE-MSC-12324-1	c 05	N72-22093*	#
NASA-CASE-MFS-22734-1	c 18	N75-19329*	#	NASA-CASE-MFS-25139-1	c 34	N82-13376*	#	NASA-CASE-MSC-12327-1	c 35	N77-27368*	#
NASA-CASE-MFS-22743-1	c 44	N76-22657*	#	NASA-CASE-MFS-25181-1	c 27	N82-24340*	#	NASA-CASE-MSC-12327	c 15	N73-12499*	#
NASA-CASE-MFS-22744-1	c 44	N76-24696*	#	NASA-CASE-MFS-25208-1	c 33	N83-10345*	#	NASA-CASE-MSC-12363-1	c 14	N73-26431*	#
NASA-CASE-MFS-22749-1	c 44	N76-14601*	#	NASA-CASE-MFS-25209-1	c 33	N81-31480*	#	NASA-CASE-MSC-12372-1	c 31	N72-25842*	#
NASA-CASE-MFS-22758-1	c 70	N75-26789*	#	NASA-CASE-MFS-25211-1	c 33	N80-32651*	#	NASA-CASE-MSC-12389	c 33	N71-29052*	#
NASA-CASE-MFS-22787-1	c 15	N77-10113*	#	NASA-CASE-MFS-25215-1	c 33	N81-31481*	#	NASA-CASE-MSC-12390	c 27	N71-29155*	#
NASA-CASE-MFS-22905-1	c 19	N76-22284*	#	NASA-CASE-MFS-25242-1	c 35	N81-24413*	#	NASA-CASE-MSC-12391	c 30	N73-12884*	#
NASA-CASE-MFS-22906-1	c 75	N78-27913*	#	NASA-CASE-MFS-25282-1	c 34	N83-19015*	#	NASA-CASE-MSC-12393-1	c 02	N73-26006*	#
NASA-CASE-MFS-22907-1	c 26	N76-18257*	#	NASA-CASE-MFS-25287-1	c 44	N82-18666*	#	NASA-CASE-MSC-12394-1	c 08	N74-10942*	#
NASA-CASE-MFS-22926-1	c 24	N77-27187*	#	NASA-CASE-MFS-25305-1	c 35	N81-16427*	#	NASA-CASE-MSC-12395	c 09	N72-25257*	#
NASA-CASE-MFS-22938-1	c 34	N76-18374*	#	NASA-CASE-MFS-25306-1	c 25	N83-13187*	#	NASA-CASE-MSC-12396-1	c 03	N73-31988*	#
NASA-CASE-MFS-22991-1	c 34	N77-10463*	#	NASA-CASE-MFS-25312-1	c 74	N83-17305*	#	NASA-CASE-MSC-12397-1	c 05	N72-25119*	#
NASA-CASE-MFS-23001-1	c 76	N77-32919*	#	NASA-CASE-MFS-25315-1	c 36	N81-19440*	#	NASA-CASE-MSC-12398	c 05	N72-20	

NASA-CASE-MSC-12568-1	c 24	N76-14204* #	NASA-CASE-MSC-14903-1	c 27	N78-32256* #	NASA-CASE-MSC-20127-1	c 44	N82-32843* #
NASA-CASE-MSC-12593-1	c 17	N76-21250* #	NASA-CASE-MSC-14903-2	c 27	N80-10358* #	NASA-CASE-MSC-20181-1	c 33	N82-28549* #
NASA-CASE-MSC-12607-1	c 32	N75-21485* #	NASA-CASE-MSC-14903-3	c 27	N80-24438* #	NASA-CASE-MSC-20202-1	c 54	N83-18254* #
NASA-CASE-MSC-12609-1	c 05	N73-32012* #	NASA-CASE-MSC-14905-1	c 37	N77-28487* #	NASA-CASE-MSC-20254-1	c 24	N83-17601* #
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NASA-CASE-MSC-12618-1	c 74	N78-17865* #	NASA-CASE-MSC-15474-1	c 15	N71-26162* #	NASA-CASE-MSC-20304-1	c 37	N82-31690* #
NASA-CASE-MSC-12619-2	c 27	N79-12221* #	NASA-CASE-MSC-15567-1	c 33	N73-16918* #	NASA-CASE-MSC-20319-1	c 37	N82-31689* #
NASA-CASE-MSC-12631-1	c 24	N77-28225* #	NASA-CASE-MSC-15626-1	c 14	N72-25411* #	NASA-CASE-MSC-20418-1	c 37	N83-17882* #
NASA-CASE-MSC-12631-3	c 27	N81-14077* #	NASA-CASE-MSC-16000-1	c 37	N78-24544* #	NASA-CASE-MSC-90153-2	c 05	N72-25120* #
NASA-CASE-MSC-12640-1	c 74	N76-31998* #	NASA-CASE-MSC-16043-1	c 37	N79-11402* #			
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NASA-CASE-MSC-12709-1	c 33	N77-24375* #	NASA-CASE-MSC-16098-1	c 51	N79-10693* #	NASA-CASE-NPO-10003	c 10	N71-26415* #
NASA-CASE-MSC-12731-1	c 37	N78-25426* #	NASA-CASE-MSC-16170-2	c 32	N81-16338* #	NASA-CASE-NPO-10034	c 15	N71-17685* #
NASA-CASE-MSC-12737-1	c 24	N79-25142* #	NASA-CASE-MSC-16182-1	c 54	N80-10799* #	NASA-CASE-NPO-10037	c 09	N71-19610* #
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NASA-CASE-MSC-12745-1	c 33	N81-27397* #	NASA-CASE-MSC-16239-1	c 37	N81-32510* #	NASA-CASE-NPO-10051	c 18	N71-24934* #
NASA-CASE-MSC-13047-1	c 31	N71-25434* #	NASA-CASE-MSC-16253-1	c 32	N79-20297* #	NASA-CASE-NPO-10064	c 15	N71-17693* #
NASA-CASE-MSC-13054	c 54	N78-17677* #	NASA-CASE-MSC-16258-1	c 45	N79-12584* #	NASA-CASE-NPO-10066	c 09	N71-18598* #
NASA-CASE-MSC-13110-1	c 08	N72-22163* #	NASA-CASE-MSC-16260-1	c 51	N80-16714* #	NASA-CASE-NPO-10068	c 08	N71-19288* #
NASA-CASE-MSC-13112	c 03	N71-11057* #	NASA-CASE-MSC-16270-1	c 37	N78-27423* #	NASA-CASE-NPO-10070	c 15	N71-2372* #
NASA-CASE-MSC-13140	c 05	N72-11085* #	NASA-CASE-MSC-16366-1	c 24	N79-23142* #	NASA-CASE-NPO-10096	c 07	N71-24583* #
NASA-CASE-MSC-13201-1	c 07	N71-28429* #	NASA-CASE-MSC-16370-1	c 35	N81-19427* #	NASA-CASE-NPO-10109	c 03	N71-11049* #
NASA-CASE-MSC-13276-1	c 14	N71-27058* #	NASA-CASE-MSC-16394-1	c 28	N81-24280* #	NASA-CASE-NPO-10112	c 08	N71-12502* #
NASA-CASE-MSC-13281	c 31	N72-18859* #	NASA-CASE-MSC-16433-1	c 52	N78-27750* #	NASA-CASE-NPO-10117	c 15	N71-15608* #
NASA-CASE-MSC-13282-1	c 05	N71-24729* #	NASA-CASE-MSC-16433-1	c 52	N81-24711* #	NASA-CASE-NPO-10118	c 07	N71-24741* #
NASA-CASE-MSC-13332-1	c 14	N72-21408* #	NASA-CASE-MSC-16461-1	c 33	N79-11313* #	NASA-CASE-NPO-10122	c 12	N71-17631* #
NASA-CASE-MSC-13335-1	c 06	N72-31140* #	NASA-CASE-MSC-16462-1	c 32	N82-31583* #	NASA-CASE-NPO-10123	c 15	N71-24835* #
NASA-CASE-MSC-13397-1	c 21	N72-25595* #	NASA-CASE-MSC-16497-1	c 25	N82-12166* #	NASA-CASE-NPO-10138	c 33	N71-16357* #
NASA-CASE-MSC-13407-1	c 10	N72-20225* #	NASA-CASE-MSC-16697-1	c 33	N79-28415* #	NASA-CASE-NPO-10140	c 07	N71-24742* #
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NASA-CASE-MSC-13512-1	c 15	N72-22485* #	NASA-CASE-MSC-16800-1	c 32	N81-14187* #	NASA-CASE-NPO-10144	c 14	N71-17701* #
NASA-CASE-MSC-13530-2	c 23	N75-14834* #	NASA-CASE-MSC-16841-1	c 34	N79-24285* #	NASA-CASE-NPO-10150	c 08	N71-24650* #
NASA-CASE-MSC-13540-1	c 05	N72-33096* #	NASA-CASE-MSC-16938-1	c 37	N80-23653* #	NASA-CASE-NPO-10151	c 37	N78-17386* #
NASA-CASE-MSC-13587-1	c 15	N73-30459* #	NASA-CASE-MSC-16973-1	c 37	N81-14317* #	NASA-CASE-NPO-10158	c 33	N71-16356* #
NASA-CASE-MSC-13601-2	c 54	N75-27759* #	NASA-CASE-MSC-17832-1	c 33	N74-14956* #	NASA-CASE-NPO-10166-1	c 07	N73-22076* #
NASA-CASE-MSC-13604-1	c 05	N73-13114* #	NASA-CASE-MSC-18035-1	c 32	N81-15179* #	NASA-CASE-NPO-10166-2	c 35	N76-16391* #
NASA-CASE-MSC-13609-1	c 05	N72-25122* #	NASA-CASE-MSC-18106-1	c 33	N82-11357* #	NASA-CASE-NPO-10169	c 10	N71-24844* #
NASA-CASE-MSC-13648	c 05	N72-27103* #	NASA-CASE-MSC-18107-1	c 27	N81-25209* #	NASA-CASE-NPO-10173	c 15	N71-24696* #
NASA-CASE-MSC-13746-1	c 10	N73-32143* #	NASA-CASE-MSC-18134-1	c 37	N81-15363* #	NASA-CASE-NPO-10174	c 14	N71-18465* #
NASA-CASE-MSC-13789-1	c 11	N73-32152* #	NASA-CASE-MSC-18172-1	c 26	N80-19237* #	NASA-CASE-NPO-10175	c 14	N71-18625* #
NASA-CASE-MSC-13802-2	c 35	N76-15431* #	NASA-CASE-MSC-18179-1	c 20	N80-18097* #	NASA-CASE-NPO-10185	c 10	N71-26339* #
NASA-CASE-MSC-13855-1	c 35	N74-17885* #	NASA-CASE-MSC-18223-1	c 24	N82-29362* #	NASA-CASE-NPO-10188	c 03	N71-20273* #
NASA-CASE-MSC-13907-1	c 10	N73-26230* #	NASA-CASE-MSC-18223-2	c 52	N82-26960* #	NASA-CASE-NPO-10189-1	c 33	N77-21314* #
NASA-CASE-MSC-13912-1	c 32	N74-30524* #	NASA-CASE-MSC-18255-1	c 74	N80-33210* #	NASA-CASE-NPO-10194	c 03	N71-20407* #
NASA-CASE-MSC-13917-1	c 05	N72-15098* #	NASA-CASE-MSC-18334-1	c 32	N80-32604* #	NASA-CASE-NPO-10198	c 09	N71-24806* #
NASA-CASE-MSC-13932-1	c 62	N74-14920* #	NASA-CASE-MSC-18381-1	c 52	N82-28740* #	NASA-CASE-NPO-10199	c 09	N72-17156* #
NASA-CASE-MSC-13972-1	c 52	N74-10975* #	NASA-CASE-MSC-18382-1	c 27	N82-16238* #	NASA-CASE-NPO-10201	c 08	N71-18694* #
NASA-CASE-MSC-13999-1	c 52	N74-26266* #	NASA-CASE-MSC-18382-2	c 27	N82-24344* #	NASA-CASE-NPO-10214	c 10	N71-26577* #
NASA-CASE-MSC-14053-1	c 60	N74-12888* #	NASA-CASE-MSC-18407-1	c 33	N82-24427* #	NASA-CASE-NPO-10230	c 09	N71-12520* #
NASA-CASE-MSC-14065-1	c 32	N74-26654* #	NASA-CASE-MSC-18422-1	c 37	N82-16408* #	NASA-CASE-NPO-10231	c 07	N71-26101* #
NASA-CASE-MSC-14066-1	c 33	N74-27705* #	NASA-CASE-MSC-18430-1	c 37	N82-24491* #	NASA-CASE-NPO-10233-1	c 74	N78-33913* #
NASA-CASE-MSC-14070-1	c 32	N74-32598* #	NASA-CASE-MSC-18498-1	c 60	N82-29013* #	NASA-CASE-NPO-10234	c 06	N72-17094* #
NASA-CASE-MSC-14081-1	c 35	N74-27860* #	NASA-CASE-MSC-18526-1	c 37	N82-24494* #	NASA-CASE-NPO-10242	c 09	N71-24803* #
NASA-CASE-MSC-14082-1	c 60	N76-23850* #	NASA-CASE-MSC-18532-1	c 32	N82-27558* #	NASA-CASE-NPO-10244	c 15	N72-26371* #
NASA-CASE-MSC-14096-1	c 74	N74-15095* #	NASA-CASE-MSC-18538-1	c 37	N82-26672* #	NASA-CASE-NPO-10250	c 23	N71-16212* #
NASA-CASE-MSC-14129-1	c 33	N75-18479* #	NASA-CASE-MSC-18578-1	c 74	N82-27121* #	NASA-CASE-NPO-10251	c 10	N71-27365* #
NASA-CASE-MSC-14130-1	c 33	N74-32711* #	NASA-CASE-MSC-18606-1	c 32	N82-11336* #	NASA-CASE-NPO-10271	c 17	N71-16393* #
NASA-CASE-MSC-14131-1	c 33	N75-19515* #	NASA-CASE-MSC-18627-1	c 74	N82-30071* #	NASA-CASE-NPO-10298	c 12	N71-17661* #
NASA-CASE-MSC-14143-1	c 77	N75-20139* #	NASA-CASE-MSC-18674-1	c 74	N81-24907* #	NASA-CASE-NPO-10300	c 14	N71-17662* #
NASA-CASE-MSC-14180-1	c 52	N76-14757* #	NASA-CASE-MSC-18675-1	c 32	N81-29312* #	NASA-CASE-NPO-10301	c 07	N72-11148* #
NASA-CASE-MSC-14182-1	c 27	N76-14264* #	NASA-CASE-MSC-18723-1	c 35	N83-21312* #	NASA-CASE-NPO-10302	c 10	N71-26142* #
NASA-CASE-MSC-14187-1	c 35	N74-32879* #	NASA-CASE-MSC-18736-1	c 24	N83-13172* #	NASA-CASE-NPO-10303	c 07	N72-22127* #
NASA-CASE-MSC-14219-1	c 32	N74-27612* #	NASA-CASE-MSC-18737-1	c 24	N83-13171* #	NASA-CASE-NPO-10309	c 15	N69-23190* #
NASA-CASE-MSC-14240-1	c 33	N75-14957* #	NASA-CASE-MSC-18741-1	c 27	N82-29456* #	NASA-CASE-NPO-10311	c 31	N71-15643* #
NASA-CASE-MSC-14245-1	c 18	N75-27041* #	NASA-CASE-MSC-18742-1	c 37	N82-26673* #	NASA-CASE-NPO-10316-1	c 37	N77-22479* #
NASA-CASE-MSC-14270-1	c 27	N76-22377* #	NASA-CASE-MSC-18759-1	c 52	N81-24716* #	NASA-CASE-NPO-10320	c 14	N71-17655* #
NASA-CASE-MSC-14270-2	c 27	N76-23426* #	NASA-CASE-MSC-18761-1	c 52	N81-24717* #	NASA-CASE-NPO-10331	c 09	N71-26701* #
NASA-CASE-MSC-14273-1	c 34	N75-33342* #	NASA-CASE-MSC-18791-1	c 37	N81-24446* #	NASA-CASE-NPO-10337	c 14	N71-15604* #
NASA-CASE-MSC-14276-1	c 52	N77-14737* #	NASA-CASE-MSC-18794-1	c 44	N83-14693* #	NASA-CASE-NPO-10342	c 10	N71-33407* #
NASA-CASE-MSC-14331-1	c 27	N76-24405* #	NASA-CASE-MSC-18796-1	c 24	N82-26389* #	NASA-CASE-NPO-10343	c 07	N71-27341* #
NASA-CASE-MSC-14331-2	c 27	N78-17213* #	NASA-CASE-MSC-18807-1	c 37	N81-29442* #	NASA-CASE-NPO-10344	c 10	N71-26544* #
NASA-CASE-MSC-14331-3	c 27	N78-32262* #	NASA-CASE-MSC-18832-1	c 27	N83-18908* #	NASA-CASE-NPO-10348	c 10	N71-12554* #
NASA-CASE-MSC-14339-1	c 05	N75-24716* #	NASA-CASE-MSC-18851-1	c 27	N82-26460* #	NASA-CASE-NPO-10351	c 08	N71-12503* #
NASA-CASE-MSC-14428-1	c 23	N77-17161* #	NASA-CASE-MSC-18852-1	c 37	N82-28640* #	NASA-CASE-NPO-10373	c 03	N71-18698* #
NASA-CASE-MSC-14435-1	c 37	N76-18455* #	NASA-CASE-MSC-18866-1	c 35	N82-26634* #	NASA-CASE-NPO-10388	c 07	N71-24262* #
NASA-CASE-MSC-14472-1	c 43	N77-10584* #	NASA-CASE-MSC-18929-1	c 39	N83-20280* #	NASA-CASE-NPO-10401	c 03	N72-20033* #
NASA-CASE-MSC-14557-1	c 32	N76-16249* #	NASA-CASE-MSC-18934-1	c 24	N82-26387* #	NASA-CASE-NPO-10404	c 03	N72-12255* #
NASA-CASE-MSC-14558-1	c 32	N75-21486* #	NASA-CASE-MSC-18936-1	c 25	N82-22329* #	NASA-CASE-NPO-10412	c 09	N71-28421* #
NASA-CASE-MSC-14623-1	c 52	N77-28717* #	NASA-CASE-MSC-18969-1	c 15	N82-28318* #	NASA-CASE-NPO-10416	c 12	N71-27332* #
NASA-CASE-MSC-14632-1	c 54	N78-14784* #	NASA-CASE-MSC-19095-1	c 37	N75-19683* #	NASA-CASE-NPO-10417	c 16	N71-33410* #
NASA-CASE-MSC-14640-1	c 54	N76-14804* #	NASA-CASE-MSC-19372-1	c 39	N76-31562* #	NASA-CASE-NPO-10424-1	c 27	N81-24258* #
NASA-CASE-MSC-14649-1	c 33	N76-16331* #	NASA-CASE-MSC-19442-1	c 74	N77-10899* #	NASA-CASE-NPO-10431	c 15	N71-29132* #
NASA-CASE-MSC-14653-1	c 35	N77-19385* #	NASA-CASE-MSC-19514-1	c 37	N79-20377* #	NASA-CASE-NPO-10440	c 15	N72-21466* #
NASA-CASE-MSC-14683-1	c 74	N77-18893* #	NASA-CASE-MSC-19535-1	c 37	N77-32499* #	NASA-CASE-NPO-10447	c 06	N70-11252* #
NASA-CASE-MSC-14733-1	c 54	N76-24900* #	NASA-CASE-MSC-19536-1	c 37	N77-22482* #	NASA-CASE-NPO-10467	c 23	N71-26654* #
NASA-CASE-MSC-14735-1	c 54	N76-24900* #	NASA-CASE-MSC-19568-1	c 34	N78-2535			

NASA-CASE-NPO-10575	c 03	N72-25019* #	NASA-CASE-NPO-11104	c 08	N72-22165* #	NASA-CASE-NPO-11806-1	c 44	N74-19693* #
NASA-CASE-NPO-10591	c 03	N72-22041* #	NASA-CASE-NPO-11106	c 14	N70-34697* #	NASA-CASE-NPO-11820-1	c 32	N74-1978* #
NASA-CASE-NPO-10595	c 10	N71-25917*	NASA-CASE-NPO-11118	c 03	N72-25021* #	NASA-CASE-NPO-11821-1	c 08	N73-26175* #
NASA-CASE-NPO-10596	c 06	N71-25929*	NASA-CASE-NPO-11120-1	c 34	N74-18552* #	NASA-CASE-NPO-11850-1	c 32	N74-12912* #
NASA-CASE-NPO-10606	c 15	N72-25451* #	NASA-CASE-NPO-11129	c 09	N72-33204* #	NASA-CASE-NPO-11856-1	c 36	N74-15145* #
NASA-CASE-NPO-10607	c 09	N71-27232*	NASA-CASE-NPO-11130	c 08	N72-20176* #	NASA-CASE-NPO-11861-1	c 36	N74-20093* #
NASA-CASE-NPO-10617-1	c 35	N74-22095* #	NASA-CASE-NPO-11133	c 10	N72-20223* #	NASA-CASE-NPO-11868	c 10	N73-20254* #
NASA-CASE-NPO-10619-1	c 35	N77-21393* #	NASA-CASE-NPO-11134	c 09	N72-21246* #	NASA-CASE-NPO-11880	c 28	N73-24783* #
NASA-CASE-NPO-10625	c 09	N71-26182*	NASA-CASE-NPO-11138	c 03	N70-34646* #	NASA-CASE-NPO-11905-1	c 33	N74-12887* #
NASA-CASE-NPO-10629	c 08	N72-18184* #	NASA-CASE-NPO-11140	c 15	N72-17455* #	NASA-CASE-NPO-11919-1	c 35	N74-11284* #
NASA-CASE-NPO-10633	c 03	N72-28025* #	NASA-CASE-NPO-11147	c 14	N72-27408* #	NASA-CASE-NPO-11921-1	c 32	N74-30523* #
NASA-CASE-NPO-10634	c 23	N72-25619* #	NASA-CASE-NPO-11150	c 35	N78-17359* #	NASA-CASE-NPO-11932-1	c 35	N74-23040* #
NASA-CASE-NPO-10636	c 08	N72-25210* #	NASA-CASE-NPO-11156-2	c 33	N75-31331* #	NASA-CASE-NPO-11941-1	c 10	N73-27171* #
NASA-CASE-NPO-10637	c 15	N72-12409*	NASA-CASE-NPO-11161	c 08	N72-25207* #	NASA-CASE-NPO-11942-1	c 33	N73-32818* #
NASA-CASE-NPO-10646	c 15	N71-28467*	NASA-CASE-NPO-11177	c 15	N72-17453* #	NASA-CASE-NPO-11945-1	c 36	N76-18427* #
NASA-CASE-NPO-10649	c 07	N71-24840*	NASA-CASE-NPO-11190	c 03	N71-34044* #	NASA-CASE-NPO-11948-1	c 33	N74-32712* #
NASA-CASE-NPO-10671	c 15	N72-20443* #	NASA-CASE-NPO-11191-1	c 33	N77-22386* #	NASA-CASE-NPO-11951-1	c 37	N74-21065* #
NASA-CASE-NPO-10677	c 05	N72-11084*	NASA-CASE-NPO-11194	c 08	N72-25209* #	NASA-CASE-NPO-11954-1	c 35	N78-29421* #
NASA-CASE-NPO-10679	c 15	N72-21462* #	NASA-CASE-NPO-11201	c 14	N72-27409* #	NASA-CASE-NPO-11961-1	c 44	N76-18543* #
NASA-CASE-NPO-10680	c 31	N73-14855* #	NASA-CASE-NPO-11202	c 15	N72-25450* #	NASA-CASE-NPO-11962-1	c 33	N74-10194* #
NASA-CASE-NPO-10682	c 15	N70-34689*	NASA-CASE-NPO-11203	c 10	N72-20224* #	NASA-CASE-NPO-11966-1	c 33	N74-17928* #
NASA-CASE-NPO-10691	c 14	N71-26199*	NASA-CASE-NPO-11210	c 11	N72-20244* #	NASA-CASE-NPO-11975-1	c 28	N74-33209* #
NASA-CASE-NPO-10694	c 09	N72-20200* #	NASA-CASE-NPO-11213	c 15	N73-20514* #	NASA-CASE-NPO-11978	c 31	N78-17238* #
NASA-CASE-NPO-10700	c 07	N71-33613*	NASA-CASE-NPO-11222	c 15	N72-25456* #	NASA-CASE-NPO-12000	c 27	N72-25699* #
NASA-CASE-NPO-10701	c 06	N71-28620*	NASA-CASE-NPO-11239	c 14	N73-12446* #	NASA-CASE-NPO-12015	c 27	N73-16764* #
NASA-CASE-NPO-10704	c 15	N72-20445* #	NASA-CASE-NPO-11243	c 07	N72-20154* #	NASA-CASE-NPO-12061-1	c 27	N76-16228* #
NASA-CASE-NPO-10711-1	c 35	N77-21392* #	NASA-CASE-NPO-11253	c 09	N72-17157* #	NASA-CASE-NPO-12070-1	c 28	N73-32606* #
NASA-CASE-NPO-10714	c 06	N69-31244* #	NASA-CASE-NPO-11264	c 07	N72-25174* #	NASA-CASE-NPO-12072	c 28	N72-22772* #
NASA-CASE-NPO-10716	c 09	N71-24892*	NASA-CASE-NPO-11282	c 10	N73-16205* #	NASA-CASE-NPO-12087-1	c 74	N81-19898* #
NASA-CASE-NPO-10721	c 15	N72-27484* #	NASA-CASE-NPO-11283	c 09	N72-25260* #	NASA-CASE-NPO-12106	c 09	N73-15235* #
NASA-CASE-NPO-10722	c 09	N72-20199* #	NASA-CASE-NPO-11291-1	c 14	N73-30386* #	NASA-CASE-NPO-12107	c 08	N71-27255* #
NASA-CASE-NPO-10737	c 28	N72-11709*	NASA-CASE-NPO-11302-1	c 07	N73-13149* #	NASA-CASE-NPO-12109	c 11	N72-22245* #
NASA-CASE-NPO-10743	c 08	N72-21199* #	NASA-CASE-NPO-11302-2	c 32	N74-10132* #	NASA-CASE-NPO-12119-1	c 52	N75-15270* #
NASA-CASE-NPO-10745	c 08	N72-22164* #	NASA-CASE-NPO-11304	c 14	N73-26430* #	NASA-CASE-NPO-12122-1	c 24	N76-14203* #
NASA-CASE-NPO-10747	c 03	N72-22042* #	NASA-CASE-NPO-11307-1	c 10	N73-30205* #	NASA-CASE-NPO-12127-1	c 91	N74-13130* #
NASA-CASE-NPO-10748	c 08	N72-20177* #	NASA-CASE-NPO-11311	c 14	N72-25414* #	NASA-CASE-NPO-12128-1	c 14	N73-32317* #
NASA-CASE-NPO-10753	c 03	N72-26031* #	NASA-CASE-NPO-11317-2	c 36	N74-13205* #	NASA-CASE-NPO-12130-1	c 25	N75-14844* #
NASA-CASE-NPO-10755	c 15	N71-27084*	NASA-CASE-NPO-11322	c 06	N72-25146* #	NASA-CASE-NPO-12131-3	c 37	N80-18400* #
NASA-CASE-NPO-10758	c 14	N73-14427* #	NASA-CASE-NPO-11330	c 33	N73-26958* #	NASA-CASE-NPO-12134-1	c 33	N76-31409* #
NASA-CASE-NPO-10760	c 09	N72-25254*	NASA-CASE-NPO-11333	c 08	N72-22162* #	NASA-CASE-NPO-12142-1	c 38	N76-28563* #
NASA-CASE-NPO-10764-1	c 14	N73-14428* #	NASA-CASE-NPO-11336-1	c 76	N79-16678* #	NASA-CASE-NPO-12148-1	c 44	N78-27515* #
NASA-CASE-NPO-10764-2	c 35	N75-25122* #	NASA-CASE-NPO-11337-1	c 74	N81-19896* #	NASA-CASE-NPO-13044-1	c 35	N74-15094* #
NASA-CASE-NPO-10765	c 06	N72-20212* #	NASA-CASE-NPO-11338	c 08	N72-25208* #	NASA-CASE-NPO-13050-1	c 36	N75-15029* #
NASA-CASE-NPO-10767-1	c 06	N73-33076* #	NASA-CASE-NPO-11340	c 15	N72-33477* #	NASA-CASE-NPO-13058-1	c 37	N77-22480* #
NASA-CASE-NPO-10767-2	c 06	N72-27151* #	NASA-CASE-NPO-11342	c 09	N72-25248* #	NASA-CASE-NPO-13059-1	c 37	N76-20480* #
NASA-CASE-NPO-10768-2	c 05	N72-27144* #	NASA-CASE-NPO-11358	c 07	N72-25172* #	NASA-CASE-NPO-13063-1	c 25	N76-18245* #
NASA-CASE-NPO-10768	c 06	N71-27254*	NASA-CASE-NPO-11361	c 07	N72-32169* #	NASA-CASE-NPO-13064-1	c 33	N79-11314* #
NASA-CASE-NPO-10769	c 08	N72-11171*	NASA-CASE-NPO-11366	c 11	N73-26238* #	NASA-CASE-NPO-13065-1	c 52	N74-26625* #
NASA-CASE-NPO-10774	c 06	N72-17095* #	NASA-CASE-NPO-11369	c 15	N73-13467* #	NASA-CASE-NPO-13067-1	c 60	N76-18800* #
NASA-CASE-NPO-10778	c 14	N72-1364*	NASA-CASE-NPO-11371	c 08	N73-12177* #	NASA-CASE-NPO-13081-1	c 33	N74-22814* #
NASA-CASE-NPO-10781-1	c 33	N77-21314* #	NASA-CASE-NPO-11373	c 13	N72-25232* #	NASA-CASE-NPO-13086-1	c 15	N73-12495* #
NASA-CASE-NPO-10790-1	c 33	N77-21316* #	NASA-CASE-NPO-11377	c 15	N73-27406* #	NASA-CASE-NPO-13087-2	c 44	N76-31666* #
NASA-CASE-NPO-10796	c 15	N71-27068*	NASA-CASE-NPO-11387	c 14	N73-14429* #	NASA-CASE-NPO-13091-1	c 09	N73-12214* #
NASA-CASE-NPO-10808	c 15	N71-27432*	NASA-CASE-NPO-11388	c 03	N72-23048* #	NASA-CASE-NPO-13096-1	c 37	N77-22480* #
NASA-CASE-NPO-10810	c 14	N71-27323*	NASA-CASE-NPO-11403-1	c 33	N77-22386* #	NASA-CASE-NPO-13103-1	c 32	N74-20811* #
NASA-CASE-NPO-10812	c 15	N73-13464* #	NASA-CASE-NPO-11406	c 08	N73-12175* #	NASA-CASE-NPO-13105-1	c 37	N74-21060* #
NASA-CASE-NPO-10817-1	c 08	N73-30135* #	NASA-CASE-NPO-11417	c 15	N73-24513* #	NASA-CASE-NPO-13112-1	c 73	N74-26767* #
NASA-CASE-NPO-10821	c 03	N71-19545*	NASA-CASE-NPO-11418-1	c 14	N73-13420* #	NASA-CASE-NPO-13114-2	c 73	N78-28913* #
NASA-CASE-NPO-10828	c 33	N72-17948* #	NASA-CASE-NPO-11426	c 07	N73-26119* #	NASA-CASE-NPO-13120-1	c 27	N76-15311* #
NASA-CASE-NPO-10830-1	c 27	N81-15104* #	NASA-CASE-NPO-11429-1	c 74	N77-21941* #	NASA-CASE-NPO-13121-1	c 73	N77-18891* #
NASA-CASE-NPO-10831	c 33	N72-20915* #	NASA-CASE-NPO-11432-2	c 35	N74-15090* #	NASA-CASE-NPO-13125-1	c 33	N75-19519* #
NASA-CASE-NPO-10832	c 14	N72-21405* #	NASA-CASE-NPO-11437	c 16	N72-28521* #	NASA-CASE-NPO-13127-1	c 35	N74-23040* #
NASA-CASE-NPO-10844	c 07	N72-20140* #	NASA-CASE-NPO-11456	c 08	N73-26176* #	NASA-CASE-NPO-13131-1	c 36	N75-19652* #
NASA-CASE-NPO-10851	c 07	N71-24613*	NASA-CASE-NPO-11458A	c 20	N78-32179* #	NASA-CASE-NPO-13137-1	c 27	N80-32514* #
NASA-CASE-NPO-10857-1	c 33	N80-14330* #	NASA-CASE-NPO-11458	c 28	N72-23810* #	NASA-CASE-NPO-13138-1	c 33	N74-17927* #
NASA-CASE-NPO-10862	c 06	N72-22107* #	NASA-CASE-NPO-11479	c 15	N73-13462* #	NASA-CASE-NPO-13139-1	c 60	N76-21914* #
NASA-CASE-NPO-10863-2	c 06	N72-25152* #	NASA-CASE-NPO-11481	c 21	N73-13644* #	NASA-CASE-NPO-13140-1	c 32	N75-24982* #
NASA-CASE-NPO-10863	c 06	N70-11251* #	NASA-CASE-NPO-11493	c 14	N73-12447* #	NASA-CASE-NPO-13147-1	c 36	N77-25502* #
NASA-CASE-NPO-10866-1	c 28	N79-14228*	NASA-CASE-NPO-11497	c 08	N73-25206* #	NASA-CASE-NPO-13157-1	c 37	N74-32918* #
NASA-CASE-NPO-10870-1	c 33	N77-22386* #	NASA-CASE-NPO-11510-1	c 33	N77-21315* #	NASA-CASE-NPO-13159-1	c 33	N74-17928* #
NASA-CASE-NPO-10872-1	c 35	N79-16246*	NASA-CASE-NPO-11515-1	c 33	N77-21315* #	NASA-CASE-NPO-13160-1	c 35	N74-18090* #
NASA-CASE-NPO-10883	c 31	N72-22874*	NASA-CASE-NPO-11548	c 07	N73-26118* #	NASA-CASE-NPO-13170-1	c 35	N76-14430* #
NASA-CASE-NPO-10890	c 11	N73-12265*	NASA-CASE-NPO-11556	c 12	N72-25292* #	NASA-CASE-NPO-13171-1	c 32	N74-21000* #
NASA-CASE-NPO-10893	c 27	N73-22710*	NASA-CASE-NPO-11559	c 28	N73-24784* #	NASA-CASE-NPO-13175-1	c 36	N75-31427* #
NASA-CASE-NPO-10895	c 14	N73-20478*	NASA-CASE-NPO-11569	c 10	N73-26229* #	NASA-CASE-NPO-13201-1	c 37	N75-15050* #
NASA-CASE-NPO-10998-1	c 06	N73-32029*	NASA-CASE-NPO-11572	c 07	N73-16121* #	NASA-CASE-NPO-13205-1	c 31	N74-32917* #
NASA-CASE-NPO-10999-1	c 06	N73-32029*	NASA-CASE-NPO-11575-1	c 74	N81-19896* #	NASA-CASE-NPO-13214-1	c 35	N75-25123* #
NASA-CASE-NPO-11001	c 07	N72-21118*	NASA-CASE-NPO-11593-1	c 07	N73-28012* #	NASA-CASE-NPO-13215-1	c 35	N75-25123* #
NASA-CASE-NPO-11002	c 14	N72-22441*	NASA-CASE-NPO-11609-2	c 27	N77-31308* #	NASA-CASE-NPO-13217-1	c 32	N75-26194* #
NASA-CASE-NPO-11012	c 15	N72-11391*	NASA-CASE-NPO-11623-1	c 71	N74-31448* #	NASA-CASE-NPO-13231-1	c 45	N75-27585* #
NASA-CASE-NPO-11013	c 11	N72-22247*	NASA-CASE-NPO-11628-1	c 07	N73-30113* #	NASA-CASE-NPO-13237-1	c 44	N76-18641* #
NASA-CASE-NPO-11016	c 08	N72-31226*	NASA-CASE-NPO-11630	c 08	N72-33172* #	NASA-CASE-NPO-13247-1	c 76	N79-16678* #
NASA-CASE-NPO-11018	c 08	N72-21200*	NASA-CASE-NPO-11631	c 10	N73-12244* #	NASA-CASE-NPO-13253-1	c 37	N75-18573* #
NASA-CASE-NPO-11021	c 03	N72-20032*	NASA-CASE-NPO-11659-1	c 35	N74-11283* #	NASA-CASE-NPO-13263-1	c 12	N75-24774* #
NASA-CASE-NPO-11023	c 09	N72-17155*	NASA-CASE-NPO-11661	c 07	N73-14130* #	NASA-CASE-NPO-13274-1	c 25	N79-10163* #
NASA-CASE-NPO-11031	c 07	N71-33606*	NASA-CASE-NPO-11682-1	c 35	N74-15127* #	NASA-CASE-NPO-13281-1	c 37	N75-13266* #
NASA-CASE-NPO-11036	c 15	N72-24522*	NASA-CASE-NPO-11686	c 14	N73-25462* #	NASA-CASE-NPO-13282	c 38	N78-17396* #
NASA-CASE-NPO-11059	c 15	N72-17454*	NASA-CASE-NPO-11703-1	c 10	N73-32144* #	NASA-CASE-NPO-13283	c 38	N78-17395* #
NASA-CASE-NPO-11064	c 07	N72-11150*	NASA-CASE-NPO-11707	c 07	N73-25161* #	NASA-CASE-NPO-13292-1	c 32	N75-15854* #
NASA-CASE-NPO-11078	c 09	N72-25262*	NASA-CASE-NPO-11736-1	c 09	N73-30185* #	NASA-CASE-NPO-13303-1	c 20	N75-24837* #
NASA-CASE-NPO-11082	c 08	N72-22167*	NASA-CASE-NPO-11743-1	c 28	N74-27425* #	NASA-CASE-NPO-13		

NASA-CASE-NPO-13342-2	c 44	N76-29700*	NASA-CASE-NPO-13772-1	c 35	N78-10429*	NASA-CASE-NPO-14219-1	c 74	N81-17886*
NASA-CASE-NPO-13345-1	c 37	N75-19684*	NASA-CASE-NPO-13786-1	c 44	N80-29835*	NASA-CASE-NPO-14220-1	c 37	N81-14318*
NASA-CASE-NPO-13346-1	c 36	N76-29575*	NASA-CASE-NPO-13792-1	c 35	N77-32455*	NASA-CASE-NPO-14221-1	c 37	N81-25370*
NASA-CASE-NPO-13348-1	c 33	N75-31332*	NASA-CASE-NPO-13801-1	c 36	N78-18410*	NASA-CASE-NPO-14224-1	c 33	N80-18287*
NASA-CASE-NPO-13360-1	c 37	N75-25185*	NASA-CASE-NPO-13802-1	c 71	N78-10837*	NASA-CASE-NPO-14229-1	c 33	N80-18285*
NASA-CASE-NPO-13374-1	c 33	N75-19524*	NASA-CASE-NPO-13804-1	c 33	N80-23559*	NASA-CASE-NPO-14231-1	c 46	N80-10709*
NASA-CASE-NPO-13385-1	c 33	N76-18345*	NASA-CASE-NPO-13808-1	c 35	N78-15461*	NASA-CASE-NPO-14237-1	c 44	N80-20808*
NASA-CASE-NPO-13386-1	c 54	N75-27758*	NASA-CASE-NPO-13810-1	c 44	N77-32582*	NASA-CASE-NPO-14253-1	c 32	N80-32605*
NASA-CASE-NPO-13388-1	c 35	N76-16390*	NASA-CASE-NPO-13812-1	c 33	N77-30365*	NASA-CASE-NPO-14254-1	c 36	N80-18372*
NASA-CASE-NPO-13391-1	c 34	N76-27515*	NASA-CASE-NPO-13813-1	c 44	N78-31526*	NASA-CASE-NPO-14255-1	c 46	N79-23555*
NASA-CASE-NPO-13396-1	c 35	N76-18401*	NASA-CASE-NPO-13817-1	c 44	N79-11471*	NASA-CASE-NPO-14258-1	c 35	N81-33448*
NASA-CASE-NPO-13402-1	c 37	N76-18457*	NASA-CASE-NPO-13821-1	c 44	N78-28594*	NASA-CASE-NPO-14260-1	c 28	N79-28342*
NASA-CASE-NPO-13422-1	c 60	N76-14818*	NASA-CASE-NPO-13823-1	c 37	N81-25371*	NASA-CASE-NPO-14272-1	c 25	N81-33246*
NASA-CASE-NPO-13423-1	c 33	N75-31329*	NASA-CASE-NPO-13828-1	c 37	N79-11405*	NASA-CASE-NPO-14273-1	c 25	N82-11144*
NASA-CASE-NPO-13426-1	c 33	N75-31330*	NASA-CASE-NPO-13830-1	c 32	N80-14281*	NASA-CASE-NPO-14295-1	c 76	N80-32245*
NASA-CASE-NPO-13428-1	c 60	N77-12721*	NASA-CASE-NPO-13836-1	c 32	N78-15323*	NASA-CASE-NPO-14297-1	c 33	N81-19389*
NASA-CASE-NPO-13435-1	c 31	N76-14284*	NASA-CASE-NPO-13839-1	c 31	N78-25256*	NASA-CASE-NPO-14298-1	c 76	N80-32244*
NASA-CASE-NPO-13436-1	c 37	N76-20480*	NASA-CASE-NPO-13847-2	c 85	N79-17747*	NASA-CASE-NPO-14303-1	c 44	N80-18550*
NASA-CASE-NPO-13443-1	c 76	N76-20994*	NASA-CASE-NPO-13848-2	c 85	N79-17747*	NASA-CASE-NPO-14305-1	c 44	N80-18550*
NASA-CASE-NPO-13447-1	c 60	N77-12721*	NASA-CASE-NPO-13849-1	c 28	N80-10374*	NASA-CASE-NPO-14311-1	c 33	N82-29539*
NASA-CASE-NPO-13449-1	c 36	N75-32441*	NASA-CASE-NPO-13858-1	c 28	N79-11231*	NASA-CASE-NPO-14315-1	c 27	N81-17261*
NASA-CASE-NPO-13451-1	c 33	N76-14373*	NASA-CASE-NPO-13859-1	c 28	N79-11231*	NASA-CASE-NPO-14316-1	c 33	N81-33404*
NASA-CASE-NPO-13459-1	c 31	N77-10229*	NASA-CASE-NPO-13862-1	c 35	N79-10391*	NASA-CASE-NPO-14324-1	c 72	N80-27163*
NASA-CASE-NPO-13462-1	c 35	N76-24524*	NASA-CASE-NPO-13867-1	c 27	N78-14164*	NASA-CASE-NPO-14328-1	c 32	N80-18253*
NASA-CASE-NPO-13464-1	c 44	N76-18642*	NASA-CASE-NPO-13872-1	c 33	N79-10377*	NASA-CASE-NPO-14329-1	c 52	N81-20703*
NASA-CASE-NPO-13464-2	c 44	N76-29704*	NASA-CASE-NPO-13877-1	c 45	N82-11634*	NASA-CASE-NPO-14340-1	c 45	N80-14579*
NASA-CASE-NPO-13465-1	c 32	N76-31372*	NASA-CASE-NPO-13886-1	c 32	N78-24391*	NASA-CASE-NPO-14350-1	c 33	N80-14332*
NASA-CASE-NPO-13474-1	c 45	N76-21742*	NASA-CASE-NPO-13899-1	c 32	N78-30251*	NASA-CASE-NPO-14361-1	c 32	N82-23376*
NASA-CASE-NPO-13479-1	c 35	N77-10492*	NASA-CASE-NPO-13904-1	c 25	N79-11152*	NASA-CASE-NPO-14362-1	c 32	N80-16261*
NASA-CASE-NPO-13482-1	c 44	N78-13526*	NASA-CASE-NPO-13906-1	c 54	N79-24652*	NASA-CASE-NPO-14363-	c 39	N81-25400*
NASA-CASE-NPO-13490-1	c 36	N76-31512*	NASA-CASE-NPO-13907-1	c 28	N80-10374*	NASA-CASE-NPO-14369-1	c 44	N83-10501*
NASA-CASE-NPO-13497-1	c 44	N76-14602*	NASA-CASE-NPO-13909-1	c 33	N79-25319*	NASA-CASE-NPO-14372-1	c 35	N80-26635*
NASA-CASE-NPO-13504-1	c 33	N75-30430*	NASA-CASE-NPO-13910-1	c 52	N79-27836*	NASA-CASE-NPO-14381-1	c 31	N78-24387*
NASA-CASE-NPO-13506-1	c 35	N76-15435*	NASA-CASE-NPO-13913-1	c 52	N79-12694*	NASA-CASE-NPO-14382-1	c 31	N80-18231*
NASA-CASE-NPO-13510-1	c 44	N77-32581*	NASA-CASE-NPO-13914-1	c 44	N78-31526*	NASA-CASE-NPO-14382-1	c 43	N81-26509*
NASA-CASE-NPO-13512-1	c 33	N77-10428*	NASA-CASE-NPO-13918-1	c 76	N79-11920*	NASA-CASE-NPO-14384-1	c 37	N80-10494*
NASA-CASE-NPO-13519-1	c 33	N76-19338*	NASA-CASE-NPO-13921-1	c 44	N79-14526*	NASA-CASE-NPO-14388-1	c 37	N81-17432*
NASA-CASE-NPO-13528-1	c 09	N77-10071*	NASA-CASE-NPO-13930-1	c 52	N79-14749*	NASA-CASE-NPO-14395-1	c 37	N82-21587*
NASA-CASE-NPO-13530-1	c 25	N81-17187*	NASA-CASE-NPO-13935-1	c 52	N79-14751*	NASA-CASE-NPO-14402-1	c 52	N81-27783*
NASA-CASE-NPO-13531-1	c 36	N76-24553*	NASA-CASE-NPO-13937-1	c 44	N78-31527*	NASA-CASE-NPO-14406-1	c 37	N80-29703*
NASA-CASE-NPO-13535-1	c 37	N76-31524*	NASA-CASE-NPO-13941-1	c 32	N79-10262*	NASA-CASE-NPO-14410-1	c 33	N79-25314*
NASA-CASE-NPO-13540-1	c 35	N77-14409*	NASA-CASE-NPO-13944-1	c 52	N79-14751*	NASA-CASE-NPO-14410-2	c 33	N82-25440*
NASA-CASE-NPO-13541-1	c 37	N79-14383*	NASA-CASE-NPO-13945-1	c 36	N78-27402*	NASA-CASE-NPO-14416-1	c 44	N81-14389*
NASA-CASE-NPO-13543-1	c 32	N77-12240*	NASA-CASE-NPO-13948-1	c 35	N78-25391*	NASA-CASE-NPO-14424-1	c 33	N80-32650*
NASA-CASE-NPO-13544-1	c 36	N76-18428*	NASA-CASE-NPO-13953-1	c 35	N79-28527*	NASA-CASE-NPO-14426-1	c 33	N79-17134*
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NASA-CASE-NPO-13550-1	c 36	N77-26477*	NASA-CASE-NPO-13969-1	c 76	N79-23798*	NASA-CASE-NPO-14430-1	c 33	N80-32650*
NASA-CASE-NPO-13553-1	c 33	N76-32457*	NASA-CASE-NPO-13970-1	c 33	N81-20352*	NASA-CASE-NPO-14435-1	c 33	N81-33405*
NASA-CASE-NPO-13560-1	c 44	N77-10636*	NASA-CASE-NPO-13982-1	c 32	N79-14267*	NASA-CASE-NPO-14444-1	c 33	N81-15192*
NASA-CASE-NPO-13561-1	c 44	N77-10636*	NASA-CASE-NPO-13993-1	c 72	N79-13826*	NASA-CASE-NPO-14448-1	c 74	N81-29963*
NASA-CASE-NPO-13566-1	c 25	N77-32255*	NASA-CASE-NPO-13999-1	c 35	N78-18395*	NASA-CASE-NPO-14467-1	c 44	N79-31753*
NASA-CASE-NPO-13567-1	c 44	N76-29701*	NASA-CASE-NPO-14000-1	c 33	N79-24254*	NASA-CASE-NPO-14473-1	c 37	N80-23654*
NASA-CASE-NPO-13568-1	c 32	N76-21365*	NASA-CASE-NPO-14001-1	c 27	N81-14076*	NASA-CASE-NPO-14474-1	c 26	N80-14229*
NASA-CASE-NPO-13569-2	c 35	N79-14348*	NASA-CASE-NPO-14005-1	c 71	N79-20827*	NASA-CASE-NPO-14477-1	c 28	N80-28536*
NASA-CASE-NPO-13579-1	c 44	N78-17460*	NASA-CASE-NPO-14009-1	c 32	N79-13214*	NASA-CASE-NPO-14480-1	c 32	N80-20448*
NASA-CASE-NPO-13579-2	c 44	N79-24433*	NASA-CASE-NPO-14014-1	c 37	N79-10420*	NASA-CASE-NPO-14501-1	c 35	N80-18357*
NASA-CASE-NPO-13579-3	c 44	N79-24432*	NASA-CASE-NPO-14019-1	c 32	N79-14268*	NASA-CASE-NPO-14502-1	c 74	N81-17888*
NASA-CASE-NPO-13579-4	c 44	N79-14529*	NASA-CASE-NPO-14021-1	c 27	N80-16163*	NASA-CASE-NPO-14505-1	c 33	N81-19393*
NASA-CASE-NPO-13581-2	c 44	N78-31525*	NASA-CASE-NPO-14022-1	c 32	N78-31321*	NASA-CASE-NPO-14513-1	c 35	N81-14287*
NASA-CASE-NPO-13587-1	c 32	N77-32342*	NASA-CASE-NPO-14035-1	c 32	N83-19968*	NASA-CASE-NPO-14519-1	c 32	N80-23524*
NASA-CASE-NPO-13604-1	c 35	N76-31490*	NASA-CASE-NPO-14054-1	c 71	N79-20827*	NASA-CASE-NPO-14521-1	c 54	N79-20746*
NASA-CASE-NPO-13606-2	c 35	N80-18364*	NASA-CASE-NPO-14056-1	c 33	N79-24257*	NASA-CASE-NPO-14521-1	c 37	N81-27519*
NASA-CASE-NPO-13613-1	c 37	N76-29590*	NASA-CASE-NPO-14058-1	c 44	N79-18443*	NASA-CASE-NPO-14524-1	c 32	N80-24510*
NASA-CASE-NPO-13619-1	c 37	N78-16369*	NASA-CASE-NPO-14066-1	c 74	N79-34011*	NASA-CASE-NPO-14525-1	c 32	N79-19195*
NASA-CASE-NPO-13620-1	c 27	N77-30236*	NASA-CASE-NPO-14078-1	c 72	N80-14877*	NASA-CASE-NPO-14525-2	c 32	N80-32607*
NASA-CASE-NPO-13641-1	c 32	N79-24210*	NASA-CASE-NPO-14079-1	c 25	N80-20334*	NASA-CASE-NPO-14527-1	c 32	N80-24510*
NASA-CASE-NPO-13643-1	c 52	N76-29896*	NASA-CASE-NPO-14092-1	c 52	N80-16725*	NASA-CASE-NPO-14536-1	c 32	N81-14185*
NASA-CASE-NPO-13644-1	c 52	N76-29895*	NASA-CASE-NPO-14093-1	c 35	N80-20563*	NASA-CASE-NPO-14542-1	c 25	N82-23282*
NASA-CASE-NPO-13650-1	c 25	N79-28253*	NASA-CASE-NPO-14096-1	c 44	N80-18551*	NASA-CASE-NPO-14544-1	c 46	N82-12685*
NASA-CASE-NPO-13652-1	c 44	N79-17314*	NASA-CASE-NPO-14100-1	c 44	N79-12541*	NASA-CASE-NPO-14549-2	c 52	N82-33996*
NASA-CASE-NPO-13652-2	c 44	N79-24431*	NASA-CASE-NPO-14101-1	c 52	N80-14687*	NASA-CASE-NPO-14554-1	c 60	N81-27814*
NASA-CASE-NPO-13653-2	c 44	N80-14474*	NASA-CASE-NPO-14103-1	c 28	N78-31255*	NASA-CASE-NPO-14556-1	c 33	N82-24418*
NASA-CASE-NPO-13663-1	c 35	N77-14406*	NASA-CASE-NPO-14109-1	c 28	N80-23471*	NASA-CASE-NPO-14558-1	c 46	N80-24906*
NASA-CASE-NPO-13666-1	c 27	N77-13217*	NASA-CASE-NPO-14110-1	c 28	N81-15119*	NASA-CASE-NPO-14565-2	c 25	N83-19826*
NASA-CASE-NPO-13671-1	c 37	N77-31497*	NASA-CASE-NPO-14112-1	c 46	N79-22679*	NASA-CASE-NPO-14567-1	c 33	N83-18996*
NASA-CASE-NPO-13673-1	c 71	N77-26919*	NASA-CASE-NPO-14124-1	c 46	N80-14603*	NASA-CASE-NPO-14579-1	c 32	N80-18253*
NASA-CASE-NPO-13675-1	c 44	N77-32580*	NASA-CASE-NPO-14126-1	c 44	N79-11470*	NASA-CASE-NPO-14588-1	c 32	N81-25278*
NASA-CASE-NPO-13676-1	c 60	N79-20751*	NASA-CASE-NPO-14130-1	c 34	N79-20335*	NASA-CASE-NPO-14590-1	c 32	N80-18253*
NASA-CASE-NPO-13683-1	c 35	N77-14411*	NASA-CASE-NPO-14134-1	c 71	N79-23753*	NASA-CASE-NPO-14596-1	c 31	N81-33319*
NASA-CASE-NPO-13687-1	c 35	N78-18391*	NASA-CASE-NPO-14140-1	c 31	N78-24387*	NASA-CASE-NPO-14598-2	c 31	N82-25401*
NASA-CASE-NPO-13689-2	c 44	N81-29525*	NASA-CASE-NPO-14140-1	c 43	N81-26509*	NASA-CASE-NPO-14598-3	c 27	N82-26461*
NASA-CASE-NPO-13689-4	c 44	N82-28780*	NASA-CASE-NPO-14143-1	c 25	N81-14015*	NASA-CASE-NPO-14597-1	c 37	N79-23431*
NASA-CASE-NPO-13690-1	c 27	N78-19302*	NASA-CASE-NPO-14152-1	c 32	N80-18252*	NASA-CASE-NPO-14603-1	c 27	N82-26461*
NASA-CASE-NPO-13690-2	c 27	N79-14213*	NASA-CASE-NPO-14162-1	c 60	N81-15706*	NASA-CASE-NPO-14603-4	c 31	N82-25401*
NASA-CASE-NPO-13691-1	c 43	N79-17288*	NASA-CASE-NPO-14163-1	c 33	N81-14220*	NASA-CASE-NPO-14617-1	c 33	N81-24338*
NASA-CASE-NPO-13707-1	c 74	N77-28933*	NASA-CASE-NPO-14167-1	c 60	N81-15706*	NASA-CASE-NPO-14619-1	c 44	N81-17518*
NASA-CASE-NPO-13722-1	c 74	N77-22951*	NASA-CASE-NPO-14169-1	c 60	N81-15706*	NASA-CASE-NPO-14632-1	c 32	N82-18443*
NASA-CASE-NPO-13731-1	c 39	N78-10493*	NASA-CASE-NPO-14170-1	c 37	N81-15364*	NASA-CASE-NPO-14635-1	c 44	N80-24741*
NASA-CASE-NPO-13732-1	c 44	N79-10513*	NASA-CASE-NPO-14173-1	c 04	N80-32359*	NASA-CASE-NPO-14640-1	c 32	N80-32605*
NASA-CASE-NPO-13734-1	c 44	N78-10554*	NASA-CASE-NPO-14174-1	c 74	N79-20856*	NASA-CASE-NPO-14641-1	c 32	N81-29308*
NASA-CASE-NPO-13736-1	c 44	N77-32583*	NASA-CASE-NPO-14191-1	c 31	N80-32584*	NASA-CASE-NPO-14657-1	c 74	N81-17887*
NASA-CASE-NPO-13753-1	c 32	N77-20289*	NASA-CASE-NPO-14192-1	c 39	N80			

NASA-CASE-NPO-14839-1	c 35	N82-15381* #	NASA-CASE-NPO-15722-1	c 35	N83-20084* #	NASA-CASE-XAC-11225	c 14	N69-27486* #
NASA-CASE-NPO-14845-1	c 27	N82-28442* #	NASA-CASE-NPO-15743-1	c 32	N83-19969* #	NASA-CASE-XAR-01547	c 05	N69-21473* #
NASA-CASE-NPO-14857-1	c 27	N83-19900* #	NASA-CASE-NPO-15753-1	c 33	N82-23396* #	NASA-CASE-XAR-03786	c 09	N69-21313* #
NASA-CASE-NPO-14876-2	c 28	N82-25394* #	NASA-CASE-NPO-15759-1	c 35	N82-26630* #			
NASA-CASE-NPO-14902-1	c 25	N82-29371* #	NASA-CASE-NPO-15767-1	c 28	N82-12241* #			
NASA-CASE-NPO-14936-1	c 47	N80-26992* #	NASA-CASE-NPO-15772-1	c 76	N82-23031* #	NASA-CASE-XER-07894	c 09	N71-18721* #
NASA-CASE-NPO-14940-1	c 35	N80-21723* #	NASA-CASE-NPO-15786-1	c 25	N82-26397* #	NASA-CASE-XER-07895	c 26	N72-25679* #
NASA-CASE-NPO-14984-1	c 36	N81-15350* #	NASA-CASE-NPO-15789-1	c 31	N83-19847* #	NASA-CASE-XER-07896-2	c 23	N72-22673* #
NASA-CASE-NPO-14998-1	c 33	N81-15194* #	NASA-CASE-NPO-15800-1	c 76	N83-15149* #	NASA-CASE-XER-08476-1	c 26	N72-17820* #
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NASA-CASE-NPO-15015-1	c 25	N82-28368* #	NASA-CASE-NPO-15808-1	c 44	N82-29714* #	NASA-CASE-XER-09519	c 14	N71-18483* #
NASA-CASE-NPO-15021-1	c 36	N83-10417* #	NASA-CASE-NPO-15844-1	c 74	N83-12992* #	NASA-CASE-XER-09521	c 09	N72-12136* #
NASA-CASE-NPO-15024-1	c 32	N82-10286* #	NASA-CASE-NPO-15851-1	c 73	N83-12986* #	NASA-CASE-XER-11019	c 09	N71-23598* #
NASA-CASE-NPO-15036-1	c 74	N82-19029* #	NASA-CASE-NPO-15865-1	c 74	N83-12991* #	NASA-CASE-XER-11046-2	c 33	N74-22864* #
NASA-CASE-NPO-15037-1	c 37	N80-26660* #	NASA-CASE-NPO-15899-1	c 32	N83-19970* #	NASA-CASE-XER-11046	c 09	N72-22203* #
NASA-CASE-NPO-15057-1	c 24	N81-19230* #	NASA-CASE-NPO-15904-1	c 76	N83-21993* #	NASA-CASE-XER-11203	c 14	N71-28994* #
NASA-CASE-NPO-15066-1	c 33	N82-29538* #	NASA-CASE-NPO-15920-1	c 32	N83-33593* #			
NASA-CASE-NPO-15070-1	c 31	N82-33567* #	NASA-CASE-NPO-15935-1	c 33	N83-12334* #	NASA-CASE-XFR-00181	c 21	N70-33279* #
NASA-CASE-NPO-15071-1	c 44	N82-16475* #	NASA-CASE-NPO-15939-1	c 43	N83-20324* #	NASA-CASE-XFR-00756	c 02	N71-13421* #
NASA-CASE-NPO-15094-1	c 33	N81-16386* #	NASA-CASE-NPO-15943-1	c 36	N83-20092* #	NASA-CASE-XFR-00811	c 15	N70-36901* #
NASA-CASE-NPO-15100-1	c 28	N81-33306* #	NASA-CASE-NPO-15949-1	c 37	N83-20155* #	NASA-CASE-XFR-00929	c 31	N70-34966* #
NASA-CASE-NPO-15102-1	c 25	N81-25159* #	NASA-CASE-NPO-15980-1	c 36	N82-28618* #	NASA-CASE-XFR-02007	c 12	N71-24692* #
NASA-CASE-NPO-15111-1	c 36	N82-29589* #	NASA-CASE-NPO-16038-1	c 37	N83-20157* #	NASA-CASE-XFR-03107	c 09	N71-19449* #
NASA-CASE-NPO-15115-1	c 37	N82-24493* #		c 25	N82-25335* #	NASA-CASE-XFR-03802	c 33	N71-23085* #
NASA-CASE-NPO-15155-1	c 74	N81-22884* #	NASA-CASE-NSTL-10-1	c 33	N74-17930* #	NASA-CASE-XFR-04104	c 03	N70-42073* #
NASA-CASE-NPO-15161-1	c 33	N82-26575* #		c 33	N74-17930* #	NASA-CASE-XFR-04147	c 11	N71-10748* #
NASA-CASE-NPO-15179-1	c 44	N82-26777* #	NASA-CASE-NUC-10107-1	c 33	N74-17930* #	NASA-CASE-XFR-05302	c 15	N71-23254* #
NASA-CASE-NPO-15183-1	c 44	N82-26776* #		c 37	N83-20157* #	NASA-CASE-XFR-05421	c 15	N71-22994* #
NASA-CASE-NPO-15197-1	c 52	N81-26697* #	NASA-CASE-WLP-10002	c 15	N72-17451* #	NASA-CASE-XFR-05637	c 09	N71-19480* #
NASA-CASE-NPO-15201-1	c 36	N81-24426* #	NASA-CASE-WLP-10055-1	c 35	N82-26632* #	NASA-CASE-XFR-07172	c 05	N71-27234* #
NASA-CASE-NPO-15205-1	c 37	N81-19457* #		c 35	N82-26632* #	NASA-CASE-XFR-07658-1	c 05	N71-26293* #
NASA-CASE-NPO-15210-1	c 28	N82-26481* #	NASA-CASE-WOO-00428-1	c 32	N79-19186* #	NASA-CASE-XFR-08403	c 05	N71-11202* #
NASA-CASE-NPO-15211-1	c 36	N81-24425* #	NASA-CASE-WOO-00625	c 37	N78-17385* #	NASA-CASE-XFR-09479	c 14	N69-27503* #
NASA-CASE-NPO-15213-1	c 51	N83-17045* #		c 37	N78-17385* #	NASA-CASE-XFR-10856	c 05	N71-11189* #
NASA-CASE-NPO-15220-1	c 35	N81-24414* #	NASA-CASE-XAC-00001	c 15	N71-28952* #			
NASA-CASE-NPO-15227-1	c 37	N81-33482* #	NASA-CASE-XAC-00030	c 14	N70-34820* #	NASA-CASE-XGS-00131	c 09	N70-38995* #
NASA-CASE-NPO-15251-1	c 31	N81-19344* #	NASA-CASE-XAC-00042	c 14	N70-34816* #	NASA-CASE-XGS-00174	c 08	N70-34743* #
NASA-CASE-NPO-15254-1	c 31	N81-19344* #	NASA-CASE-XAC-00048	c 02	N71-29128* #	NASA-CASE-XGS-00260	c 31	N70-37924* #
NASA-CASE-NPO-15264-1	c 04	N81-22036* #	NASA-CASE-XAC-00060	c 09	N70-39915* #	NASA-CASE-XGS-00359	c 14	N70-34158* #
NASA-CASE-NPO-15269-1	c 44	N82-29710* #	NASA-CASE-XAC-00073	c 14	N70-34813* #	NASA-CASE-XGS-00373	c 23	N71-15978* #
NASA-CASE-NPO-15292-1	c 45	N83-16089* #	NASA-CASE-XAC-00074	c 15	N70-34817* #	NASA-CASE-XGS-00381	c 09	N70-34819* #
NASA-CASE-NPO-15295-1	c 60	N82-11785* #	NASA-CASE-XAC-00086	c 09	N70-33182* #	NASA-CASE-XGS-00458	c 09	N70-38604* #
NASA-CASE-NPO-15304-1	c 28	N82-12240* #	NASA-CASE-XAC-00139	c 02	N70-34856* #	NASA-CASE-XGS-00466	c 21	N70-34297* #
NASA-CASE-NPO-15308-1	c 45	N83-18089* #	NASA-CASE-XAC-00319	c 25	N70-41628* #	NASA-CASE-XGS-00473	c 03	N70-38713* #
NASA-CASE-NPO-15334-1	c 37	N82-22497* #	NASA-CASE-XAC-00399	c 11	N70-34815* #	NASA-CASE-XGS-00587	c 15	N70-35087* #
NASA-CASE-NPO-15341-1	c 33	N82-12346* #	NASA-CASE-XAC-00404	c 08	N70-40125* #	NASA-CASE-XGS-00619	c 30	N70-40016* #
NASA-CASE-NPO-15342-1	c 60	N83-18290* #	NASA-CASE-XAC-00405	c 05	N70-41819* #	NASA-CASE-XGS-00689	c 08	N70-34787* #
NASA-CASE-NPO-15345-1	c 33	N81-27403* #	NASA-CASE-XAC-00435	c 09	N70-35440* #	NASA-CASE-XGS-00740	c 07	N71-23098* #
NASA-CASE-NPO-15351-1	c 06	N83-10040* #	NASA-CASE-XAC-00472	c 15	N70-40180* #	NASA-CASE-XGS-00769	c 14	N70-41647* #
NASA-CASE-NPO-15352-1	c 06	N83-17536* #	NASA-CASE-XAC-00648	c 14	N70-40400* #	NASA-CASE-XGS-00783	c 30	N71-17788* #
NASA-CASE-NPO-15358-1	c 33	N83-17805* #	NASA-CASE-XAC-00731	c 11	N71-15960* #	NASA-CASE-XGS-00809	c 21	N70-35427* #
NASA-CASE-NPO-15375-1	c 74	N83-18485* #	NASA-CASE-XAC-00812	c 14	N71-15598* #	NASA-CASE-XGS-00823	c 10	N71-15910* #
NASA-CASE-NPO-15388-1	c 44	N82-10496* #	NASA-CASE-XAC-00942	c 10	N71-16042* #	NASA-CASE-XGS-00824	c 15	N71-16078* #
NASA-CASE-NPO-15398-1	c 35	N81-33449* #	NASA-CASE-XAC-01101	c 14	N70-41957* #	NASA-CASE-XGS-00829-1	c 44	N79-19447* #
NASA-CASE-NPO-15399-1	c 75	N82-24079* #	NASA-CASE-XAC-01158	c 15	N71-23051* #	NASA-CASE-XGS-00886	c 03	N71-11053* #
NASA-CASE-NPO-15400-1	c 34	N81-24384* #	NASA-CASE-XAC-01404	c 05	N70-41581* #	NASA-CASE-XGS-00938	c 32	N70-41367* #
NASA-CASE-NPO-15401-1	c 33	N81-29344* #	NASA-CASE-XAC-01591	c 31	N71-17229* #	NASA-CASE-XGS-00963	c 15	N69-39735* #
NASA-CASE-NPO-15406-1	c 33	N82-12345* #	NASA-CASE-XAC-01662	c 14	N71-23037* #	NASA-CASE-XGS-01013	c 14	N71-23725* #
NASA-CASE-NPO-15419-1	c 44	N81-27599* #	NASA-CASE-XAC-01677	c 09	N71-20816* #	NASA-CASE-XGS-01021	c 08	N71-21042* #
NASA-CASE-NPO-15423-1	c 91	N82-25042* #	NASA-CASE-XAC-02058	c 02	N71-16087* #	NASA-CASE-XGS-01022	c 07	N71-16088* #
NASA-CASE-NPO-15426-1	c 45	N83-20447* #	NASA-CASE-XAC-02405	c 09	N71-16089* #	NASA-CASE-XGS-01023	c 14	N71-22992* #
NASA-CASE-NPO-15430-1	c 46	N82-26890* #	NASA-CASE-XAC-02407	c 14	N69-27423* #	NASA-CASE-XGS-01036	c 14	N70-40003* #
NASA-CASE-NPO-15431-1	c 25	N81-29178* #	NASA-CASE-XAC-02807	c 09	N71-23021* #	NASA-CASE-XGS-01052	c 14	N71-15992* #
NASA-CASE-NPO-15433-1	c 62	N83-20634* #	NASA-CASE-XAC-02877	c 14	N70-41681* #	NASA-CASE-XGS-01110	c 07	N69-24334* #
NASA-CASE-NPO-15435-1	c 71	N81-27887* #	NASA-CASE-XAC-02970	c 14	N69-39896* #	NASA-CASE-XGS-01118	c 10	N71-23662* #
NASA-CASE-NPO-15437-1	c 46	N82-26890* #	NASA-CASE-XAC-02981	c 14	N71-21072* #	NASA-CASE-XGS-01143	c 31	N71-15647* #
NASA-CASE-NPO-15453-1	c 71	N82-12889* #	NASA-CASE-XAC-03107	c 23	N71-16098* #	NASA-CASE-XGS-01155	c 10	N71-21483* #
NASA-CASE-NPO-15454-1	c 73	N82-12916* #	NASA-CASE-XAC-03392	c 03	N70-41954* #	NASA-CASE-XGS-01159	c 21	N71-10678* #
NASA-CASE-NPO-15465-1	c 18	N82-10106* #	NASA-CASE-XAC-03740	c 14	N72-26135* #	NASA-CASE-XGS-01222	c 10	N71-20841* #
NASA-CASE-NPO-15466-1	c 71	N82-27087* #	NASA-CASE-XAC-03777	c 10	N71-15909* #	NASA-CASE-XGS-01223	c 07	N71-10609* #
NASA-CASE-NPO-15483-1	c 37	N82-28642* #	NASA-CASE-XAC-04030	c 10	N71-19472* #	NASA-CASE-XGS-01230	c 08	N71-19544* #
NASA-CASE-NPO-15494-1	c 35	N82-25484* #	NASA-CASE-XAC-04031	c 08	N71-18594* #	NASA-CASE-XGS-01231	c 14	N70-41676* #
NASA-CASE-NPO-15496-1	c 44	N82-28784* #	NASA-CASE-XAC-04458	c 14	N71-24232* #	NASA-CASE-XGS-01245-1	c 35	N79-33449* #
NASA-CASE-NPO-15516-1	c 36	N82-26652* #	NASA-CASE-XAC-04885	c 14	N71-23790* #	NASA-CASE-XGS-01286-1	c 37	N79-33469* #
NASA-CASE-NPO-15519-1	c 32	N82-12298* #	NASA-CASE-XAC-04886-1	c 14	N71-20439* #	NASA-CASE-XGS-01293-1	c 35	N79-33450* #
NASA-CASE-NPO-15522-1	c 71	N82-11861* #	NASA-CASE-XAC-05333	c 11	N71-22875* #	NASA-CASE-XGS-01331	c 14	N71-22996* #
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NASA-CASE-NPO-15558-1	c 35	N82-26636* #	NASA-CASE-XAC-05632	c 32	N71-23971* #	NASA-CASE-XGS-01451	c 09	N71-10677* #
NASA-CASE-NPO-15559-1	c 71	N82-29112* #	NASA-CASE-XAC-05695	c 25	N71-16073* #	NASA-CASE-XGS-01473	c 09	N71-10673* #
NASA-CASE-NPO-15562-1	c 71	N82-27086* #	NASA-CASE-XAC-05706	c 05	N71-12342* #	NASA-CASE-XGS-01475	c 03	N71-11058* #
NASA-CASE-NPO-15592-1	c 31	N83-17746* #	NASA-CASE-XAC-05902	c 11	N71-18578* #	NASA-CASE-XGS-01504	c 16	N70-41578* #
NASA-CASE-NPO-15617-1	c 35	N82-33681* #	NASA-CASE-XAC-06029-1	c 31	N71-24813* #	NASA-CASE-XGS-01513	c 03	N71-23336* #
NASA-CASE-NPO-15622-1	c 91	N82-25042* #	NASA-CASE-XAC-06302	c 08	N71-19763* #	NASA-CASE-XGS-01537	c 07	N71-23405* #
NASA-CASE-NPO-15625-1	c 76	N83-20789* #	NASA-CASE-XAC-06956	c 15	N71-21177* #	NASA-CASE-XGS-01587	c 14	N71-15962* #
NASA-CASE-NPO-15629-1	c 44	N82-26779* #	NASA-CASE-XAC-07043	c 05	N71-23161* #	NASA-CASE-XGS-01590	c 07	N71-12392* #
NASA-CASE-NPO-15640-1	c 27	N83-19904* #	NASA-CASE-XAC-08494	c 30	N71-15990* #	NASA-CASE-XGS-01593	c 03	N70-35408* #
NASA-CASE-NPO-15644-1	c 72	N82-24953* #	NASA-CASE-XAC-08972	c 02	N71-20570* #	NASA-CASE-XGS-01654	c 31	N71-24750* #
NASA-CASE-NPO-15651-1	c 32	N82-26523* #	NASA-CASE-XAC-08981	c 09	N69-39897* #	NASA-CASE-XGS-01674	c 03	N71-29129* #
NASA-CASE-NPO-15658-1	c 26	N83-19890* #	NASA-CASE-XAC-09489-1	c 15	N71-26673* #	NASA-CASE-XGS-01725	c 14	N69-39982* #
NASA-CASE-NPO-15662-1	c 44	N						

NASA-CASE-XGS-02011	c 15	N71-20739*	NASA-CASE-XGS-07801	c 09	N71-12513* #	NASA-CASE-XLA-00492	c 14	N70-34799* #
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NASA-CASE-XGS-02435	c 18	N71-22998*	NASA-CASE-XGS-08729	c 28	N71-14044* #	NASA-CASE-XLA-00686	c 31	N70-34135* #
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NASA-CASE-XGS-02439	c 14	N71-19431*	NASA-CASE-XGS-09190	c 31	N71-16102*	NASA-CASE-XLA-00754	c 15	N70-34850* #
NASA-CASE-XGS-02440	c 08	N71-19432*	NASA-CASE-XGS-10010	c 03	N72-15986* #	NASA-CASE-XLA-00755	c 01	N71-13410* #
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NASA-CASE-XGS-02554	c 31	N71-21064*	NASA-CASE-XGS-11177	c 09	N71-27001*	NASA-CASE-XLA-00791	c 03	N70-39930* #
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NASA-CASE-XGS-02610	c 14	N71-23174*	NASA-CASE-XHQ-01897	c 28	N70-35381* #	NASA-CASE-XLA-00806	c 02	N70-34858* #
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NASA-CASE-XGS-02629	c 14	N71-21082*	NASA-CASE-XHQ-03873	c 33	N71-29046*	NASA-CASE-XLA-00892	c 33	N71-17897*
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NASA-CASE-XGS-02812	c 09	N71-19466*	NASA-CASE-XKS-02342	c 05	N71-11199* #	NASA-CASE-XLA-00937	c 31	N71-17691*
NASA-CASE-XGS-02816	c 07	N69-24232* #	NASA-CASE-XKS-02582	c 15	N71-21234*	NASA-CASE-XLA-00939	c 11	N71-15926*
NASA-CASE-XGS-02884	c 15	N71-22705*	NASA-CASE-XKS-03338	c 15	N71-24043*	NASA-CASE-XLA-00941	c 14	N71-23240*
NASA-CASE-XGS-02889	c 07	N71-11282* #	NASA-CASE-XKS-03381	c 09	N71-22796*	NASA-CASE-XLA-01019	c 15	N70-40156* #
NASA-CASE-XGS-03058	c 10	N71-19547*	NASA-CASE-XKS-03495	c 14	N69-39785* #	NASA-CASE-XLA-01027	c 31	N71-24035*
NASA-CASE-XGS-03095	c 09	N69-27463* #	NASA-CASE-XKS-03509	c 14	N71-23175*	NASA-CASE-XLA-01043	c 28	N71-10780* #
NASA-CASE-XGS-03120	c 15	N71-24047*	NASA-CASE-XKS-04614	c 15	N69-21460* #	NASA-CASE-XLA-01090	c 07	N71-12389* #
NASA-CASE-XGS-03230	c 14	N71-23401*	NASA-CASE-XKS-04631	c 10	N71-23663*	NASA-CASE-XLA-01090	c 16	N71-28963*
NASA-CASE-XGS-03303	c 08	N71-18595*	NASA-CASE-XKS-05932	c 09	N71-26787*	NASA-CASE-XLA-01091	c 15	N71-10672* #
NASA-CASE-XGS-03304	c 09	N71-22988*	NASA-CASE-XKS-06167	c 08	N71-24890*	NASA-CASE-XLA-01127	c 07	N70-41372* #
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NASA-CASE-XGS-03390	c 03	N71-23187*	NASA-CASE-XKS-07814	c 15	N71-27067*	NASA-CASE-XLA-01141	c 15	N71-13789* #
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NASA-CASE-XGS-03431	c 21	N71-15642*	NASA-CASE-XKS-08485	c 07	N71-19493*	NASA-CASE-XLA-01220	c 02	N70-41863* #
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NASA-CASE-XGS-03502	c 10	N71-20852*	NASA-CASE-XKS-09348	c 09	N71-13521* #	NASA-CASE-XLA-01262	c 15	N71-21404*
NASA-CASE-XGS-03505	c 03	N71-10608* #	NASA-CASE-XKS-10543	c 07	N71-26292*	NASA-CASE-XLA-01288	c 09	N69-21470* #
NASA-CASE-XGS-03532	c 14	N71-17627*	NASA-CASE-XKS-10804	c 05	N71-24606*	NASA-CASE-XLA-01290	c 02	N70-42016* #
NASA-CASE-XGS-03556	c 27	N70-35534* #				NASA-CASE-XLA-01291	c 33	N70-36617* #
NASA-CASE-XGS-03632	c 09	N71-23311*	NASA-CASE-XLA-00013	c 15	N71-29136*	NASA-CASE-XLA-01326	c 11	N71-21481*
NASA-CASE-XGS-03644	c 16	N71-18614*	NASA-CASE-XLA-00062	c 14	N70-33254*	NASA-CASE-XLA-01332	c 31	N71-15664* #
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NASA-CASE-XGS-03864	c 15	N69-24320* #	NASA-CASE-XLA-00100	c 14	N70-36807* #	NASA-CASE-XLA-01353	c 14	N70-41366* #
NASA-CASE-XGS-03865	c 14	N69-21363* #	NASA-CASE-XLA-00105	c 28	N70-33331*	NASA-CASE-XLA-01354	c 25	N70-36946* #
NASA-CASE-XGS-04047-2	c 03	N72-11062*	NASA-CASE-XLA-00112	c 11	N70-33287*	NASA-CASE-XLA-01396	c 03	N71-12259* #
NASA-CASE-XGS-04119	c 18	N69-39979* #	NASA-CASE-XLA-00113	c 14	N70-33386*	NASA-CASE-XLA-01400	c 07	N70-41331* #
NASA-CASE-XGS-04173	c 19	N71-26674*	NASA-CASE-XLA-00115	c 03	N70-33343*	NASA-CASE-XLA-01401	c 15	N71-21179*
NASA-CASE-XGS-04175	c 15	N71-18579*	NASA-CASE-XLA-00117	c 31	N71-17680*	NASA-CASE-XLA-01441	c 15	N70-41679* #
NASA-CASE-XGS-04224	c 10	N71-26418*	NASA-CASE-XLA-00118	c 05	N70-33285*	NASA-CASE-XLA-01446	c 15	N71-21526*
NASA-CASE-XGS-04227	c 15	N71-21744*	NASA-CASE-XLA-00119	c 11	N70-33229*	NASA-CASE-XLA-01486	c 01	N71-23497*
NASA-CASE-XGS-04393	c 21	N71-14159*	NASA-CASE-XLA-00120	c 21	N70-33181*	NASA-CASE-XLA-01494	c 15	N71-24164*
NASA-CASE-XGS-04478	c 14	N71-24233*	NASA-CASE-XLA-00128	c 15	N70-37925* #	NASA-CASE-XLA-01530	c 14	N71-23092*
NASA-CASE-XGS-04480	c 16	N69-27491* #	NASA-CASE-XLA-00135	c 14	N70-33222*	NASA-CASE-XLA-01551	c 14	N71-22989*
NASA-CASE-XGS-04531	c 03	N69-24267* #	NASA-CASE-XLA-00137	c 15	N70-33180*	NASA-CASE-XLA-01552	c 07	N71-11284* #
NASA-CASE-XGS-04548	c 15	N71-20405*	NASA-CASE-XLA-00138	c 31	N70-37981* #	NASA-CASE-XLA-01583	c 02	N70-36825* #
NASA-CASE-XGS-04554	c 15	N69-39766* #	NASA-CASE-XLA-00141	c 09	N70-3312*	NASA-CASE-XLA-01584	c 14	N71-23269*
NASA-CASE-XGS-04765	c 08	N71-18693*	NASA-CASE-XLA-00142	c 02	N70-33286*	NASA-CASE-XLA-01731	c 32	N71-21045*
NASA-CASE-XGS-04766	c 08	N71-18602*	NASA-CASE-XLA-00147	c 25	N70-34661* #	NASA-CASE-XLA-01745	c 33	N71-28903*
NASA-CASE-XGS-04767	c 08	N71-12494*	NASA-CASE-XLA-00149	c 31	N70-37936* #	NASA-CASE-XLA-01781	c 14	N69-39975* #
NASA-CASE-XGS-04768	c 08	N71-19437*	NASA-CASE-XLA-00154	c 28	N70-33374*	NASA-CASE-XLA-01782	c 14	N71-26136*
NASA-CASE-XGS-04799	c 18	N71-24183*	NASA-CASE-XLA-00158	c 26	N70-36805*	NASA-CASE-XLA-01787	c 11	N71-16028*
NASA-CASE-XGS-04808	c 03	N69-25146* #	NASA-CASE-XLA-00165	c 31	N70-33242*	NASA-CASE-XLA-01791	c 14	N71-22991*
NASA-CASE-XGS-04879	c 14	N71-20428*	NASA-CASE-XLA-00166	c 02	N70-34178* #	NASA-CASE-XLA-01794	c 33	N71-21586*
NASA-CASE-XGS-04987	c 08	N71-20571*	NASA-CASE-XLA-00183	c 14	N70-40239* #	NASA-CASE-XLA-01804	c 02	N70-34160* #
NASA-CASE-XGS-04993	c 14	N71-17574*	NASA-CASE-XLA-00188	c 15	N71-22874*	NASA-CASE-XLA-01807	c 15	N71-10799* #
NASA-CASE-XGS-04994	c 09	N69-21543* #	NASA-CASE-XLA-00189	c 33	N70-36846* #	NASA-CASE-XLA-01808	c 15	N71-20740*
NASA-CASE-XGS-04999	c 09	N69-24317* #	NASA-CASE-XLA-00195	c 02	N70-38009*	NASA-CASE-XLA-01832	c 14	N71-21006*
NASA-CASE-XGS-05003	c 09	N69-24318* #	NASA-CASE-XLA-00203	c 14	N70-34161* #	NASA-CASE-XLA-01907	c 14	N71-23268*
NASA-CASE-XGS-05180	c 18	N71-25881*	NASA-CASE-XLA-00204	c 32	N70-36536* #	NASA-CASE-XLA-01926	c 14	N71-15620* #
NASA-CASE-XGS-05211	c 07	N69-39980* #	NASA-CASE-XLA-00210	c 30	N70-40309* #	NASA-CASE-XLA-01952	c 08	N71-12507* #
NASA-CASE-XGS-05289	c 09	N71-19470*	NASA-CASE-XLA-00221	c 02	N70-33266*	NASA-CASE-XLA-01987	c 31	N70-42015* #
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NASA-CASE-XGS-05291	c 23	N71-16341*	NASA-CASE-XLA-00230	c 02	N70-33255*	NASA-CASE-XLA-01989	c 21	N70-34295*
NASA-CASE-XGS-05432	c 03	N71-19438*	NASA-CASE-XLA-00241	c 31	N70-37986*	NASA-CASE-XLA-01995	c 18	N71-23047*
NASA-CASE-XGS-05434	c 03	N71-20491*	NASA-CASE-XLA-00256	c 31	N71-15663*	NASA-CASE-XLA-02050	c 31	N71-22968*
NASA-CASE-XGS-05441	c 10	N71-22962*	NASA-CASE-XLA-00258	c 31	N70-38676* #	NASA-CASE-XLA-02057	c 26	N70-40015* #
NASA-CASE-XGS-05532	c 06	N71-17705*	NASA-CASE-XLA-00281	c 21	N70-36943* #	NASA-CASE-XLA-02059	c 33	N71-24276*
NASA-CASE-XGS-05533	c 04	N69-27487* #	NASA-CASE-XLA-00284	c 15	N71-16075*	NASA-CASE-XLA-02079	c 12	N71-16894*
NASA-CASE-XGS-05534	c 23	N71-16355*	NASA-CASE-XLA-00302	c 15	N71-16077*	NASA-CASE-XLA-02081	c 20	N71-16281*
NASA-CASE-XGS-05579	c 31	N71-15676*	NASA-CASE-XLA-00304	c 27	N70-34783* #	NASA-CASE-XLA-02131	c 32	N70-42003* #
NASA-CASE-XGS-05582	c 07	N69-27460* #	NASA-CASE-XLA-00326	c 03	N70-34667* #	NASA-CASE-XLA-02132	c 31	N71-10582* #
NASA-CASE-XGS-05584-1	c 25	N82-28370* #	NASA-CASE-XLA-00327	c 25	N71-29184*	NASA-CASE-XLA-02332	c 32	N71-17609*
NASA-CASE-XGS-05680	c 14	N71-17585*	NASA-CASE-XLA-00330	c 33	N70-34540* #	NASA-CASE-XLA-02551	c 21	N71-21708*
NASA-CASE-XGS-05715	c 23	N71-16100*	NASA-CASE-XLA-00349	c 33	N70-37979* #	NASA-CASE-XLA-02605	c 14	N71-10773* #
NASA-CASE-XGS-05718	c 26	N71-16037*	NASA-CASE-XLA-00350	c 02	N70-38011* #	NASA-CASE-XLA-02609	c 09	N72-25256* #
NASA-CASE-XGS-05918	c 07	N69-39974* #	NASA-CASE-XLA-00377	c 33	N71-17610*	NASA-CASE-XLA-02619	c 10	N71-26334*
NASA-CASE-XGS-06226	c 10	N71-25950*	NASA-CASE-XLA-00378	c 11	N71-15925*	NASA-CASE-XLA-02651	c 28	N70-41967* #
NASA-CASE-XGS-06306	c 17	N71-16044*	NASA-CASE-XLA-00414	c 07	N70-38200* #	NASA-CASE-XLA-02704	c 11	N69-21540* #
NASA-CASE-XGS-06628	c 24	N71-16213*	NASA-CASE-XLA-00415	c 15	N71-16079*	NASA-CASE-XLA-02705	c 08	N71-15908*
NASA-CASE-XGS-07375-1	c 25	N82-29370* #	NASA-CASE-XLA-00471	c 08	N70-34778* #	NASA-CASE-XLA-02758	c 14	N71-18481*
NASA-CASE-XGS-07397-1	c 25	N82-29370* #	NASA-CASE-XLA-00481	c 14	N70-36824* #	NASA-CASE-XLA-02809	c 15	N71-22982*
NASA-CASE-XGS-07514	c 23	N71-16059*	NASA-CASE-XLA-00482	c 15	N70-36409* #	NASA-CASE-XLA-02810	c 14	N71-2

NASA-CASE-XLA-02854	c 15	N69-27490* #	NASA-CASE-XLA-09371	c 10	N71-18724*	NASA-CASE-XLE-01300	c 15	N70-41993* #
NASA-CASE-XLA-02865	c 28	N71-15563*	NASA-CASE-XLA-09480	c 11	N71-33612*	NASA-CASE-XLE-01399	c 33	N71-15625*
NASA-CASE-XLA-02898	c 05	N71-20268*	NASA-CASE-XLA-09843	c 15	N72-27485* #	NASA-CASE-XLE-01449	c 15	N70-41646* #
NASA-CASE-XLA-03076	c 07	N71-11266* #	NASA-CASE-XLA-09881	c 31	N71-16085*	NASA-CASE-XLE-01481	c 14	N71-10781* #
NASA-CASE-XLA-03102	c 14	N71-21079*	NASA-CASE-XLA-10322	c 15	N72-17452* #	NASA-CASE-XLE-01512	c 12	N70-40124* #
NASA-CASE-XLA-03103	c 25	N71-21693*	NASA-CASE-XLA-10402	c 14	N71-29041*	NASA-CASE-XLE-01533	c 11	N71-10777* #
NASA-CASE-XLA-03104	c 06	N71-11235* #	NASA-CASE-XLA-10450	c 28	N71-21493*	NASA-CASE-XLE-01604-2	c 15	N71-15610* #
NASA-CASE-XLA-03105	c 15	N69-27483* #	NASA-CASE-XLA-10470	c 15	N72-21489* #	NASA-CASE-XLE-01609	c 14	N71-10500* #
NASA-CASE-XLA-03114	c 09	N71-22888*	NASA-CASE-XLA-10772	c 07	N71-28980*	NASA-CASE-XLE-01640	c 31	N71-15637*
NASA-CASE-XLA-03127	c 11	N71-10776* #	NASA-CASE-XLA-11028-1	c 24	N74-27035* #	NASA-CASE-XLE-01645	c 03	N71-20904* #
NASA-CASE-XLA-03132	c 31	N71-22969*	NASA-CASE-XLA-11154	c 07	N72-21117* #	NASA-CASE-XLE-01716	c 09	N70-40234* #
NASA-CASE-XLA-03135	c 32	N71-16428*	NASA-CASE-XLA-11189	c 10	N72-20222* #	NASA-CASE-XLE-01765	c 18	N71-10772* #
NASA-CASE-XLA-03213	c 05	N71-11207* #	NASA-CASE-XLA-1349	c 20	N77-17143* #	NASA-CASE-XLE-01783	c 28	N70-34175* #
NASA-CASE-XLA-03271	c 11	N69-24321* #	NASA-CASE-XLA-8914-2	c 25	N82-21269* #	NASA-CASE-XLE-01902	c 28	N71-10574* #
NASA-CASE-XLA-03273	c 14	N71-18699*	NASA-CASE-XLA-8914	c 15	N73-12492* #	NASA-CASE-XLE-01903	c 22	N71-23599*
NASA-CASE-XLA-03356	c 10	N71-23315*	NASA-CASE-XLA-8914	c 15	N73-12492* #	NASA-CASE-XLE-01988	c 27	N71-15634*
NASA-CASE-XLA-03374	c 25	N71-15562*	NASA-CASE-XLE-00005	c 28	N70-39899* #	NASA-CASE-XLE-01997	c 06	N71-23527*
NASA-CASE-XLA-03375	c 16	N71-24074*	NASA-CASE-XLE-00010	c 15	N70-33382*	NASA-CASE-XLE-02008	c 09	N71-21583*
NASA-CASE-XLA-03410	c 16	N71-25914*	NASA-CASE-XLE-00011	c 14	N70-41946* #	NASA-CASE-XLE-02024	c 14	N71-22964*
NASA-CASE-XLA-03429	c 15	N71-22713*	NASA-CASE-XLE-00020	c 15	N70-33226*	NASA-CASE-XLE-02038	c 09	N71-16086*
NASA-CASE-XLA-03497	c 15	N71-23052*	NASA-CASE-XLE-00023	c 15	N70-33330*	NASA-CASE-XLE-02062-1	c 20	N80-14188* #
NASA-CASE-XLA-03538	c 15	N71-24897*	NASA-CASE-XLE-00027	c 33	N71-29152*	NASA-CASE-XLE-02066	c 28	N71-15661*
NASA-CASE-XLA-03645	c 14	N71-20430*	NASA-CASE-XLE-00035	c 33	N71-29151*	NASA-CASE-XLE-02082	c 17	N71-16026*
NASA-CASE-XLA-03659	c 02	N71-11041* #	NASA-CASE-XLE-00037	c 28	N70-33372*	NASA-CASE-XLE-02083	c 03	N69-39983* #
NASA-CASE-XLA-03660	c 15	N71-21060*	NASA-CASE-XLE-00046	c 15	N70-33311*	NASA-CASE-XLE-02367-1	c 31	N79-21225* #
NASA-CASE-XLA-03661	c 15	N71-33518*	NASA-CASE-XLE-00057	c 28	N70-38711* #	NASA-CASE-XLE-02428	c 17	N70-33288*
NASA-CASE-XLA-03691	c 31	N71-15674*	NASA-CASE-XLE-00078	c 28	N70-33284*	NASA-CASE-XLE-02531	c 05	N71-23080*
NASA-CASE-XLA-03724	c 14	N69-27461* #	NASA-CASE-XLE-00085	c 28	N70-39895* #	NASA-CASE-XLE-02545-1	c 76	N79-21910* #
NASA-CASE-XLA-03893	c 10	N71-27271*	NASA-CASE-XLE-00092	c 15	N70-33264*	NASA-CASE-XLE-02578	c 25	N71-20747*
NASA-CASE-XLA-04063	c 31	N71-33160*	NASA-CASE-XLE-00101	c 15	N70-33376*	NASA-CASE-XLE-02624	c 12	N69-39988* #
NASA-CASE-XLA-04126	c 28	N71-26779*	NASA-CASE-XLE-00103	c 28	N70-33241*	NASA-CASE-XLE-02647	c 18	N71-23658*
NASA-CASE-XLA-04143	c 15	N71-17687*	NASA-CASE-XLE-00106	c 15	N71-16076*	NASA-CASE-XLE-02792	c 26	N71-10607* #
NASA-CASE-XLA-04251	c 18	N71-26100*	NASA-CASE-XLE-00111	c 28	N70-38199* #	NASA-CASE-XLE-02798	c 26	N71-23654*
NASA-CASE-XLA-04295	c 16	N71-24170*	NASA-CASE-XLE-00143	c 14	N70-36618* #	NASA-CASE-XLE-02823	c 09	N71-23443*
NASA-CASE-XLA-04451	c 02	N71-12243* #	NASA-CASE-XLE-00144	c 28	N70-34860* #	NASA-CASE-XLE-02824	c 03	N69-39890* #
NASA-CASE-XLA-04555-1	c 14	N71-25892*	NASA-CASE-XLE-00145	c 28	N70-36806* #	NASA-CASE-XLE-02902	c 25	N71-21694*
NASA-CASE-XLA-04556	c 14	N69-27484* #	NASA-CASE-XLE-00150	c 28	N70-41818* #	NASA-CASE-XLE-02991	c 17	N71-16025* #
NASA-CASE-XLA-04605	c 32	N71-16106*	NASA-CASE-XLE-00151	c 17	N70-33283*	NASA-CASE-XLE-02998	c 14	N70-42074* #
NASA-CASE-XLA-04622	c 03	N70-41580* #	NASA-CASE-XLE-00155	c 28	N71-29154*	NASA-CASE-XLE-02999	c 15	N71-16052*
NASA-CASE-XLA-04804	c 31	N71-23008*	NASA-CASE-XLE-00164	c 15	N70-36411* #	NASA-CASE-XLE-03061-1	c 10	N71-24798*
NASA-CASE-XLA-04897	c 15	N72-22482* #	NASA-CASE-XLE-00168	c 11	N70-33278*	NASA-CASE-XLE-03157	c 28	N71-24736*
NASA-CASE-XLA-04901	c 31	N71-24315*	NASA-CASE-XLE-00170	c 15	N70-36412* #	NASA-CASE-XLE-03186-1	c 09	N79-21084* #
NASA-CASE-XLA-04980-2	c 14	N72-28438* #	NASA-CASE-XLE-00177	c 28	N70-40367* #	NASA-CASE-XLE-03280	c 14	N71-23093*
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NASA-CASE-XLA-05087	c 14	N73-30391* #	NASA-CASE-XLE-00209	c 22	N73-32528* #	NASA-CASE-XLE-03494	c 27	N71-21819*
NASA-CASE-XLA-05099	c 09	N73-13209* #	NASA-CASE-XLE-00212	c 03	N70-34134* #	NASA-CASE-XLE-03512	c 12	N69-21466* #
NASA-CASE-XLA-05100	c 15	N71-17696*	NASA-CASE-XLE-00222	c 02	N70-37939* #	NASA-CASE-XLE-03583	c 31	N71-17629*
NASA-CASE-XLA-05332	c 05	N71-11194* #	NASA-CASE-XLE-00228	c 17	N70-38490* #	NASA-CASE-XLE-03629	c 17	N71-23248*
NASA-CASE-XLA-05369	c 31	N71-15687*	NASA-CASE-XLE-00231	c 17	N70-38198* #	NASA-CASE-XLE-03778	c 09	N69-21542* #
NASA-CASE-XLA-05378	c 11	N71-21475*	NASA-CASE-XLE-00243	c 14	N70-38602* #	NASA-CASE-XLE-03803-2	c 15	N71-17651*
NASA-CASE-XLA-05464	c 21	N71-14132* #	NASA-CASE-XLE-00252	c 11	N70-34844* #	NASA-CASE-XLE-03803	c 15	N71-23816*
NASA-CASE-XLA-05541	c 12	N71-26387*	NASA-CASE-XLE-00266	c 14	N70-34156* #	NASA-CASE-XLE-03804	c 10	N71-19471*
NASA-CASE-XLA-05749	c 15	N71-19569*	NASA-CASE-XLE-00267	c 28	N70-33356* #	NASA-CASE-XLE-03925	c 18	N71-22894*
NASA-CASE-XLA-05828	c 01	N71-13411* #	NASA-CASE-XLE-00283	c 17	N70-36616* #	NASA-CASE-XLE-03940-2	c 17	N72-28536* #
NASA-CASE-XLA-05906	c 31	N71-16221*	NASA-CASE-XLE-00288	c 15	N70-34247* #	NASA-CASE-XLE-03940	c 18	N71-26153*
NASA-CASE-XLA-05966	c 15	N72-12408*	NASA-CASE-XLE-00303	c 15	N70-36535* #	NASA-CASE-XLE-04026	c 14	N71-23267*
NASA-CASE-XLA-06095	c 01	N69-39981* #	NASA-CASE-XLE-00323	c 28	N70-38505* #	NASA-CASE-XLE-04222	c 23	N71-22881*
NASA-CASE-XLA-06199	c 15	N71-24975*	NASA-CASE-XLE-00335	c 14	N70-35368* #	NASA-CASE-XLE-04250	c 09	N71-20446*
NASA-CASE-XLA-06232	c 25	N71-20563*	NASA-CASE-XLE-00342	c 28	N70-37980* #	NASA-CASE-XLE-04501	c 09	N71-23190*
NASA-CASE-XLA-06339	c 02	N71-13422* #	NASA-CASE-XLE-00345	c 15	N70-38200* #	NASA-CASE-XLE-04503	c 14	N71-24864*
NASA-CASE-XLA-06683	c 14	N72-28436* #	NASA-CASE-XLE-00353	c 18	N70-39897* #	NASA-CASE-XLE-04526	c 03	N71-11052* #
NASA-CASE-XLA-06713	c 14	N71-28991*	NASA-CASE-XLE-00376	c 28	N70-37245* #	NASA-CASE-XLE-04535	c 03	N71-23354*
NASA-CASE-XLA-06824-2	c 02	N71-11037* #	NASA-CASE-XLE-00387	c 33	N70-34812* #	NASA-CASE-XLE-04599	c 22	N72-20597* #
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NASA-CASE-XLA-07390	c 15	N71-18616*	NASA-CASE-XLE-00397	c 15	N70-36492* #	NASA-CASE-XLE-04677	c 15	N71-10577* #
NASA-CASE-XLA-07391	c 12	N71-17579*	NASA-CASE-XLE-00409	c 28	N71-15658*	NASA-CASE-XLE-04787	c 03	N71-20492*
NASA-CASE-XLA-07424	c 14	N71-18482*	NASA-CASE-XLE-00454	c 23	N71-17802*	NASA-CASE-XLE-04788	c 09	N71-22987*
NASA-CASE-XLA-07430	c 11	N72-22246* #	NASA-CASE-XLE-00455	c 28	N70-38197* #	NASA-CASE-XLE-04791	c 32	N74-22096* #
NASA-CASE-XLA-07473	c 15	N71-24895*	NASA-CASE-XLE-00490	c 33	N70-34545* #	NASA-CASE-XLE-04857	c 28	N71-23968*
NASA-CASE-XLA-07497	c 09	N71-12514* #	NASA-CASE-XLE-00503	c 14	N70-34818* #	NASA-CASE-XLE-04946	c 17	N71-24911*
NASA-CASE-XLA-07728	c 33	N71-22890*	NASA-CASE-XLE-00519	c 28	N70-41576* #	NASA-CASE-XLE-05033	c 15	N71-23810*
NASA-CASE-XLA-07732	c 08	N71-18751* #	NASA-CASE-XLE-00586	c 15	N71-15968*	NASA-CASE-XLE-05079	c 15	N71-17652*
NASA-CASE-XLA-07788	c 09	N71-29139*	NASA-CASE-XLE-00620	c 32	N70-41579* #	NASA-CASE-XLE-05130-2	c 15	N71-19570*
NASA-CASE-XLA-07813	c 14	N72-17328* #	NASA-CASE-XLE-00660	c 28	N70-39925* #	NASA-CASE-XLE-05130	c 15	N69-21362* #
NASA-CASE-XLA-07828	c 08	N71-27057*	NASA-CASE-XLE-00685	c 28	N70-41892* #	NASA-CASE-XLE-05230-2	c 14	N73-13417* #
NASA-CASE-XLA-07829	c 15	N72-16329*	NASA-CASE-XLE-00688	c 14	N70-41330* #	NASA-CASE-XLE-05230	c 14	N72-27410* #
NASA-CASE-XLA-07911	c 15	N71-15571*	NASA-CASE-XLE-00690	c 25	N69-39884* #	NASA-CASE-XLE-05260	c 14	N71-20429*
NASA-CASE-XLA-08254	c 14	N71-26161*	NASA-CASE-XLE-00702	c 14	N70-40203* #	NASA-CASE-XLE-05641-1	c 15	N71-26346*
NASA-CASE-XLA-08491	c 05	N69-21380* #	NASA-CASE-XLE-00703	c 15	N71-15967*	NASA-CASE-XLE-05689	c 28	N71-15659*
NASA-CASE-XLA-08493	c 10	N71-19421*	NASA-CASE-XLE-00715	c 15	N70-34859* #	NASA-CASE-XLE-05913	c 33	N71-14032* #
NASA-CASE-XLA-08507	c 09	N69-39984* #	NASA-CASE-XLE-00720	c 14	N70-40201* #	NASA-CASE-XLE-06094	c 33	N78-17293* #
NASA-CASE-XLA-08530	c 32	N71-25360*	NASA-CASE-XLE-00726	c 17	N71-15644* #	NASA-CASE-XLE-06461-2	c 17	N72-28535* #
NASA-CASE-XLA-08645	c 15	N69-21465* #	NASA-CASE-XLE-00785	c 33	N71-16104* #	NASA-CASE-XLE-08461	c 17	N72-22530* #
NASA-CASE-XLA-08646	c 14	N71-17586*	NASA-CASE-XLE-00787	c 14	N71-21080*	NASA-CASE-XLE-08773	c 15	N71-23817*
NASA-CASE-XLA-08799	c 10	N71-27272*	NASA-CASE-XLE-00808	c 24	N71-10560* #	NASA-CASE-XLE-08774-2	c 06	N72-25150* #
NASA-CASE-XLA-08801-1	c 02	N71-11043* #	NASA-CASE-XLE-00810	c 15	N70-34861* #	NASA-CASE-XLE-08699	c 17	N71-24142*
NASA-CASE-XLA-08802	c 06	N71-11238*	NASA-CASE-XLE-00815	c 15	N70-35407* #	NASA-CASE-XLE-07087	c 06	N69-39889* #
NASA-CASE-XLA-08911	c 15	N71-27214*	NASA-CASE-XLE-00817	c 28	N70-33265*	NASA-CASE-XLE-08511-2	c 18	N71-16105*
NASA-CASE-XLA-08913	c 14	N71-28933*	NASA-CASE-XLE-00820	c 14	N71-16014* #	NASA-CASE-XLE-08511	c 18	N71-23710*
NASA-CASE-XLA-08916-2	c 14	N73-28487* #	NASA-CASE-XLE-00953	c 15	N71-15966*	NASA-CASE-XLE-08569-2	c 03	N71-24681*
NASA-CASE-XLA-08916	c 15	N71-29018*	NASA-CASE-XLE-01015	c 03	N69-39898* #	NASA-CASE-XLE-08569	c 03	N71-23449*
NASA-CASE-XLA-08966-1	c 17	N71-25903*	NASA-CASE-XLE-01092	c 15	N71-22797*	NASA-CASE-XLE-08917-2	c 15	N71-24836*
NASA-CASE-XLA-08967	c 02	N71-27088*	NASA-CASE-XLE-01124	c 28	N71-140			

NASA-CASE-XLE-09527-2	c 15	N71-26189*	NASA-CASE-XMF-02966	c 10	N71-24863*	NASA-CASE-XMS-00893	c 07	N70-40063*
NASA-CASE-XLE-09527	c 15	N71-17688*	NASA-CASE-XMF-03074	c 06	N71-24740*	NASA-CASE-XMS-00907	c 02	N70-41630*
NASA-CASE-XLE-10326-2	c 15	N72-29488* #	NASA-CASE-XMF-03169	c 31	N71-15675*	NASA-CASE-XMS-00913	c 10	N71-23543*
NASA-CASE-XLE-10326-4	c 37	N74-15125* #	NASA-CASE-XMF-03198	c 30	N70-40353* #	NASA-CASE-XMS-00945	c 09	N71-10798*
NASA-CASE-XLE-10337	c 15	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 28	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	N71-15807* #	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*
NASA-CASE-XLE-10715	c 26	N71-23292*	NASA-CASE-XMF-03511	c 15	N71-22799*	NASA-CASE-XMS-01244-1	c 33	N79-33393*
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-25259-2	c 36	N75-27384* #	NASA-CASE-XMF-03856	c 31	N70-34159* #	NASA-CASE-XMS-01330	c 37	N75-27376*
NASA-CASE-XLE-25259-3	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-01495	c 05	N70-41297*
NASA-CASE-XMF-00148	c 28	N70-38710* #	NASA-CASE-XMF-03968	c 14	N71-2718*	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*
NASA-CASE-XMF-00324	c 09	N70-34596* #	NASA-CASE-XMF-04042	c 15	N71-23023*	NASA-CASE-XMS-01615	c 05	N70-41329*
NASA-CASE-XMF-00339	c 15	N70-39896* #	NASA-CASE-XMF-04132	c 15	N69-27502* #	NASA-CASE-XMS-01618	c 14	N71-20741*
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	N71-2375*	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*
NASA-CASE-XMF-00421	c 09	N70-34502* #	NASA-CASE-XMF-04367	c 09	N71-23454*	NASA-CASE-XMS-01991	c 09	N71-21449*
NASA-CASE-XMF-00424	c 11	N70-38196* #	NASA-CASE-XMF-04415	c 14	N71-24693*	NASA-CASE-XMS-01994-1	c 14	N72-1726*
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	N70-29044*
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	c 14	N70-38898* #	NASA-CASE-XMF-04966	c 14	N71-17658*	NASA-CASE-XMS-02383	c 15	N71-15918*
NASA-CASE-XMF-00515	c 15	N70-34664* #	NASA-CASE-XMF-05046	c 33	N71-28892*	NASA-CASE-XMS-02399	c 05	N71-22896*
NASA-CASE-XMF-00517	c 03	N70-34157* #	NASA-CASE-XMF-05114-2	c 15	N71-26148*	NASA-CASE-XMS-02532	c 15	N70-41808*
NASA-CASE-XMF-00580	c 11	N70-35383* #	NASA-CASE-XMF-05114-3	c 15	N71-24865*	NASA-CASE-XMS-02677	c 31	N70-42075*
NASA-CASE-XMF-00640	c 15	N70-39924* #	NASA-CASE-XMF-05114	c 15	N71-17650*	NASA-CASE-XMS-02744	c 33	N75-27249*
NASA-CASE-XMF-00641	c 31	N70-36410* #	NASA-CASE-XMF-05195	c 10	N71-24861*	NASA-CASE-XMS-02872	c 05	N69-21925*
NASA-CASE-XMF-00658	c 12	N70-38997* #	NASA-CASE-XMF-05224	c 14	N71-23728*	NASA-CASE-XMS-02930	c 11	N71-23042*
NASA-CASE-XMF-00663	c 08	N71-18752*	NASA-CASE-XMF-05279	c 18	N71-16124*	NASA-CASE-XMS-02952	c 18	N71-20742*
NASA-CASE-XMF-00684	c 21	N71-21688*	NASA-CASE-XMF-05344	c 31	N71-16345*	NASA-CASE-XMS-02977	c 11	N71-10746*
NASA-CASE-XMF-00701	c 09	N70-40272* #	NASA-CASE-XMF-05373-1	c 33	N79-21264* #	NASA-CASE-XMS-03252	c 15	N71-10585*
NASA-CASE-XMF-00722	c 15	N70-40204* #	NASA-CASE-XMF-05757-1	c 31	N79-21227* #	NASA-CASE-XMS-03371	c 05	N70-42000*
NASA-CASE-XMF-00906	c 09	N70-41655* #	NASA-CASE-XMF-05835	c 08	N71-12504* #	NASA-CASE-XMS-03454	c 09	N71-20658*
NASA-CASE-XMF-00908	c 14	N70-40238* #	NASA-CASE-XMF-05843	c 03	N71-11055* #	NASA-CASE-XMS-03537	c 15	N69-21471*
NASA-CASE-XMF-00923	c 28	N70-36802* #	NASA-CASE-XMF-05844	c 14	N71-17587*	NASA-CASE-XMS-03542	c 09	N71-28982*
NASA-CASE-XMF-00968	c 28	N71-15660*	NASA-CASE-XMF-05868	c 26	N75-27125* #	NASA-CASE-XMS-03613	c 31	N71-16346*
NASA-CASE-XMF-01016	c 26	N71-17818*	NASA-CASE-XMF-05882	c 35	N75-27329* #	NASA-CASE-XMS-03694-1	c 54	N82-29020*
NASA-CASE-XMF-01030	c 18	N70-41583* #	NASA-CASE-XMF-05941	c 31	N71-23912*	NASA-CASE-XMS-03700	c 15	N69-24266*
NASA-CASE-XMF-01045	c 15	N70-40354* #	NASA-CASE-XMF-05964-1	c 20	N79-21124* #	NASA-CASE-XMS-03722	c 15	N71-21530*
NASA-CASE-XMF-01049	c 15	N71-23049*	NASA-CASE-XMF-05999	c 15	N71-29032*	NASA-CASE-XMS-03745	c 15	N71-21076*
NASA-CASE-XMF-01083	c 15	N71-22723*	NASA-CASE-XMF-06053	c 26	N75-27126* #	NASA-CASE-XMS-03792	c 14	N70-41812*
NASA-CASE-XMF-01096	c 10	N71-16030*	NASA-CASE-XMF-06065	c 15	N71-20395*	NASA-CASE-XMS-04061-1	c 09	N69-39885*
NASA-CASE-XMF-01097	c 10	N71-16058*	NASA-CASE-XMF-06092	c 07	N71-24612*	NASA-CASE-XMS-04072	c 15	N70-42017*
NASA-CASE-XMF-01099	c 14	N71-15969*	NASA-CASE-XMF-06409	c 06	N71-23230*	NASA-CASE-XMS-04142	c 31	N70-41631*
NASA-CASE-XMF-01129	c 09	N70-38712* #	NASA-CASE-XMF-06515	c 14	N71-23227*	NASA-CASE-XMS-04170	c 05	N71-22748*
NASA-CASE-XMF-01160	c 07	N71-11298* #	NASA-CASE-XMF-06519	c 09	N71-12519* #	NASA-CASE-XMS-04178	c 15	N71-22798*
NASA-CASE-XMF-01174	c 02	N70-41589* #	NASA-CASE-XMF-06531	c 14	N71-17575*	NASA-CASE-XMS-04201	c 14	N71-22990*
NASA-CASE-XMF-01371	c 15	N70-41829* #	NASA-CASE-XMF-06589	c 05	N71-23159*	NASA-CASE-XMS-04212-1	c 05	N71-12346*
NASA-CASE-XMF-01402	c 18	N71-21651*	NASA-CASE-XMF-06617	c 09	N71-24843*	NASA-CASE-XMS-04213-1	c 09	N71-26002*
NASA-CASE-XMF-01452	c 15	N70-41371* #	NASA-CASE-XMF-06884-1	c 20	N79-21123* #	NASA-CASE-XMS-04215-1	c 09	N69-39987*
NASA-CASE-XMF-01483	c 14	N69-27431* #	NASA-CASE-XMF-06888	c 15	N71-24044*	NASA-CASE-XMS-04268	c 33	N71-16277*
NASA-CASE-XMF-01543	c 31	N71-17730*	NASA-CASE-XMF-06892	c 09	N71-24805*	NASA-CASE-XMS-04269	c 16	N71-22895*
NASA-CASE-XMF-01544	c 28	N70-34162* #	NASA-CASE-XMF-06900-1	c 27	N79-21191* #	NASA-CASE-XMS-04292	c 15	N71-22722*
NASA-CASE-XMF-01598	c 21	N71-15583*	NASA-CASE-XMF-06926	c 28	N71-22983*	NASA-CASE-XMS-04300	c 09	N71-19479*
NASA-CASE-XMF-01599	c 09	N71-20705*	NASA-CASE-XMF-07069	c 15	N71-23815*	NASA-CASE-XMS-04312	c 07	N71-22984*
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NASA-CASE-XMF-01730	c 15	N71-23050*	NASA-CASE-XMF-07770-2	c 18	N71-26772*	NASA-CASE-XMS-04533	c 15	N71-23086*
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NASA-CASE-XMF-01779	c 12	N70-20815*	NASA-CASE-XMF-08217	c 03	N71-23239*	NASA-CASE-XMS-04625	c 05	N71-20718*
NASA-CASE-XMF-01813	c 28	N70-41582* #	NASA-CASE-XMF-08522	c 15	N71-19486*	NASA-CASE-XMS-04670	c 54	N78-17678*
NASA-CASE-XMF-01887	c 15	N71-10617* #	NASA-CASE-XMF-08523	c 31	N71-20396*	NASA-CASE-XMS-04798	c 11	N71-21474*
NASA-CASE-XMF-01892	c 10	N71-22986*	NASA-CASE-XMF-08651	c 06	N71-11236*	NASA-CASE-XMS-04826	c 28	N71-28849*
NASA-CASE-XMF-01899	c 31	N70-41948* #	NASA-CASE-XMF-08652	c 06	N71-11243*	NASA-CASE-XMS-04843	c 03	N69-21469*
NASA-CASE-XMF-01973	c 31	N70-41588* #	NASA-CASE-XMF-08655	c 06	N71-11239*	NASA-CASE-XMS-04890-1	c 15	N70-22192*
NASA-CASE-XMF-01974	c 14	N71-22752*	NASA-CASE-XMF-08656	c 06	N71-11242*	NASA-CASE-XMS-04917	c 14	N69-24257*
NASA-CASE-XMF-02039	c 15	N71-15871*	NASA-CASE-XMF-08665	c 10	N71-19467*	NASA-CASE-XMS-04919	c 09	N71-23270*
NASA-CASE-XMF-02107	c 15	N71-10809*	NASA-CASE-XMF-08674	c 06	N71-28807*	NASA-CASE-XMS-04928	c 54	N78-17679*
NASA-CASE-XMF-02108	c 31	N70-36845*	NASA-CASE-XMF-08804	c 09	N71-24717*	NASA-CASE-XMS-04935	c 05	N71-11190*
NASA-CASE-XMF-02221	c 18	N71-21710*	NASA-CASE-XMF-09422	c 07	N71-19436*	NASA-CASE-XMS-05303	c 07	N69-27462*
NASA-CASE-XMF-02263	c 05	N74-10907*	NASA-CASE-XMF-09902	c 15	N72-11387*	NASA-CASE-XMS-05304	c 05	N71-12330*
NASA-CASE-XMF-02303	c 17	N71-23828*	NASA-CASE-XMF-10040	c 15	N71-22877*	NASA-CASE-XMS-05307	c 09	N69-24303*
NASA-CASE-XMF-02307	c 14	N71-10779*	NASA-CASE-XMF-10289	c 14	N71-23699*	NASA-CASE-XMS-05365	c 14	N71-22993*
NASA-CASE-XMF-02330	c 15	N71-23798*	NASA-CASE-XMF-10753	c 06	N71-11237*	NASA-CASE-XMS-05454-1	c 07	N71-23191*
NASA-CASE-XMF-02392	c 32	N71-24285*	NASA-CASE-XMF-10968	c 14	N71-24234*	NASA-CASE-XMS-05516	c 15	N71-17803*
NASA-CASE-XMF-02433	c 14	N71-10616*	NASA-CASE-XMF-14032	c 20	N71-16340*	NASA-CASE-XMS-05562-1	c 09	N69-39986*
NASA-CASE-XMF-02526-1	c 27	N79-21190*	NASA-CASE-XMF-14301	c 09	N71-23188*	NASA-CASE-XMS-05605-1	c 10	N71-19468*
NASA-CASE-XMF-02527-1	c 27	N79-21190*	NASA-CASE-XMS-00259	c 18	N70-36400*	NASA-CASE-XMS-05731	c 35	N75-29382*
NASA-CASE-XMF-02584	c 06	N71-20905*	NASA-CASE-XMS-00486	c 33	N70-33344*	NASA-CASE-XMS-05894-1	c 09	N71-23191*
NASA-CASE-XMF-02783-1	c 27	N79-21190*	NASA-CASE-XMS-00583	c 28	N70-38504*	NASA-CASE-XMS-05909-1	c 15	N69-21924*
NASA-CASE-XMF-02786	c 17	N71-20743*	NASA-CASE-XMS-00784	c 05	N71-12335*	NASA-CASE-XMS-05936	c 14	N69-27459*
NASA-CASE-XMF-02822	c 14	N70-41994*	NASA-CASE-XMS-00784	c 05	N70-34857*	NASA-CASE-XMS-06056-1	c 23	N71-24857*
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NASA-CASE-XMS-06064	c 05	N71-23096*	NASA-CASE-XNP-01193	c 10	N71-16057*	NASA-CASE-XNP-04180	c 07	N69-39736* #
NASA-CASE-XMS-06162	c 31	N71-28851*	NASA-CASE-XNP-01263-2	c 15	N71-26312*	NASA-CASE-XNP-04183	c 09	N69-24329* #
NASA-CASE-XMS-06236	c 14	N71-21007*	NASA-CASE-XNP-01296	c 33	N75-27250* #	NASA-CASE-XNP-04231	c 14	N73-32325* #
NASA-CASE-XMS-06329-1	c 15	N71-20441*	NASA-CASE-XNP-01306-2	c 09	N71-24596*	NASA-CASE-XNP-04262-2	c 17	N71-26773* #
NASA-CASE-XMS-06497	c 14	N71-26244*	NASA-CASE-XNP-01306	c 07	N71-20814*	NASA-CASE-XNP-04264	c 03	N69-21337* #
NASA-CASE-XMS-06740-1	c 07	N71-26579*	NASA-CASE-XNP-01307	c 21	N70-41856* #	NASA-CASE-XNP-04338	c 17	N71-23046* #
NASA-CASE-XMS-06761	c 05	N69-23192* #	NASA-CASE-XNP-01310	c 33	N71-28852*	NASA-CASE-XNP-04339	c 17	N71-29137* #
NASA-CASE-XMS-06767-1	c 14	N71-20435*	NASA-CASE-XNP-01311	c 26	N75-29236* #	NASA-CASE-XNP-04389	c 28	N71-20942* #
NASA-CASE-XMS-06782	c 32	N71-15874*	NASA-CASE-XNP-01318	c 10	N71-23033*	NASA-CASE-XNP-04623	c 10	N71-26103* #
NASA-CASE-XMS-06876	c 15	N71-21536*	NASA-CASE-XNP-01328	c 26	N71-18064*	NASA-CASE-XNP-04731	c 15	N71-24042* #
NASA-CASE-XMS-06949	c 09	N69-21457* #	NASA-CASE-XNP-01383	c 09	N71-10659*	NASA-CASE-XNP-04732	c 09	N71-20851* #
NASA-CASE-XMS-07168	c 07	N71-11300* #	NASA-CASE-XNP-01390	c 28	N70-41275* #	NASA-CASE-XNP-04758	c 03	N71-24605* #
NASA-CASE-XMS-07487	c 15	N71-23255*	NASA-CASE-XNP-01412	c 15	N70-42034* #	NASA-CASE-XNP-04780	c 08	N71-19687* #
NASA-CASE-XMS-07846-1	c 09	N69-21927* #	NASA-CASE-XNP-01458	c 04	N78-17031* #	NASA-CASE-XNP-04816	c 06	N69-39936* #
NASA-CASE-XMS-08589-1	c 09	N71-20569*	NASA-CASE-XNP-01464	c 03	N71-10728* #	NASA-CASE-XNP-04817	c 14	N71-23225* #
NASA-CASE-XMS-09310	c 15	N71-22706*	NASA-CASE-XNP-01466	c 10	N71-26434*	NASA-CASE-XNP-04819	c 08	N71-23295* #
NASA-CASE-XMS-09352	c 09	N71-23316*	NASA-CASE-XNP-01472	c 14	N70-41807* #	NASA-CASE-XNP-04969	c 11	N69-27466* #
NASA-CASE-XMS-09571	c 05	N71-19439*	NASA-CASE-XNP-01501	c 21	N70-41930* #	NASA-CASE-XNP-05082	c 15	N70-41960* #
NASA-CASE-XMS-09610	c 07	N71-24625*	NASA-CASE-XNP-01567	c 15	N70-41310* #	NASA-CASE-XNP-05219	c 16	N71-15550* #
NASA-CASE-XMS-09632-1	c 05	N71-11203* #	NASA-CASE-XNP-01641	c 15	N71-22997*	NASA-CASE-XNP-05231	c 14	N73-28491* #
NASA-CASE-XMS-09635	c 05	N71-24623*	NASA-CASE-XNP-01659	c 14	N71-23039*	NASA-CASE-XNP-05254	c 07	N71-20791* #
NASA-CASE-XMS-09636	c 05	N71-12344* #	NASA-CASE-XNP-01660	c 14	N71-23036*	NASA-CASE-XNP-05297	c 15	N71-23811* #
NASA-CASE-XMS-09637-1	c 05	N71-24730*	NASA-CASE-XNP-01735	c 07	N70-22750*	NASA-CASE-XNP-05381	c 09	N71-20842* #
NASA-CASE-XMS-09652-1	c 05	N71-26333*	NASA-CASE-XNP-01747	c 15	N71-23024*	NASA-CASE-XNP-05382	c 10	N71-23544* #
NASA-CASE-XMS-09653	c 54	N78-17680* #	NASA-CASE-XNP-01749	c 27	N70-41897* #	NASA-CASE-XNP-05415	c 08	N71-12505* #
NASA-CASE-XMS-09690	c 33	N72-25913* #	NASA-CASE-XNP-01753	c 08	N71-22897*	NASA-CASE-XNP-05429	c 26	N71-21824* #
NASA-CASE-XMS-09691-1	c 18	N71-15545*	NASA-CASE-XNP-01848	c 15	N71-28959*	NASA-CASE-XNP-05524	c 33	N71-24876* #
NASA-CASE-XMS-10269	c 05	N71-24147*	NASA-CASE-XNP-01855	c 15	N71-28937*	NASA-CASE-XNP-05530	c 14	N73-32321* #
NASA-CASE-XMS-10660-1	c 15	N71-25975*	NASA-CASE-XNP-01951	c 09	N70-41929* #	NASA-CASE-XNP-05535	c 14	N71-23040* #
NASA-CASE-XMS-10984-1	c 10	N71-19417*	NASA-CASE-XNP-01954	c 28	N71-28850*	NASA-CASE-XNP-05612	c 09	N69-21458* #
NASA-CASE-XMS-10993	c 15	N71-28936*	NASA-CASE-XNP-01959	c 26	N71-23043*	NASA-CASE-XNP-05634	c 15	N71-24834* #
NASA-CASE-XMS-12158-1	c 31	N69-27499* #	NASA-CASE-XNP-01960	c 09	N71-23027*	NASA-CASE-XNP-05821	c 03	N71-11056* #
NASA-CASE-XMS-13052	c 14	N71-20427*	NASA-CASE-XNP-01961	c 26	N71-29156*	NASA-CASE-XNP-05975	c 15	N69-23185* #
NASA-CASE-XNP-00214	c 15	N70-36908* #	NASA-CASE-XNP-01962	c 32	N70-41370* #	NASA-CASE-XNP-06028	c 09	N71-23189* #
NASA-CASE-XNP-00217	c 28	N70-38181* #	NASA-CASE-XNP-02029	c 14	N70-41955* #	NASA-CASE-XNP-06031	c 15	N71-15606* #
NASA-CASE-XNP-00234	c 28	N70-38645* #	NASA-CASE-XNP-02092	c 15	N70-42033* #	NASA-CASE-XNP-06032	c 09	N69-21926* #
NASA-CASE-XNP-00249	c 28	N70-38249* #	NASA-CASE-XNP-02139	c 18	N71-24184*	NASA-CASE-XNP-06234	c 10	N71-27137* #
NASA-CASE-XNP-00250	c 11	N71-28779*	NASA-CASE-XNP-02140	c 09	N71-23097*	NASA-CASE-XNP-06503	c 23	N71-29049* #
NASA-CASE-XNP-00294	c 21	N70-36938* #	NASA-CASE-XNP-02251	c 12	N71-20896*	NASA-CASE-XNP-06505	c 10	N71-24799* #
NASA-CASE-XNP-00384	c 09	N71-13530* #	NASA-CASE-XNP-02278	c 15	N71-28951*	NASA-CASE-XNP-06506	c 03	N71-11050* #
NASA-CASE-XNP-00416	c 15	N70-36947* #	NASA-CASE-XNP-02340	c 23	N69-24332* #	NASA-CASE-XNP-06507	c 09	N71-23548* #
NASA-CASE-XNP-00425	c 11	N70-38202* #	NASA-CASE-XNP-02341	c 15	N71-21531*	NASA-CASE-XNP-06508	c 18	N69-39895* #
NASA-CASE-XNP-00431	c 09	N70-38989* #	NASA-CASE-XNP-02389	c 07	N71-28900*	NASA-CASE-XNP-06509	c 14	N71-23226* #
NASA-CASE-XNP-00432	c 08	N70-35423* #	NASA-CASE-XNP-02500	c 18	N71-27397*	NASA-CASE-XNP-06510	c 14	N71-23797* #
NASA-CASE-XNP-00438	c 21	N70-35089* #	NASA-CASE-XNP-02507	c 31	N71-17679*	NASA-CASE-XNP-06611	c 07	N71-26102* #
NASA-CASE-XNP-00449	c 14	N70-35220* #	NASA-CASE-XNP-02588	c 15	N71-18613* #	NASA-CASE-XNP-06914	c 15	N71-21489* #
NASA-CASE-XNP-00450	c 15	N70-38603* #	NASA-CASE-XNP-02592	c 24	N71-20518*	NASA-CASE-XNP-06933	c 14	N73-32321* #
NASA-CASE-XNP-00459	c 11	N70-38675* #	NASA-CASE-XNP-02595	c 31	N71-21881*	NASA-CASE-XNP-06936	c 15	N71-24695* #
NASA-CASE-XNP-00463	c 33	N70-36847* #	NASA-CASE-XNP-02654	c 10	N70-42032* #	NASA-CASE-XNP-06937	c 09	N71-19516* #
NASA-CASE-XNP-00465	c 21	N70-35395* #	NASA-CASE-XNP-02713	c 10	N69-39888* #	NASA-CASE-XNP-06942	c 28	N71-23293* #
NASA-CASE-XNP-00476	c 15	N70-38620* #	NASA-CASE-XNP-02723	c 07	N70-41680* #	NASA-CASE-XNP-06957	c 14	N71-21088* #
NASA-CASE-XNP-00477	c 08	N70-28045* #	NASA-CASE-XNP-02748	c 08	N71-22749*	NASA-CASE-XNP-07040	c 08	N71-12500* #
NASA-CASE-XNP-00540	c 09	N70-35382* #	NASA-CASE-XNP-02778	c 08	N71-22710*	NASA-CASE-XNP-07169	c 15	N73-32362* #
NASA-CASE-XNP-00595	c 15	N70-34967* #	NASA-CASE-XNP-02791	c 07	N71-23026*	NASA-CASE-XNP-07477	c 09	N71-26092* #
NASA-CASE-XNP-00597	c 18	N71-23088*	NASA-CASE-XNP-02792	c 14	N71-28958*	NASA-CASE-XNP-07478	c 14	N69-21923* #
NASA-CASE-XNP-00610	c 28	N70-36910* #	NASA-CASE-XNP-02839	c 28	N70-41922*	NASA-CASE-XNP-07481	c 25	N69-21929* #
NASA-CASE-XNP-00611	c 09	N70-35219* #	NASA-CASE-XNP-02862-1	c 15	N71-26294*	NASA-CASE-XNP-07659	c 06	N71-22975* #
NASA-CASE-XNP-00612	c 11	N70-38182* #	NASA-CASE-XNP-02888	c 18	N71-21068*	NASA-CASE-XNP-08124-2	c 06	N73-13129* #
NASA-CASE-XNP-00614	c 14	N70-36907* #	NASA-CASE-XNP-02899-1	c 33	N79-21265*	NASA-CASE-XNP-08124	c 15	N71-27184* #
NASA-CASE-XNP-00637	c 14	N70-40273* #	NASA-CASE-XNP-02923	c 28	N71-23081*	NASA-CASE-XNP-08274	c 10	N71-13537* #
NASA-CASE-XNP-00644	c 03	N70-36803* #	NASA-CASE-XNP-02983	c 31	N70-41855* #	NASA-CASE-XNP-08567	c 09	N71-26000* #
NASA-CASE-XNP-00646	c 14	N70-35666* #	NASA-CASE-XNP-03063	c 14	N71-21091*	NASA-CASE-XNP-08680	c 14	N71-22995* #
NASA-CASE-XNP-00650	c 27	N71-28929*	NASA-CASE-XNP-03128	c 17	N71-23365*	NASA-CASE-XNP-08832	c 08	N71-12506* #
NASA-CASE-XNP-00676	c 15	N70-38996* #	NASA-CASE-XNP-03134	c 10	N70-41991* #	NASA-CASE-XNP-08835-1	c 37	N80-14395* #
NASA-CASE-XNP-00683	c 09	N70-35425* #	NASA-CASE-XNP-03250	c 06	N71-23500*	NASA-CASE-XNP-08837	c 09	N71-12515* #
NASA-CASE-XNP-00708	c 14	N70-35394* #	NASA-CASE-XNP-03263	c 09	N71-18843*	NASA-CASE-XNP-08840	c 23	N71-16365* #
NASA-CASE-XNP-00710	c 15	N71-10778* #	NASA-CASE-XNP-03282	c 28	N72-20758* #	NASA-CASE-XNP-08875	c 10	N71-23099* #
NASA-CASE-XNP-00732	c 28	N70-41447* #	NASA-CASE-XNP-03332	c 09	N71-10618*	NASA-CASE-XNP-08876	c 17	N73-28573* #
NASA-CASE-XNP-00733	c 06	N70-34946* #	NASA-CASE-XNP-03378	c 03	N71-11051*	NASA-CASE-XNP-08877	c 15	N71-23025* #
NASA-CASE-XNP-00738	c 09	N70-38201* #	NASA-CASE-XNP-03413	c 03	N71-26726*	NASA-CASE-XNP-08880	c 09	N71-24808* #
NASA-CASE-XNP-00745	c 10	N71-28960*	NASA-CASE-XNP-03459-2	c 18	N71-15688*	NASA-CASE-XNP-08881	c 17	N71-28747* #
NASA-CASE-XNP-00746	c 07	N71-21476*	NASA-CASE-XNP-03459	c 15	N71-21078*	NASA-CASE-XNP-08882	c 15	N69-39395* #
NASA-CASE-XNP-00748	c 07	N70-36911* #	NASA-CASE-XNP-03578	c 11	N71-23030*	NASA-CASE-XNP-08883	c 23	N71-16101* #
NASA-CASE-XNP-00777	c 10	N71-19469*	NASA-CASE-XNP-03623	c 09	N73-28084*	NASA-CASE-XNP-08897	c 15	N71-17694* #
NASA-CASE-XNP-00816	c 28	N71-28928*	NASA-CASE-XNP-03637	c 15	N71-21311*	NASA-CASE-XNP-08907	c 23	N71-29123* #
NASA-CASE-XNP-00826	c 03	N71-20895*	NASA-CASE-XNP-03692	c 28	N71-24321*	NASA-CASE-XNP-08961	c 14	N71-24809* #
NASA-CASE-XNP-00840	c 15	N70-38225*	NASA-CASE-XNP-03744	c 10	N71-20448*	NASA-CASE-XNP-09205	c 14	N71-17657* #
NASA-CASE-XNP-00876	c 28	N70-41311*	NASA-CASE-XNP-03796	c 23	N71-15467*	NASA-CASE-XNP-09225	c 09	N69-24333* #
NASA-CASE-XNP-00911	c 08	N70-41961*	NASA-CASE-XNP-03835	c 06	N71-23499*	NASA-CASE-XNP-09227	c 15	N69-24319* #
NASA-CASE-XNP-00920	c 15	N71-15906*	NASA-CASE-XNP-03853	c 23	N71-21882*	NASA-CASE-XNP-09228	c 09	N69-27500* #
NASA-CASE-XNP-00952	c 10	N71-23271*	NASA-CASE-XNP-03878	c 26	N75-27127*	NASA-CASE-XNP-09450	c 10	N71-18723* #
NASA-CASE-XNP-01012	c 08	N71-28925*	NASA-CASE-XNP-03914	c 21	N71-10771*	NASA-CASE-XNP-09451	c 06	N71-26754* #
NASA-CASE-XNP-01020	c 03	N71-12260*	NASA-CASE-XNP-03916	c 09	N71-28810*	NASA-CASE-XNP-09452	c 15	N69-27504* #
NASA-CASE-XNP-01056	c 14	N71-23041*	NASA-CASE-XNP-03918	c 14	N71-23087*	NASA-CASE-XNP-09453	c 08	N71-19420* #
NASA-CASE-XNP-01057	c 07	N71-15907*	NASA-CASE-XNP-03930	c 14	N69-24331*	NASA-CASE-XNP-09461	c 28	N72-23809* #
NASA-CASE-XNP-01058	c 09	N71-12540*	NASA-CASE-XNP-03972	c 15	N71-23048*	NASA-CASE-XNP-09462	c 14	N71-17584* #
NASA-CASE-XNP-01059	c 23	N71-21821*	NASA-CASE-XNP-04023	c 06	N71-28808*	NASA-CASE-XNP-09469	c 24	N71-25555* #
NASA-CASE-XNP-01068	c 10	N71-28739*	NASA-CASE-XNP-04067	c 08	N71-22707*	NASA-CASE-XNP-09572	c 14	N71-15621* #
NASA-CASE-XNP-01104	c 28	N70-39931*	NASA-CASE-XNP-04111	c 14	N71-15622*	NASA-CASE-XNP-09698	c 15	N71-18580* #
NASA-CASE-XNP-01107	c 10	N71-28859*	NASA-CASE-XNP-04124	c 28	N71-21822*	NASA-CASE-XNP-09699	c 06	N71-24607* #
NASA-CASE-XNP-01152	c 15	N70-41811*	NASA-CASE-XNP-04148	c 17	N71-24830*	NASA-CASE-XNP-09701	c 14	N71-26475* #
NASA-CASE-XNP-01153	c 32	N71-17645*	NASA-CASE-XNP-04161	c 14	N71-15599*	NASA-CASE-XNP-09702	c 15	N71-17654* #
NASA-CASE-XNP-01185	c 26	N73-28710*	NASA-CASE-XNP-04162-1	c 08	N70-34675*	NASA-CASE-XNP-09704	c 12	N71-18615* #
NASA-CASE-XNP-01187	c 15	N73-28516*	NASA-CASE-XNP-04167-2	c 25	N72-24753*	NASA-CASE-XNP		

NASA-CASE-XNP-09752	c 14	N69-21541*	#	US-PATENT-APPL-SN-044429	c 33	N79-25314*	#	US-PATENT-APPL-SN-106188	c 27	N80-16163*	#
NASA-CASE-XNP-09755	c 46	N74-23069*	#	US-PATENT-APPL-SN-044431	c 33	N81-27395*	#	US-PATENT-APPL-SN-106192	c 33	N80-21671*	#
NASA-CASE-XNP-09759	c 08	N71-24891*	#	US-PATENT-APPL-SN-044432	c 52	N81-20703*	#	US-PATENT-APPL-SN-10624	c 17	N73-24569*	#
NASA-CASE-XNP-09763	c 14	N71-20461*	#	US-PATENT-APPL-SN-046739	c 54	N81-24724*	#	US-PATENT-APPL-SN-106465	c 30	N73-12884*	#
NASA-CASE-XNP-09768	c 09	N71-12516*	#	US-PATENT-APPL-SN-051269	c 33	N81-24338*	#	US-PATENT-APPL-SN-107298	c 32	N73-13921*	#
NASA-CASE-XNP-09770-2	c 15	N72-22483*	#	US-PATENT-APPL-SN-051270	c 32	N80-32604*	#	US-PATENT-APPL-SN-107376	c 15	N73-25513*	#
NASA-CASE-XNP-09770-3	c 11	N71-27036*	#	US-PATENT-APPL-SN-051271	c 33	N81-26359*	#	US-PATENT-APPL-SN-107379	c 10	N72-33230*	#
NASA-CASE-XNP-09770	c 15	N71-20440*	#	US-PATENT-APPL-SN-051274	c 34	N81-26402*	#	US-PATENT-APPL-SN-107380	c 28	N73-13773*	#
NASA-CASE-XNP-09771	c 09	N71-24841*	#	US-PATENT-APPL-SN-051275	c 44	N82-24640*	#	US-PATENT-APPL-SN-107659	c 23	N73-20741*	#
NASA-CASE-XNP-09775	c 09	N71-20445*	#	US-PATENT-APPL-SN-051276	c 33	N81-33404*	#	US-PATENT-APPL-SN-107866	c 17	N70-36616*	#
NASA-CASE-XNP-09776	c 09	N69-39929*	#	US-PATENT-APPL-SN-053566	c 09	N82-24212*	#	US-PATENT-APPL-SN-107870	c 15	N70-36411*	#
NASA-CASE-XNP-09785	c 08	N69-21928*	#	US-PATENT-APPL-SN-053569	c 35	N81-19426*	#	US-PATENT-APPL-SN-108107	c 37	N82-18601*	#
NASA-CASE-XNP-09802	c 33	N71-15641*	#	US-PATENT-APPL-SN-053571	c 31	N81-19343*	#	US-PATENT-APPL-SN-10812	c 28	N70-40367*	#
NASA-CASE-XNP-09808	c 09	N71-12518*	#	US-PATENT-APPL-SN-053572	c 32	N82-23376*	#	US-PATENT-APPL-SN-10827	c 14	N72-28436*	#
NASA-CASE-XNP-09830	c 14	N71-26266*	#	US-PATENT-APPL-SN-053652	c 33	N82-18494*	#	US-PATENT-APPL-SN-108810	c 33	N77-22386*	#
NASA-CASE-XNP-09832	c 30	N71-23723*	#	US-PATENT-APPL-SN-054501	c 23	N82-16174*	#	US-PATENT-APPL-SN-108824	c 31	N73-13898*	#
NASA-CASE-XNP-10007-1	c 46	N74-23068*	#	US-PATENT-APPL-SN-057465	c 37	N81-17433*	#	US-PATENT-APPL-SN-109789	c 09	N70-34596*	#
NASA-CASE-XNP-10475	c 15	N71-24679*	#	US-PATENT-APPL-SN-057466	c 71	N81-15767*	#	US-PATENT-APPL-SN-110402	c 09	N72-27226*	#
NASA-CASE-XNP-10830	c 07	N71-11281*	#	US-PATENT-APPL-SN-057526	c 52	N81-25662*	#	US-PATENT-APPL-SN-110591	c 15	N70-39896*	#
NASA-CASE-XNP-10843	c 07	N71-11267*	#	US-PATENT-APPL-SN-060435	c 44	N81-24520*	#	US-PATENT-APPL-SN-111436	c 33	N82-26569*	#
NASA-CASE-XNP-10854	c 10	N71-26331*	#	US-PATENT-APPL-SN-060449	c 07	N82-32366*	#	US-PATENT-APPL-SN-111438	c 35	N81-29407*	#
NASA-CASE-12761-1	c 74	N83-13982*	#	US-PATENT-APPL-SN-061555	c 32	N83-13323*	#	US-PATENT-APPL-SN-111439	c 74	N81-24900*	#
NASA-CASE-14864-1	c 74	N83-19597*	#	US-PATENT-APPL-SN-061556	c 44	N81-29524*	#	US-PATENT-APPL-SN-111998	c 21	N73-30640*	#
US-PATENT-APPL-SN-003693	c 52	N81-14612*	#	US-PATENT-APPL-SN-065676	c 35	N80-18364*	#	US-PATENT-APPL-SN-112988	c 07	N72-31216*	#
US-PATENT-APPL-SN-006952	c 27	N81-14077*	#	US-PATENT-APPL-SN-065676	c 44	N81-12542*	#	US-PATENT-APPL-SN-112998	c 14	N73-12445*	#
US-PATENT-APPL-SN-007083	c 26	N80-32484*	#	US-PATENT-APPL-SN-067595	c 08	N82-24205*	#	US-PATENT-APPL-SN-112999	c 23	N72-25619*	#
US-PATENT-APPL-SN-008207	c 32	N80-23524*	#	US-PATENT-APPL-SN-067596	c 51	N81-28698*	#	US-PATENT-APPL-SN-112999	c 32	N79-19186*	#
US-PATENT-APPL-SN-008208	c 37	N81-17432*	#	US-PATENT-APPL-SN-069485	c 33	N82-24420*	#	US-PATENT-APPL-SN-113014	c 27	N81-24257*	#
US-PATENT-APPL-SN-008209	c 32	N81-25278*	#	US-PATENT-APPL-SN-070366	c 35	N82-11431*	#	US-PATENT-APPL-SN-113015	c 37	N82-24491*	#
US-PATENT-APPL-SN-008210	c 05	N81-26114*	#	US-PATENT-APPL-SN-070771	c 27	N81-17260*	#	US-PATENT-APPL-SN-114772	c 04	N76-26175*	#
US-PATENT-APPL-SN-008211	c 74	N81-17887*	#	US-PATENT-APPL-SN-070774	c 33	N82-26571*	#	US-PATENT-APPL-SN-114846	c 14	N73-12444*	#
US-PATENT-APPL-SN-008212	c 44	N80-24741*	#	US-PATENT-APPL-SN-072857	c 24	N82-32417*	#	US-PATENT-APPL-SN-114847	c 15	N72-28496*	#
US-PATENT-APPL-SN-009886	c 31	N80-32583*	#	US-PATENT-APPL-SN-073477	c 36	N82-32712*	#	US-PATENT-APPL-SN-114848	c 11	N72-23215*	#
US-PATENT-APPL-SN-009887	c 28	N81-14103*	#	US-PATENT-APPL-SN-073579	c 33	N82-24415*	#	US-PATENT-APPL-SN-114849	c 09	N72-27227*	#
US-PATENT-APPL-SN-009888	c 37	N81-14320*	#	US-PATENT-APPL-SN-076643	c 32	N81-29308*	#	US-PATENT-APPL-SN-114873	c 09	N73-28083*	#
US-PATENT-APPL-SN-009889	c 33	N79-17134*	#	US-PATENT-APPL-SN-078521	c 32	N81-14186*	#	US-PATENT-APPL-SN-115082	c 18	N73-13562*	#
US-PATENT-APPL-SN-009889	c 33	N81-27398*	#	US-PATENT-APPL-SN-078611	c 04	N81-21047*	#	US-PATENT-APPL-SN-115083	c 07	N73-25160*	#
US-PATENT-APPL-SN-011737	c 27	N81-14078*	#	US-PATENT-APPL-SN-078612	c 46	N82-12685*	#	US-PATENT-APPL-SN-115134	c 06	N73-13128*	#
US-PATENT-APPL-SN-014663	c 31	N81-25259*	#	US-PATENT-APPL-SN-079913	c 05	N82-28279*	#	US-PATENT-APPL-SN-115536	c 33	N82-24417*	#
US-PATENT-APPL-SN-014664	c 44	N81-14389*	#	US-PATENT-APPL-SN-088663	c 28	N82-15001*	#	US-PATENT-APPL-SN-115944	c 03	N71-34044*	#
US-PATENT-APPL-SN-015983	c 02	N80-28300*	#	US-PATENT-APPL-SN-089779	c 26	N81-25188*	#	US-PATENT-APPL-SN-116777	c 09	N73-19235*	#
US-PATENT-APPL-SN-015995	c 08	N81-26152*	#	US-PATENT-APPL-SN-090584	c 74	N81-19896*	#	US-PATENT-APPL-SN-116778	c 09	N72-33205*	#
US-PATENT-APPL-SN-015996	c 08	N81-24106*	#	US-PATENT-APPL-SN-0914	c 28	N70-38711*	#	US-PATENT-APPL-SN-116786	c 07	N72-38602*	#
US-PATENT-APPL-SN-017885	c 32	N79-19195*	#	US-PATENT-APPL-SN-092141	c 27	N81-29229*	#	US-PATENT-APPL-SN-116790	c 14	N73-30388*	#
US-PATENT-APPL-SN-017886	c 33	N81-33405*	#	US-PATENT-APPL-SN-092142	c 27	N82-11206*	#	US-PATENT-APPL-SN-117575	c 08	N73-12177*	#
US-PATENT-APPL-SN-017887	c 33	N81-26358*	#	US-PATENT-APPL-SN-092143	c 32	N82-18443*	#	US-PATENT-APPL-SN-118169	c 14	N70-35720*	#
US-PATENT-APPL-SN-017888	c 51	N80-16715*	#	US-PATENT-APPL-SN-092145	c 37	N82-12442*	#	US-PATENT-APPL-SN-118200	c 15	N70-34247*	#
US-PATENT-APPL-SN-017889	c 02	N79-24958*	#	US-PATENT-APPL-SN-093714	c 44	N81-29525*	#	US-PATENT-APPL-SN-118202	c 28	N70-38710*	#
US-PATENT-APPL-SN-017890	c 33	N81-15192*	#	US-PATENT-APPL-SN-095217	c 74	N81-19898*	#	US-PATENT-APPL-SN-118203	c 14	N70-38602*	#
US-PATENT-APPL-SN-019541	c 02	N81-14968*	#	US-PATENT-APPL-SN-096255	c 37	N80-18400*	#	US-PATENT-APPL-SN-118269	c 33	N73-26958*	#
US-PATENT-APPL-SN-023436	c 07	N80-32392*	#	US-PATENT-APPL-SN-096255	c 37	N82-19540*	#	US-PATENT-APPL-SN-118270	c 09	N72-25260*	#
US-PATENT-APPL-SN-023437	c 62	N81-24779*	#	US-PATENT-APPL-SN-096257	c 37	N82-24490*	#	US-PATENT-APPL-SN-11853	c 15	N71-28951*	#
US-PATENT-APPL-SN-023439	c 54	N79-20746*	#	US-PATENT-APPL-SN-098568	c 33	N82-11357*	#	US-PATENT-APPL-SN-119282	c 03	N72-23048*	#
US-PATENT-APPL-SN-023439	c 37	N81-27519*	#	US-PATENT-APPL-SN-098569	c 44	N82-16744*	#	US-PATENT-APPL-SN-119334	c 26	N80-19237*	#
US-PATENT-APPL-SN-023484	c 33	N81-20352*	#	US-PATENT-APPL-SN-098570	c 44	N82-18686*	#	US-PATENT-APPL-SN-119335	c 37	N82-24449*	#
US-PATENT-APPL-SN-023485	c 33	N82-24418*	#	US-PATENT-APPL-SN-100611	c 37	N82-32732*	#	US-PATENT-APPL-SN-119336	c 33	N82-24421*	#
US-PATENT-APPL-SN-023501	c 26	N80-28492*	#	US-PATENT-APPL-SN-100637	c 37	N75-18574*	#	US-PATENT-APPL-SN-119337	c 24	N81-33235*	#
US-PATENT-APPL-SN-025162	c 35	N81-14287*	#	US-PATENT-APPL-SN-100639	c 14	N82-32452*	#	US-PATENT-APPL-SN-119339	c 36	N82-28616*	#
US-PATENT-APPL-SN-025163	c 74	N80-33210*	#	US-PATENT-APPL-SN-100774	c 06	N72-25151*	#	US-PATENT-APPL-SN-119340	c 35	N82-11432*	#
US-PATENT-APPL-SN-025301	c 07	N82-26293*	#	US-PATENT-APPL-SN-100774	c 06	N73-32030*	#	US-PATENT-APPL-SN-120241	c 15	N73-24513*	#
US-PATENT-APPL-SN-027557	c 27	N81-19296*	#	US-PATENT-APPL-SN-100996	c 08	N73-13187*	#	US-PATENT-APPL-SN-120795	c 07	N70-40202*	#
US-PATENT-APPL-SN-027558	c 36	N81-24422*	#	US-PATENT-APPL-SN-101029	c 31	N70-38676*	#	US-PATENT-APPL-SN-120797	c 14	N70-36824*	#
US-PATENT-APPL-SN-027559	c 44	N81-17518*	#	US-PATENT-APPL-SN-101214	c 14	N73-26430*	#	US-PATENT-APPL-SN-120803	c 08	N70-34743*	#
US-PATENT-APPL-SN-028300	c 27	N81-17259*	#	US-PATENT-APPL-SN-101354	c 10	N73-16205*	#	US-PATENT-APPL-SN-121238	c 23	N72-11568*	#
US-PATENT-APPL-SN-028301	c 27	N81-17262*	#	US-PATENT-APPL-SN-101611	c 33	N72-20915*	#	US-PATENT-APPL-SN-122965	c 35	N81-26431*	#
US-PATENT-APPL-SN-028301	c 27	N81-24256*	#	US-PATENT-APPL-SN-102001	c 36	N82-16396*	#	US-PATENT-APPL-SN-122966	c 33	N80-19425*	#
US-PATENT-APPL-SN-030831	c 27	N82-24338*	#	US-PATENT-APPL-SN-102002	c 18	N81-29152*	#	US-PATENT-APPL-SN-122966	c 33	N82-26568*	#
US-PATENT-APPL-SN-030831	c 25	N82-23282*	#	US-PATENT-APPL-SN-102003	c 26	N82-29415*	#	US-PATENT-APPL-SN-122967	c 24	N81-26179*	#
US-PATENT-APPL-SN-030964	c 74	N79-25876*	#	US-PATENT-APPL-SN-102003	c 26	N82-30371*	#	US-PATENT-APPL-SN-123253	c 10	N73-12244*	#
US-PATENT-APPL-SN-032305	c 15	N82-24272*	#	US-PATENT-APPL-SN-102004	c 37	N81-26447*	#	US-PATENT-APPL-SN-123597	c 21	N70-34297*	#
US-PATENT-APPL-SN-032307	c 44	N81-24519*	#	US-PATENT-APPL-SN-102412	c 25	N72-33696*	#	US-PATENT-APPL-SN-124909	c 14	N73-16483*	#
US-PATENT-APPL-SN-034104	c 08	N81-19130*	#	US-PATENT-APPL-SN-102593	c 37	N82-16408*	#	US-PATENT-APPL-SN-125234	c 07	N73-16121*	#
US-PATENT-APPL-SN-034529	c 24	N79-23142*	#	US-PATENT-APPL-SN-103077	c 25	N72-32688*	#	US-PATENT-APPL-SN-125235	c 51	N77-25769*	#
US-PATENT-APPL-SN-034531	c 52	N81-28740*	#	US-PATENT-APPL-SN-103078	c 15	N73-12486*	#	US-PATENT-APPL-SN-125236	c 14	N73-26431*	#
US-PATENT-APPL-SN-037066	c 25	N81-14016*	#	US-PATENT-APPL-SN-103091	c 37	N74-23070*	#	US-PATENT-APPL-SN-125979	c 09	N72-25255*	#
US-PATENT-APPL-SN-037072	c 31	N81-33319*	#	US-PATENT-APPL-SN-103229	c 14	N72-22439*	#	US-PATENT-APPL-SN-126063	c 44	N83-10501*	#
US-PATENT-APPL-SN-037194	c 37	N79-23431*	#	US-PATENT-APPL-SN-103230	c 15	N73-14468*	#	US-PATENT-APPL-SN-126064	c 33	N82-18493*	#

US-PATENT-APPL-SN-129778	c 60	N82-24839*	#	US-PATENT-APPL-SN-150040	c 36	N82-29589*	#	US-PATENT-APPL-SN-172099	c 32	N82-27558*	#
US-PATENT-APPL-SN-129779	c 60	N82-16747*	#	US-PATENT-APPL-SN-150115	c 44	N82-16475*	#	US-PATENT-APPL-SN-172100	c 27	N82-33520*	#
US-PATENT-APPL-SN-129780	c 44	N82-24639*	#	US-PATENT-APPL-SN-15019	c 15	N72-17455*	#	US-PATENT-APPL-SN-172459	c 06	N73-16106*	#
US-PATENT-APPL-SN-129783	c 04	N82-23231*	#	US-PATENT-APPL-SN-15020	c 14	N70-34697*	#	US-PATENT-APPL-SN-172727	c 33	N81-26360*	#
US-PATENT-APPL-SN-129793	c 33	N82-16340*	#	US-PATENT-APPL-SN-150215	c 33	N73-25952*	#	US-PATENT-APPL-SN-172807	c 07	N73-28012*	#
US-PATENT-APPL-SN-129798	c 27	N81-27271*	#	US-PATENT-APPL-SN-15022	c 15	N72-21465*	#	US-PATENT-APPL-SN-173081	c 28	N70-36808*	#
US-PATENT-APPL-SN-129799	c 27	N82-18389*	#	US-PATENT-APPL-SN-15023	c 15	N70-34699*	#	US-PATENT-APPL-SN-173178	c 33	N77-21315*	#
US-PATENT-APPL-SN-130535	c 31	N73-14853*	#	US-PATENT-APPL-SN-15024	c 09	N72-21245*	#	US-PATENT-APPL-SN-173185	c 23	N73-13660*	#
US-PATENT-APPL-SN-130496	c 36	N83-10417*	#	US-PATENT-APPL-SN-15025	c 03	N72-20033*	#	US-PATENT-APPL-SN-173190	c 05	N73-32015*	#
US-PATENT-APPL-SN-132364	c 07	N83-14130*	#	US-PATENT-APPL-SN-150690	c 35	N79-33450*	#	US-PATENT-APPL-SN-173518	c 60	N82-29013*	#
US-PATENT-APPL-SN-13266	c 05	N72-20385*	#	US-PATENT-APPL-SN-151112	c 15	N70-34814*	#	US-PATENT-APPL-SN-173519	c 44	N82-26776*	#
US-PATENT-APPL-SN-134479	c 14	N70-33179*	#	US-PATENT-APPL-SN-151114	c 31	N70-34176*	#	US-PATENT-APPL-SN-173520	c 37	N80-29705*	#
US-PATENT-APPL-SN-134481	c 11	N70-34815*	#	US-PATENT-APPL-SN-151411	c 07	N73-26118*	#	US-PATENT-APPL-SN-173524	c 35	N82-32659*	#
US-PATENT-APPL-SN-134567	c 14	N73-16484*	#	US-PATENT-APPL-SN-151412	c 09	N73-32112*	#	US-PATENT-APPL-SN-173981	c 14	N70-35666*	#
US-PATENT-APPL-SN-134568	c 06	N72-31141*	#	US-PATENT-APPL-SN-151413	c 14	N73-12447*	#	US-PATENT-APPL-SN-174684	c 33	N75-31331*	#
US-PATENT-APPL-SN-134571	c 21	N73-13644*	#	US-PATENT-APPL-SN-151598	c 03	N70-34134*	#	US-PATENT-APPL-SN-175267	c 14	N73-28485*	#
US-PATENT-APPL-SN-134573	c 09	N72-25257*	#	US-PATENT-APPL-SN-15222	c 18	N72-25539*	#	US-PATENT-APPL-SN-175452	c 27	N81-27272*	#
US-PATENT-APPL-SN-134619	c 35	N79-33449*	#	US-PATENT-APPL-SN-152328	c 02	N74-20646*	#	US-PATENT-APPL-SN-175453	c 85	N82-33288*	#
US-PATENT-APPL-SN-134658	c 15	N73-28515*	#	US-PATENT-APPL-SN-152849	c 15	N73-30457*	#	US-PATENT-APPL-SN-175497	c 08	N73-28045*	#
US-PATENT-APPL-SN-134782	c 09	N70-36494*	#	US-PATENT-APPL-SN-153240	c 33	N80-26601*	#	US-PATENT-APPL-SN-175852	c 25	N73-25760*	#
US-PATENT-APPL-SN-134855	c 44	N81-24521*	#	US-PATENT-APPL-SN-153245	c 74	N81-12862*	#	US-PATENT-APPL-SN-175881	c 09	N73-15235*	#
US-PATENT-APPL-SN-135038	c 35	N80-21723*	#	US-PATENT-APPL-SN-153246	c 52	N82-29863*	#	US-PATENT-APPL-SN-175981	c 16	N73-30476*	#
US-PATENT-APPL-SN-135039	c 33	N82-24416*	#	US-PATENT-APPL-SN-153266	c 02	N70-38011*	#	US-PATENT-APPL-SN-175983	c 31	N73-32750*	#
US-PATENT-APPL-SN-135040	c 09	N82-11088*	#	US-PATENT-APPL-SN-153542	c 28	N73-32606*	#	US-PATENT-APPL-SN-177684	c 28	N70-34860*	#
US-PATENT-APPL-SN-135056	c 37	N81-33483*	#	US-PATENT-APPL-SN-153543	c 08	N73-26176*	#	US-PATENT-APPL-SN-177753	c 07	N72-20154*	#
US-PATENT-APPL-SN-135057	c 08	N82-32373*	#	US-PATENT-APPL-SN-153624	c 37	N75-27376*	#	US-PATENT-APPL-SN-177985	c 35	N74-15831*	#
US-PATENT-APPL-SN-135058	c 25	N82-26398*	#	US-PATENT-APPL-SN-154094	c 33	N72-27959*	#	US-PATENT-APPL-SN-178192	c 25	N80-31490*	#
US-PATENT-APPL-SN-136006	c 09	N72-28225*	#	US-PATENT-APPL-SN-154663	c 02	N81-26073*	#	US-PATENT-APPL-SN-178193	c 52	N82-29862*	#
US-PATENT-APPL-SN-136007	c 09	N71-34212*	#	US-PATENT-APPL-SN-154663	c 09	N82-29330*	#	US-PATENT-APPL-SN-179195	c 35	N82-24470*	#
US-PATENT-APPL-SN-136008	c 27	N74-13270*	#	US-PATENT-APPL-SN-154725	c 37	N82-24493*	#	US-PATENT-APPL-SN-179213	c 25	N70-33267*	#
US-PATENT-APPL-SN-136085	c 17	N73-12547*	#	US-PATENT-APPL-SN-154726	c 25	N81-25159*	#	US-PATENT-APPL-SN-179215	c 25	N70-34661*	#
US-PATENT-APPL-SN-136086	c 15	N73-19457*	#	US-PATENT-APPL-SN-154930	c 44	N76-14600*	#	US-PATENT-APPL-SN-179721	c 03	N70-35408*	#
US-PATENT-APPL-SN-136253	c 28	N72-20767*	#	US-PATENT-APPL-SN-154933	c 14	N73-25463*	#	US-PATENT-APPL-SN-179771	c 23	N75-14834*	#
US-PATENT-APPL-SN-136253	c 27	N74-12814*	#	US-PATENT-APPL-SN-154935	c 11	N72-27262*	#	US-PATENT-APPL-SN-180230	c 33	N83-18996*	#
US-PATENT-APPL-SN-136660	c 24	N80-22410*	#	US-PATENT-APPL-SN-155555	c 08	N73-25206*	#	US-PATENT-APPL-SN-180370	c 28	N70-33375*	#
US-PATENT-APPL-SN-137391	c 36	N75-31426*	#	US-PATENT-APPL-SN-155584	c 09	N70-40123*	#	US-PATENT-APPL-SN-180374	c 28	N70-38181*	#
US-PATENT-APPL-SN-137912	c 06	N72-21105*	#	US-PATENT-APPL-SN-155595	c 26	N73-28710*	#	US-PATENT-APPL-SN-180377	c 15	N70-36908*	#
US-PATENT-APPL-SN-138227	c 26	N72-27784*	#	US-PATENT-APPL-SN-155596	c 15	N73-32361*	#	US-PATENT-APPL-SN-180379	c 21	N70-35395*	#
US-PATENT-APPL-SN-138229	c 15	N72-32487*	#	US-PATENT-APPL-SN-155598	c 15	N73-28516*	#	US-PATENT-APPL-SN-180380	c 09	N70-38998*	#
US-PATENT-APPL-SN-138230	c 32	N73-20740*	#	US-PATENT-APPL-SN-156724	c 21	N73-13643*	#	US-PATENT-APPL-SN-180381	c 21	N70-35089*	#
US-PATENT-APPL-SN-138944	c 37	N82-26672*	#	US-PATENT-APPL-SN-156725	c 14	N73-27377*	#	US-PATENT-APPL-SN-180382	c 28	N70-38645*	#
US-PATENT-APPL-SN-139006	c 09	N70-38604*	#	US-PATENT-APPL-SN-156778	c 17	N72-28535*	#	US-PATENT-APPL-SN-180384	c 11	N70-38675*	#
US-PATENT-APPL-SN-139007	c 28	N70-37245*	#	US-PATENT-APPL-SN-156790	c 25	N82-29371*	#	US-PATENT-APPL-SN-180391	c 28	N70-38249*	#
US-PATENT-APPL-SN-139012	c 03	N70-38713*	#	US-PATENT-APPL-SN-157150	c 37	N80-26659*	#	US-PATENT-APPL-SN-180392	c 09	N71-13530*	#
US-PATENT-APPL-SN-139094	c 05	N70-32011*	#	US-PATENT-APPL-SN-158183	c 32	N80-26571*	#	US-PATENT-APPL-SN-180394	c 15	N70-38603*	#
US-PATENT-APPL-SN-139250	c 04	N73-27052*	#	US-PATENT-APPL-SN-158530	c 27	N83-19900*	#	US-PATENT-APPL-SN-180395	c 15	N70-36947*	#
US-PATENT-APPL-SN-139528	c 03	N72-25020*	#	US-PATENT-APPL-SN-158914	c 11	N70-36913*	#	US-PATENT-APPL-SN-180396	c 11	N70-38202*	#
US-PATENT-APPL-SN-139596	c 33	N77-13135*	#	US-PATENT-APPL-SN-158916	c 05	N70-41819*	#	US-PATENT-APPL-SN-180473	c 28	N73-27699*	#
US-PATENT-APPL-SN-140439	c 33	N75-19518*	#	US-PATENT-APPL-SN-159804	c 11	N70-38196*	#	US-PATENT-APPL-SN-180683	c 10	N73-25241*	#
US-PATENT-APPL-SN-140443	c 09	N70-35219*	#	US-PATENT-APPL-SN-159857	c 05	N73-26072*	#	US-PATENT-APPL-SN-180963	c 14	N73-27378*	#
US-PATENT-APPL-SN-140509	c 09	N70-35382*	#	US-PATENT-APPL-SN-159966	c 31	N73-26876*	#	US-PATENT-APPL-SN-181023	c 15	N73-26472*	#
US-PATENT-APPL-SN-140946	c 18	N73-26572*	#	US-PATENT-APPL-SN-160093	c 04	N78-17031*	#	US-PATENT-APPL-SN-181024	c 07	N73-26117*	#
US-PATENT-APPL-SN-140946	c 27	N74-27037*	#	US-PATENT-APPL-SN-160859	c 32	N73-26910*	#	US-PATENT-APPL-SN-181828	c 02	N70-34858*	#
US-PATENT-APPL-SN-141220	c 33	N70-37979*	#	US-PATENT-APPL-SN-160860	c 18	N73-32437*	#	US-PATENT-APPL-SN-181829	c 31	N70-38010*	#
US-PATENT-APPL-SN-142583	c 37	N79-33469*	#	US-PATENT-APPL-SN-161028	c 14	N73-19420*	#	US-PATENT-APPL-SN-182033	c 33	N73-27796*	#
US-PATENT-APPL-SN-142662	c 23	N73-13661*	#	US-PATENT-APPL-SN-161253	c 27	N80-26447*	#	US-PATENT-APPL-SN-182399	c 07	N73-28013*	#
US-PATENT-APPL-SN-142719	c 14	N73-14429*	#	US-PATENT-APPL-SN-161254	c 27	N82-28441*	#	US-PATENT-APPL-SN-182692	c 15	N70-36535*	#
US-PATENT-APPL-SN-143078	c 08	N72-33172*	#	US-PATENT-APPL-SN-161255	c 28	N82-24280*	#	US-PATENT-APPL-SN-182696	c 21	N70-36938*	#
US-PATENT-APPL-SN-143508	c 33	N74-12913*	#	US-PATENT-APPL-SN-161256	c 44	N82-32841*	#	US-PATENT-APPL-SN-182698	c 15	N70-38620*	#
US-PATENT-APPL-SN-144139	c 11	N73-26238*	#	US-PATENT-APPL-SN-161257	c 37	N80-26660*	#	US-PATENT-APPL-SN-182699	c 28	N70-38504*	#
US-PATENT-APPL-SN-144803	c 11	N70-34844*	#	US-PATENT-APPL-SN-162100	c 33	N74-14939*	#	US-PATENT-APPL-SN-182879	c 37	N82-32730*	#
US-PATENT-APPL-SN-144804	c 14	N70-39898*	#	US-PATENT-APPL-SN-162101	c 14	N70-26447*	#	US-PATENT-APPL-SN-182880	c 37	N83-19091*	#
US-PATENT-APPL-SN-144888	c 09	N70-38995*	#	US-PATENT-APPL-SN-162230	c 26	N72-28761*	#	US-PATENT-APPL-SN-182881	c 18	N81-12156*	#
US-PATENT-APPL-SN-144958	c 09	N72-20206*	#	US-PATENT-APPL-SN-162380	c 36	N72-21091*	#	US-PATENT-APPL-SN-182977	c 39	N74-13131*	#
US-PATENT-APPL-SN-145007	c 18	N70-36400*	#	US-PATENT-APPL-SN-163151	c 74	N75-25706*	#	US-PATENT-APPL-SN-182978	c 16	N73-13489*	#
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US-PATENT-APPL-SN-244440	c 14	N73-32320* #	US-PATENT-APPL-SN-263828	c 34	N83-19015* #	US-PATENT-APPL-SN-280580	c 12	N71-21089* #
US-PATENT-APPL-SN-244519	c 37	N74-18125* #	US-PATENT-APPL-SN-263829	c 05	N81-32138* #	US-PATENT-APPL-SN-280776	c 14	N70-40273* #
US-PATENT-APPL-SN-244523	c 31	N73-30829* #	US-PATENT-APPL-SN-263830	c 44	N81-32609* #	US-PATENT-APPL-SN-280777	c 08	N70-41961* #
US-PATENT-APPL-SN-244566	c 74	N74-20008* #	US-PATENT-APPL-SN-263957	c 52	N81-26697* #	US-PATENT-APPL-SN-281069	c 14	N70-35394* #
US-PATENT-APPL-SN-245063	c 33	N74-11049* #	US-PATENT-APPL-SN-264268	c 31	N78-17238* #	US-PATENT-APPL-SN-28175	c 21	N70-33279* #
US-PATENT-APPL-SN-245279	c 25	N74-30502* #	US-PATENT-APPL-SN-264378	c 24	N83-10117* #	US-PATENT-APPL-SN-281875	c 25	N74-18551* #
US-PATENT-APPL-SN-245571	c 07	N83-14129* #	US-PATENT-APPL-SN-264380	c 44	N83-14692* #	US-PATENT-APPL-SN-281876	c 52	N74-20726* #
US-PATENT-APPL-SN-245941	c 33	N71-17897* #	US-PATENT-APPL-SN-264381	c 52	N81-29768* #	US-PATENT-APPL-SN-281877	c 35	N74-15146* #
US-PATENT-APPL-SN-246056	c 38	N74-15395* #	US-PATENT-APPL-SN-264728	c 30	N70-40016* #	US-PATENT-APPL-SN-281908	c 25	N75-12086* #
US-PATENT-APPL-SN-246299	c 27	N82-29545* #	US-PATENT-APPL-SN-264729	c 33	N70-34540* #	US-PATENT-APPL-SN-282129	c 24	N81-29164* #
US-PATENT-APPL-SN-246295	c 27	N82-29452* #	US-PATENT-APPL-SN-264731	c 09	N70-41655* #	US-PATENT-APPL-SN-282191	c 35	N81-31529* #
US-PATENT-APPL-SN-246772	c 44	N83-10494* #	US-PATENT-APPL-SN-264735	c 28	N70-33265* #	US-PATENT-APPL-SN-282192	c 74	N83-21949* #
US-PATENT-APPL-SN-246773	c 35	N81-24413* #	US-PATENT-APPL-SN-264736	c 28	N70-36802* #	US-PATENT-APPL-SN-282298	c 44	N81-29531* #
US-PATENT-APPL-SN-246774	c 34	N81-24384* #	US-PATENT-APPL-SN-265673	c 31	N72-22874* #	US-PATENT-APPL-SN-28233	c 10	N72-17171* #
US-PATENT-APPL-SN-246777	c 35	N81-24414* #	US-PATENT-APPL-SN-266107	c 11	N71-15925* #	US-PATENT-APPL-SN-282817	c 15	N70-40158* #
US-PATENT-APPL-SN-246778	c 36	N81-24426* #	US-PATENT-APPL-SN-266253	c 04	N81-26085* #	US-PATENT-APPL-SN-282818	c 14	N71-14996* #
US-PATENT-APPL-SN-246779	c 36	N81-24425* #	US-PATENT-APPL-SN-266254	c 24	N83-13172* #	US-PATENT-APPL-SN-283502	c 37	N74-21060* #
US-PATENT-APPL-SN-247055	c 37	N74-11300* #	US-PATENT-APPL-SN-266255	c 25	N81-26203* #	US-PATENT-APPL-SN-284245	c 33	N74-17928* #
US-PATENT-APPL-SN-247090	c 37	N74-18128* #	US-PATENT-APPL-SN-266256	c 24	N83-13171* #	US-PATENT-APPL-SN-284265	c 14	N70-34799* #
US-PATENT-APPL-SN-247136	c 14	N71-30265* #	US-PATENT-APPL-SN-266687	c 32	N81-29312* #	US-PATENT-APPL-SN-284266	c 15	N71-16077* #
US-PATENT-APPL-SN-247419	c 14	N70-36907* #	US-PATENT-APPL-SN-266688	c 37	N81-29442* #	US-PATENT-APPL-SN-284286	c 44	N82-10496* #
US-PATENT-APPL-SN-247423	c 01	N71-13410* #	US-PATENT-APPL-SN-266771	c 37	N74-18127* #	US-PATENT-APPL-SN-284287	c 32	N82-10286* #
US-PATENT-APPL-SN-247434	c 25	N76-29379* #	US-PATENT-APPL-SN-266820	c 07	N74-31270* #	US-PATENT-APPL-SN-284288	c 33	N81-29347* #
US-PATENT-APPL-SN-247434	c 25	N76-27383* #	US-PATENT-APPL-SN-266822	c 32	N74-10132* #	US-PATENT-APPL-SN-284289	c 18	N82-10106* #
US-PATENT-APPL-SN-247481	c 05	N73-26071* #	US-PATENT-APPL-SN-266832	c 33	N74-10195* #	US-PATENT-APPL-SN-284290	c 33	N81-32391* #
US-PATENT-APPL-SN-248469	c 14	N73-32318* #	US-PATENT-APPL-SN-266866	c 33	N73-32818* #	US-PATENT-APPL-SN-284313	c 31	N82-25401* #
US-PATENT-APPL-SN-248471	c 31	N74-27902* #	US-PATENT-APPL-SN-266899	c 60	N74-12888* #	US-PATENT-APPL-SN-284314	c 33	N81-31482* #
US-PATENT-APPL-SN-248744	c 05	N83-19737* #	US-PATENT-APPL-SN-266911	c 36	N74-20009* #	US-PATENT-APPL-SN-285194	c 28	N82-25394* #
US-PATENT-APPL-SN-248745	c 18	N81-24164* #	US-PATENT-APPL-SN-266912	c 32	N74-19788* #	US-PATENT-APPL-SN-285705	c 37	N74-21056* #
US-PATENT-APPL-SN-248746	c 37	N81-24446* #	US-PATENT-APPL-SN-266913	c 31	N74-23065* #	US-PATENT-APPL-SN-286620	c 15	N71-30028* #
US-PATENT-APPL-SN-248761	c 15	N74-27360* #	US-PATENT-APPL-SN-266925	c 54	N74-17853* #	US-PATENT-APPL-SN-286824	c 44	N79-19447* #
US-PATENT-APPL-SN-248985	c 03	N71-29129* #	US-PATENT-APPL-SN-266928	c 26	N74-10521* #	US-PATENT-APPL-SN-287149	c 35	N74-32878* #
US-PATENT-APPL-SN-249304	c 09	N81-27121* #	US-PATENT-APPL-SN-266930	c 54	N74-12779* #	US-PATENT-APPL-SN-287150	c 37	N74-21065* #
US-PATENT-APPL-SN-249537	c 14	N71-10797* #	US-PATENT-APPL-SN-266940	c 32	N74-32598* #	US-PATENT-APPL-SN-288267	c 27	N81-31364* #
US-PATENT-APPL-SN-249539	c 28	N71-15658* #	US-PATENT-APPL-SN-266943	c 72	N74-19310* #	US-PATENT-APPL-SN-288434	c 33	N81-31483* #
US-PATENT-APPL-SN-249540	c 15	N70-34861* #	US-PATENT-APPL-SN-267178	c 74	N82-10862* #	US-PATENT-APPL-SN-288847	c 33	N74-27862* #
US-PATENT-APPL-SN-249542	c 28	N70-41576* #	US-PATENT-APPL-SN-267179	c 54	N81-31848* #	US-PATENT-APPL-SN-288856	c 33	N74-20859* #
US-PATENT-APPL-SN-250561	c 08	N70-34787* #	US-PATENT-APPL-SN-267572	c 73	N74-26767* #	US-PATENT-APPL-SN-288857	c 14	N73-33361* #
US-PATENT-APPL-SN-250567	c 33	N71-24876* #	US-PATENT-APPL-SN-267668	c 70	N74-21300* #	US-PATENT-APPL-SN-289017	c 37	N74-27905* #
US-PATENT-APPL-SN-250568	c 62	N83-20634* #	US-PATENT-APPL-SN-267862	c 33	N74-21851* #	US-PATENT-APPL-SN-289018	c 08	N74-30421* #
US-PATENT-APPL-SN-250766	c 07	N73-30115* #	US-PATENT-APPL-SN-267935	c 71	N83-17235* #	US-PATENT-APPL-SN-289033	c 15	N73-32358* #
US-PATENT-APPL-SN-250794	c 31	N71-15664* #	US-PATENT-APPL-SN-269073	c 52	N74-26625* #	US-PATENT-APPL-SN-289033	c 37	N74-21055* #
US-PATENT-APPL-SN-251009	c 33	N81-24348* #	US-PATENT-APPL-SN-269212	c 07	N71-10773* #	US-PATENT-APPL-SN-289048	c 37	N74-21057* #
US-PATENT-APPL-SN-251449	c 07	N70-40063* #	US-PATENT-APPL-SN-269215	c 14	N70-41332* #	US-PATENT-APPL-SN-289049	c 19	N74-15089* #
US-PATENT-APPL-SN-251451	c 09	N70-35425* #	US-PATENT-APPL-SN-269222	c 15	N70-38225* #	US-PATENT-APPL-SN-289050	c 20	N74-32919* #
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US-PATENT-APPL-SN-251621	c 16	N73-32391* #	US-PATENT-APPL-SN-270118	c 33	N71-17610* #	US-PATENT-APPL-SN-290022	c 09	N73-12214* #
US-PATENT-APPL-SN-251752	c 24	N74-30001* #	US-PATENT-APPL-SN-270762	c 37	N81-31551* #	US-PATENT-APPL-SN-290030	c 33	N74-12887* #
US-PATENT-APPL-SN-251755	c 28	N70-39895* #	US-PATENT-APPL-SN-270763	c 36	N82-24485* #	US-PATENT-APPL-SN-290043	c 18	N75-27040* #
US-PATENT-APPL-SN-252259	c 33	N70-34545* #	US-PATENT-APPL-SN-271821	c 15	N71-10778* #	US-PATENT-APPL-SN-290867	c 28	N70-39391* #
US-PATENT-APPL-SN-253249	c 33	N74-11050* #	US-PATENT-APPL-SN-271822	c 15	N71-15967* #	US-PATENT-APPL-SN-290868	c 31	N70-34966* #
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US-PATENT-APPL-SN-253774	c 25	N70-36946* #	US-PATENT-APPL-SN-271951	c 35	N74-15092* #	US-PATENT-APPL-SN-290915	c 32	N74-11000* #
US-PATENT-APPL-SN-254173	c 35	N75-13213* #	US-PATENT-APPL-SN-272152	c 44	N81-27161* #	US-PATENT-APPL-SN-291131	c 33	N81-31481* #
US-PATENT-APPL-SN-254177	c 10	N73-26230* #	US-PATENT-APPL-SN-272233	c 44	N81-27615* #	US-PATENT-APPL-SN-291132	c 33	N81-31480* #
US-PATENT-APPL-SN-254323	c 35	N76-15434* #	US-PATENT-APPL-SN-272234	c 25	N83-13188* #	US-PATENT-APPL-SN-291644	c 35	N82-11436* #
US-PATENT-APPL-SN-254575	c 25	N83-10128* #	US-PATENT-APPL-SN-272234	c 27	N83-15465* #	US-PATENT-APPL-SN-291645	c 60	N82-11785* #
US-PATENT-APPL-SN-254688	c 52	N81-24717* #	US-PATENT-APPL-SN-272406	c 44	N81-27597* #	US-PATENT-APPL-SN-291845	c 52	N74-27566* #
US-PATENT-APPL-SN-254847	c 15	N71-22874* #	US-PATENT-APPL-SN-272407	c 52	N83-21785* #	US-PATENT-APPL-SN-292340	c 52	N74-21750* #
US-PATENT-APPL-SN-254847	c 08	N78-21197* #	US-PATENT-APPL-SN-272837	c 71	N81-27887* #	US-PATENT-APPL-SN-292382	c 27	N74-17283* #
US-PATENT-APPL-SN-254888	c 08	N72-25206* #	US-PATENT-APPL-SN-272838	c 33	N82-25440* #	US-PATENT-APPL-SN-292477	c 15	N73-12495* #
US-PATENT-APPL-SN-255132	c 14	N71-15598* #	US-PATENT-APPL-SN-272839	c 33	N82-11359* #	US-PATENT-APPL-SN-292596	c 10	N71-29135* #
US-PATENT-APPL-SN-256317	c 52	N74-26626* #	US-PATENT-APPL-SN-273222	c 33	N74-27683* #	US-PATENT-APPL-SN-292681	c 33	N74-10194* #
US-PATENT-APPL-SN-256484	c 06	N70-34946* #	US-PATENT-APPL-SN-273240	c 35	N74-16135* #	US-PATENT-APPL-SN-292682	c 14	N73-32319* #
US-PATENT-APPL-SN-256493	c 20	N77-17143* #	US-PATENT-APPL-SN-274705	c 15	N72-20422* #	US-PATENT-APPL-SN-292685	c 32	N74-20864* #
US-PATENT-APPL-SN-257346	c 15	N70-36901* #	US-PATENT-APPL-SN-275319	c 35	N75-25122* #	US-PATENT-APPL-SN-292686	c 20	N74-31269* #
US-PATENT-APPL-SN-258152	c 35	N74-15090* #	US-PATENT-APPL-SN-275354	c 09	N70-38712* #	US-PATENT-APPL-SN-292698	c 09	N73-32109* #
US-PATENT-APPL-SN-258171	c 34	N74-27744* #	US-PATENT-APPL-SN-276065	c 16	N71-28963* #	US-PATENT-APPL-SN-293412	c 27	N74-10227* #
US-PATENT-APPL-SN-258331	c 03	N73-31988* #	US-PATENT					

US-PATENT-APPL-SN-297436	c 33	N79-11314*	#	US-PATENT-APPL-SN-315587	c 28	N82-12240*	#	US-PATENT-APPL-SN-334678	c 11	N71-10777*	#
US-PATENT-APPL-SN-297486	c 34	N82-10359*	#	US-PATENT-APPL-SN-315588	c 05	N82-18203*	#	US-PATENT-APPL-SN-335036	c 25	N82-25335*	#
US-PATENT-APPL-SN-297488	c 34	N82-24448*	#	US-PATENT-APPL-SN-316477	c 18	N71-10772*	#	US-PATENT-APPL-SN-335201	c 33	N74-17927*	#
US-PATENT-APPL-SN-297524	c 33	N82-12349*	#	US-PATENT-APPL-SN-316618	c 07	N74-15453*	#	US-PATENT-APPL-SN-33535	c 06	N72-17093*	#
US-PATENT-APPL-SN-298156	c 37	N75-13261*	#	US-PATENT-APPL-SN-31702	c 16	N79-16536*	#	US-PATENT-APPL-SN-335441	c 14	N71-23268*	
US-PATENT-APPL-SN-298156	c 26	N75-19408*	#	US-PATENT-APPL-SN-31703	c 09	N72-21244*	#	US-PATENT-APPL-SN-336103	c 16	N71-15550*	
US-PATENT-APPL-SN-298157	c 33	N74-21850*	#	US-PATENT-APPL-SN-317310	c 36	N77-25502*	#	US-PATENT-APPL-SN-336319	c 44	N74-33379*	#
US-PATENT-APPL-SN-298799	c 14	N71-15962*	#	US-PATENT-APPL-SN-317389	c 18	N70-41583*	#	US-PATENT-APPL-SN-336320	c 15	N71-15966*	
US-PATENT-APPL-SN-298800	c 14	N70-34705*	#	US-PATENT-APPL-SN-317391	c 15	N71-15968*	#	US-PATENT-APPL-SN-336607	c 10	N71-15910*	
US-PATENT-APPL-SN-299042	c 15	N71-15918*	#	US-PATENT-APPL-SN-317567	c 36	N75-15029*	#	US-PATENT-APPL-SN-336608	c 32	N71-17645*	
US-PATENT-APPL-SN-29917	c 15	N73-13465*	#	US-PATENT-APPL-SN-317977	c 25	N82-12168*	#	US-PATENT-APPL-SN-337487	c 33	N74-26977*	#
US-PATENT-APPL-SN-29917	c 26	N74-10521*	#	US-PATENT-APPL-SN-318151	c 75	N74-30156*	#	US-PATENT-APPL-SN-337816	c 35	N75-15931*	#
US-PATENT-APPL-SN-29917	c 37	N74-13179*	#	US-PATENT-APPL-SN-318152	c 52	N74-20278*	#	US-PATENT-APPL-SN-338386	c 37	N82-26675*	#
US-PATENT-APPL-SN-29979	c 09	N75-15662*	#	US-PATENT-APPL-SN-318357	c 35	N74-21019*	#	US-PATENT-APPL-SN-338387	c 05	N82-26278*	#
US-PATENT-APPL-SN-300113	c 33	N70-33344*	#	US-PATENT-APPL-SN-318358	c 27	N74-27037*	#	US-PATENT-APPL-SN-338484	c 32	N74-20814*	
US-PATENT-APPL-SN-300712	c 15	N70-35407*	#	US-PATENT-APPL-SN-318443	c 03	N70-34667*	#	US-PATENT-APPL-SN-339040	c 31	N70-41373*	#
US-PATENT-APPL-SN-300957	c 33	N71-29053*	#	US-PATENT-APPL-SN-318848	c 35	N77-14408*	#	US-PATENT-APPL-SN-339806	c 07	N74-27490*	#
US-PATENT-APPL-SN-301039	c 37	N74-27903*	#	US-PATENT-APPL-SN-318895	c 10	N72-17172*	#	US-PATENT-APPL-SN-339821	c 17	N70-33288*	
US-PATENT-APPL-SN-301075	c 34	N82-10358*	#	US-PATENT-APPL-SN-319150	c 33	N75-19519*	#	US-PATENT-APPL-SN-339825	c 28	N71-15660*	
US-PATENT-APPL-SN-301077	c 33	N82-10324*	#	US-PATENT-APPL-SN-319410	c 37	N74-20063*	#	US-PATENT-APPL-SN-340113	c 16	N70-41578*	#
US-PATENT-APPL-SN-301078	c 05	N82-25240*	#	US-PATENT-APPL-SN-319892	c 07	N71-10609*	#	US-PATENT-APPL-SN-340791	c 35	N74-26945*	#
US-PATENT-APPL-SN-301417	c 71	N74-21014*	#	US-PATENT-APPL-SN-319893	c 14	N70-41647*	#	US-PATENT-APPL-SN-340862	c 33	N77-26387*	#
US-PATENT-APPL-SN-301418	c 52	N76-29894*	#	US-PATENT-APPL-SN-319894	c 03	N71-11053*	#	US-PATENT-APPL-SN-340863	c 25	N76-27383*	#
US-PATENT-APPL-SN-301419	c 34	N76-17317*	#	US-PATENT-APPL-SN-319905	c 14	N71-10781*	#	US-PATENT-APPL-SN-340864	c 31	N74-21059*	#
US-PATENT-APPL-SN-301683	c 07	N71-15907*	#	US-PATENT-APPL-SN-320233	c 33	N71-15625*	#	US-PATENT-APPL-SN-340971	c 44	N74-19870*	#
US-PATENT-APPL-SN-302681	c 37	N75-12326*	#	US-PATENT-APPL-SN-320595	c 26	N70-40015*	#	US-PATENT-APPL-SN-341406	c 37	N82-22497*	#
US-PATENT-APPL-SN-302749	c 14	N70-40201*	#	US-PATENT-APPL-SN-320621	c 27	N82-26483*	#	US-PATENT-APPL-SN-341467	c 15	N70-39924*	#
US-PATENT-APPL-SN-302913	c 76	N79-16678*	#	US-PATENT-APPL-SN-321179	c 27	N74-21156*	#	US-PATENT-APPL-SN-341621	c 54	N74-20725*	#
US-PATENT-APPL-SN-303670	c 37	N82-11469*	#	US-PATENT-APPL-SN-321180	c 05	N76-29217*	#	US-PATENT-APPL-SN-341662	c 08	N74-10942*	#
US-PATENT-APPL-SN-303671	c 27	N82-26461*	#	US-PATENT-APPL-SN-321656	c 14	N70-41807*	#	US-PATENT-APPL-SN-3417	c 15	N72-22490*	#
US-PATENT-APPL-SN-303672	c 71	N82-11861*	#	US-PATENT-APPL-SN-322312	c 28	N82-26481*	#	US-PATENT-APPL-SN-3418	c 15	N72-20446*	#
US-PATENT-APPL-SN-304430	c 52	N74-27864*	#	US-PATENT-APPL-SN-322313	c 37	N82-18604*	#	US-PATENT-APPL-SN-341818	c 15	N73-19457*	#
US-PATENT-APPL-SN-304698	c 32	N70-41579*	#	US-PATENT-APPL-SN-322314	c 35	N82-24473*	#	US-PATENT-APPL-SN-342572	c 02	N71-16087*	
US-PATENT-APPL-SN-304705	c 32	N74-20810*	#	US-PATENT-APPL-SN-322316	c 31	N83-19947*	#	US-PATENT-APPL-SN-342574	c 03	N71-20904*	
US-PATENT-APPL-SN-304749	c 11	N71-16028*	#	US-PATENT-APPL-SN-322317	c 46	N82-26890*	#	US-PATENT-APPL-SN-342858	c 27	N82-26460*	#
US-PATENT-APPL-SN-30498	c 37	N74-21063*	#	US-PATENT-APPL-SN-322321	c 27	N82-18390*	#	US-PATENT-APPL-SN-342871	c 33	N82-23396*	#
US-PATENT-APPL-SN-305012	c 35	N74-15094*	#	US-PATENT-APPL-SN-322545	c 14	N71-10774*	#	US-PATENT-APPL-SN-342944	c 76	N78-23031*	#
US-PATENT-APPL-SN-305013	c 14	N73-13435*	#	US-PATENT-APPL-SN-322565	c 37	N75-27376*	#	US-PATENT-APPL-SN-343308	c 19	N74-29410*	#
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US-PATENT-APPL-SN-367134	c 26	N82-31508* #	US-PATENT-APPL-SN-384010	c 10	N71-28859* #	US-PATENT-APPL-SN-39755	c 08	N72-21198* #
US-PATENT-APPL-SN-367136	c 35	N82-26630* #	US-PATENT-APPL-SN-384773	c 15	N76-14158* #	US-PATENT-APPL-SN-397665	c 10	N70-41991*
US-PATENT-APPL-SN-367187	c 44	N82-24716* #	US-PATENT-APPL-SN-384811	c 15	N71-10809* #	US-PATENT-APPL-SN-398131	c 05	N70-41297*
US-PATENT-APPL-SN-367187	c 04	N82-26260* #	US-PATENT-APPL-SN-385013	c 35	N75-19613* #	US-PATENT-APPL-SN-398132	c 15	N70-41808*
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US-PATENT-APPL-SN-367293	c 36	N75-19655* #	US-PATENT-APPL-SN-385220	c 36	N82-28618* #	US-PATENT-APPL-SN-398886	c 07	N75-24736*
US-PATENT-APPL-SN-367294	c 76	N75-12810* #	US-PATENT-APPL-SN-385520	c 14	N71-23037* #	US-PATENT-APPL-SN-398901	c 37	N75-25186*
US-PATENT-APPL-SN-367606	c 75	N75-13625* #	US-PATENT-APPL-SN-385522	c 34	N75-33442* #	US-PATENT-APPL-SN-399074	c 33	N83-13360*
US-PATENT-APPL-SN-367606	c 75	N76-17951* #	US-PATENT-APPL-SN-385526	c 12	N71-16031* #	US-PATENT-APPL-SN-399419	c 21	N71-23289*
US-PATENT-APPL-SN-368123	c 09	N71-10618* #	US-PATENT-APPL-SN-385527	c 31	N71-17729* #	US-PATENT-APPL-SN-400467	c 33	N75-30431*
US-PATENT-APPL-SN-368187	c 52	N82-26960* #	US-PATENT-APPL-SN-385530	c 09	N71-10798* #	US-PATENT-APPL-SN-400613	c 15	N71-21528*
US-PATENT-APPL-SN-368188	c 33	N82-24432* #	US-PATENT-APPL-SN-386467	c 14	N70-40233* #	US-PATENT-APPL-SN-400617	c 31	N71-17629*
US-PATENT-APPL-SN-368189	c 15	N82-28318* #	US-PATENT-APPL-SN-386789	c 35	N75-12271* #	US-PATENT-APPL-SN-400857	c 31	N79-21225*
US-PATENT-APPL-SN-368199	c 23	N72-22673* #	US-PATENT-APPL-SN-386790	c 09	N75-12968* #	US-PATENT-APPL-SN-401224	c 38	N78-17396*
US-PATENT-APPL-SN-369262	c 28	N72-23810* #	US-PATENT-APPL-SN-386793	c 35	N75-25124* #	US-PATENT-APPL-SN-401225	c 38	N78-17395*
US-PATENT-APPL-SN-369334	c 21	N71-22880* #	US-PATENT-APPL-SN-386800	c 15	N71-21404* #	US-PATENT-APPL-SN-401282	c 16	N82-31398*
US-PATENT-APPL-SN-369336	c 09	N71-10659* #	US-PATENT-APPL-SN-387094	c 37	N77-19457* #	US-PATENT-APPL-SN-401283	c 33	N82-30472*
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US-PATENT-APPL-SN-403847	c 31	N82-33567* #	US-PATENT-APPL-SN-421702	c 44	N75-32581* #	US-PATENT-APPL-SN-438797	c 14	N71-10500* #
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US-PATENT-APPL-SN-403849	c 35	N82-33681* #	US-PATENT-APPL-SN-422092	c 14	N71-22989* #	US-PATENT-APPL-SN-43884	c 15	N72-25457* #
US-PATENT-APPL-SN-403959	c 14	N70-41994* #	US-PATENT-APPL-SN-422095	c 07	N71-10676* #	US-PATENT-APPL-SN-439489	c 09	N70-41717* #
US-PATENT-APPL-SN-403960	c 14	N70-41366* #	US-PATENT-APPL-SN-422096	c 03	N71-29044* #	US-PATENT-APPL-SN-439490	c 23	N69-24332* #
US-PATENT-APPL-SN-404212	c 14	N73-32324* #	US-PATENT-APPL-SN-422097	c 11	N71-21481* #	US-PATENT-APPL-SN-440033	c 27	N70-41897* #
US-PATENT-APPL-SN-404809	c 27	N83-13258* #	US-PATENT-APPL-SN-422098	c 15	N71-22797* #	US-PATENT-APPL-SN-440036	c 09	N71-23097* #
US-PATENT-APPL-SN-405341	c 37	N76-15460* #	US-PATENT-APPL-SN-422099	c 14	N71-22964* #	US-PATENT-APPL-SN-440039	c 09	N71-22888* #
US-PATENT-APPL-SN-405342	c 35	N75-19615* #	US-PATENT-APPL-SN-422864	c 05	N69-21925* #	US-PATENT-APPL-SN-440656	c 27	N83-14276* #
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US-PATENT-APPL-SN-405630	c 14	N71-10616* #	US-PATENT-APPL-SN-422868	c 15	N71-10617* #	US-PATENT-APPL-SN-441279	c 35	N75-29382* #
US-PATENT-APPL-SN-405632	c 21	N71-15582* #	US-PATENT-APPL-SN-422869	c 14	N71-10779* #	US-PATENT-APPL-SN-441897	c 43	N83-14607* #
US-PATENT-APPL-SN-406097	c 14	N71-21088* #	US-PATENT-APPL-SN-423412	c 08	N71-22897* #	US-PATENT-APPL-SN-441898	c 36	N83-20092* #
US-PATENT-APPL-SN-406296	c 25	N79-10163* #	US-PATENT-APPL-SN-424013	c 34	N76-27517* #	US-PATENT-APPL-SN-441899	c 27	N83-14276* #
US-PATENT-APPL-SN-406715	c 35	N75-15014* #	US-PATENT-APPL-SN-424038	c 24	N75-30260* #	US-PATENT-APPL-SN-441936	c 14	N69-39975* #
US-PATENT-APPL-SN-406820	c 74	N83-13982* #	US-PATENT-APPL-SN-424153	c 15	N71-21234* #	US-PATENT-APPL-SN-442558	c 15	N71-10799* #
US-PATENT-APPL-SN-407240	c 27	N83-13259* #	US-PATENT-APPL-SN-424156	c 02	N71-23007* #	US-PATENT-APPL-SN-442815	c 76	N83-15149* #
US-PATENT-APPL-SN-407233	c 32	N75-21485* #	US-PATENT-APPL-SN-424157	c 28	N70-41275* #	US-PATENT-APPL-SN-442835	c 26	N75-29156* #
US-PATENT-APPL-SN-407595	c 28	N70-41992* #	US-PATENT-APPL-SN-425096	c 05	N71-23080* #	US-PATENT-APPL-SN-444087	c 02	N71-11041* #
US-PATENT-APPL-SN-407599	c 14	N71-21091* #	US-PATENT-APPL-SN-425202	c 74	N83-12991* #	US-PATENT-APPL-SN-444124	c 52	N83-20539* #
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US-PATENT-APPL-SN-408266	c 25	N83-19826* #	US-PATENT-APPL-SN-425204	c 32	N83-12308* #	US-PATENT-APPL-SN-444149	c 47	N83-14863* #
US-PATENT-APPL-SN-408435	c 15	N71-28937* #	US-PATENT-APPL-SN-425205	c 35	N83-17856* #	US-PATENT-APPL-SN-444150	c 71	N83-15044* #
US-PATENT-APPL-SN-408438	c 07	N71-22750* #	US-PATENT-APPL-SN-425362	c 15	N71-10658* #	US-PATENT-APPL-SN-445178	c 37	N76-15461* #
US-PATENT-APPL-SN-408442	c 10	N71-23662* #	US-PATENT-APPL-SN-425363	c 09	N71-20658* #	US-PATENT-APPL-SN-445292	c 11	N71-23030* #
US-PATENT-APPL-SN-408575	c 35	N83-12398* #	US-PATENT-APPL-SN-425364	c 33	N71-15623* #	US-PATENT-APPL-SN-445398	c 74	N78-15880* #
US-PATENT-APPL-SN-409126	c 18	N71-21068* #	US-PATENT-APPL-SN-425365	c 32	N71-21045* #	US-PATENT-APPL-SN-445807	c 14	N71-22996* #
US-PATENT-APPL-SN-409678	c 37	N83-33712* #	US-PATENT-APPL-SN-425972	c 03	N71-23006* #	US-PATENT-APPL-SN-446071	c 25	N82-29370* #
US-PATENT-APPL-SN-409679	c 33	N83-33634* #	US-PATENT-APPL-SN-426155	c 33	N75-15874* #	US-PATENT-APPL-SN-446131	c 14	N71-22992* #
US-PATENT-APPL-SN-409680	c 35	N83-13425* #	US-PATENT-APPL-SN-426405	c 25	N75-26043* #	US-PATENT-APPL-SN-446560	c 12	N76-15189* #
US-PATENT-APPL-SN-409990	c 35	N75-27330* #	US-PATENT-APPL-SN-426455	c 28	N71-15661* #	US-PATENT-APPL-SN-446562	c 36	N76-14447* #
US-PATENT-APPL-SN-409991	c 33	N75-13139* #	US-PATENT-APPL-SN-426702	c 15	N70-42043* #	US-PATENT-APPL-SN-446564	c 35	N75-26334* #
US-PATENT-APPL-SN-410325	c 18	N71-23088* #	US-PATENT-APPL-SN-427395	c 54	N75-27760* #	US-PATENT-APPL-SN-446567	c 34	N76-27515* #
US-PATENT-APPL-SN-410326	c 09	N71-21449* #	US-PATENT-APPL-SN-427775	c 27	N76-22376* #	US-PATENT-APPL-SN-446568	c 37	N76-23570* #
US-PATENT-APPL-SN-410330	c 26	N71-23043* #	US-PATENT-APPL-SN-427990	c 06	N71-23257* #	US-PATENT-APPL-SN-446569	c 77	N75-20140* #
US-PATENT-APPL-SN-410331	c 02	N70-41589* #	US-PATENT-APPL-SN-428444	c 44	N76-18642* #	US-PATENT-APPL-SN-447124	c 35	N75-30503* #
US-PATENT-APPL-SN-410332	c 14	N71-23039* #	US-PATENT-APPL-SN-428444	c 44	N76-29704* #	US-PATENT-APPL-SN-447927	c 11	N71-10776* #
US-PATENT-APPL-SN-411572	c 35	N75-15932* #	US-PATENT-APPL-SN-428882	c 31	N70-41948* #	US-PATENT-APPL-SN-447928	c 15	N71-10577* #
US-PATENT-APPL-SN-411896	c 76	N83-18533* #	US-PATENT-APPL-SN-428887	c 33	N71-29051* #	US-PATENT-APPL-SN-447930	c 14	N69-39896* #
US-PATENT-APPL-SN-411944	c 15	N70-41629* #	US-PATENT-APPL-SN-428890	c 02	N70-41630* #	US-PATENT-APPL-SN-447933	c 03	N69-21337* #
US-PATENT-APPL-SN-411945	c 18	N71-23047* #	US-PATENT-APPL-SN-428992	c 34	N77-18382* #	US-PATENT-APPL-SN-448320	c 91	N76-30131* #
US-PATENT-APPL-SN-411949	c 27	N71-15635* #	US-PATENT-APPL-SN-428993	c 45	N75-27525* #	US-PATENT-APPL-SN-448321	c 27	N78-32261* #
US-PATENT-APPL-SN-412039	c 06	N83-17536* #	US-PATENT-APPL-SN-428994	c 32	N75-21486* #	US-PATENT-APPL-SN-448323	c 18	N76-17185* #
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US-PATENT-APPL-SN-412080	c 36	N75-19653* #	US-PATENT-APPL-SN-428995	c 51	N75-25503* #	US-PATENT-APPL-SN-448365	c 10	N71-26414* #
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US-PATENT-APPL-SN-413435	c 09	N72-29172* #	US-PATENT-APPL-SN-429932	c 05	N71-20288* #	US-PATENT-APPL-SN-448898	c 15	N70-41310* #
US-PATENT-APPL-SN-413436	c 15	N72-24522* #	US-PATENT-APPL-SN-430192	c 18	N71-27170* #	US-PATENT-APPL-SN-449118	c 33	N75-19524* #
US-PATENT-APPL-SN-413437	c 09	N72-25256* #	US-PATENT-APPL-SN-430226	c 18	N71-23658* #	US-PATENT-APPL-SN-449153	c 54	N75-27761* #
US-PATENT-APPL-SN-413438	c 09	N72-23173* #	US-PATENT-APPL-SN-430496	c 26	N75-29236* #	US-PATENT-APPL-SN-449901	c 28	N70-41967* #
US-PATENT-APPL-SN-413661	c 15	N71-23024* #	US-PATENT-APPL-SN-430748	c 76	N79-21910* #	US-PATENT-APPL-SN-449902	c 14	N70-41681* #
US-PATENT-APPL-SN-413662	c 09	N70-41929* #	US-PATENT-APPL-SN-430776	c 03	N70-41954* #	US-PATENT-APPL-SN-450166	c 33	N83-17804* #
US-PATENT-APPL-SN-414042	c 35	N79-17192* #	US-PATENT-APPL-SN-430777	c 18	N71-24184* #	US-PATENT-APPL-SN-450319	c 33	N83-17803* #
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US-PATENT-APPL-SN-414044	c 03	N73-20039* #	US-PATENT-APPL-SN-430780	c 03	N71-12260* #	US-PATENT-APPL-SN-450502	c 37	N76-18456* #
US-PATENT-APPL-SN-414106	c 54	N83-18254* #	US-PATENT-APPL-SN-431235	c 15	N71-16052* #	US-PATENT-APPL-SN-450504	c 23	N77-17161* #
US-PATENT-APPL-SN-414107	c 35	N83-12397* #	US-PATENT-APPL-SN-431421	c 37	N83-12434* #	US-PATENT-APPL-SN-450505	c 37	N75-31446* #
US-PATENT-APPL-SN-414237	c 71	N83-12969* #	US-PATENT-APPL-SN-431448	c 27	N83-17714* #	US-PATENT-APPL-SN-450553	c 33	N75-31330* #
US-PATENT-APPL-SN-41430	c 10	N72-20221* #	US-PATENT-APPL-SN-431886	c 18	N83-12138* #	US-PATENT-APPL-SN-451596	c 17	N71-29137* #
US-PATENT-APPL-SN-41431	c 37	N77-27400* #	US-PATENT-APPL-SN-432025	c 15	N71-21531* #	US-PATENT-APPL-SN-451896	c 26	N83-19890* #
US-PATENT-APPL-SN-414482	c 10	N71-10578* #	US-PATENT-APPL-SN-432026	c 07	N71-23405* #	US-PATENT-APPL-SN-452464	c 24	N83-17603* #
US-PATENT-APPL-SN-414555	c 02	N70-33255* #	US-PATENT-APPL-SN-432027	c 21	N70-41930* #	US-PATENT-APPL-SN-452465	c 25	N83-17628* #
US-PATENT-APPL-SN-414586	c 37	N75-19683* #	US-PATENT-APPL-SN-432028	c 15	N71-22723* #	US-PATENT-APPL-SN-452466	c 03	N83-17525* #
US-PATENT-APPL-SN-414588	c 08	N83-12098* #	US-PATENT-APPL-SN-432030	c 12	N71-20896* #	US-PATENT-APPL-SN-452761	c 33	N75-19522* #
US-PATENT-APPL-SN-415879	c 73	N83-12986* #	US-PATENT-APPL-SN-432032	c 15	N69-24322* #	US-PATENT-APPL-SN-452767	c 05	N75-25915* #
US-PATENT-APPL-SN-415880	c 27	N83-12339* #	US-PATENT-APPL-SN-432433	c 15	N71-22705* #	US-PATENT-APPL-SN-452768	c 52	N76-30793* #
US-PATENT-APPL-SN-415882	c 27	N83-13424* #	US-PATENT-APPL-SN-433196	c 44	N83-18025* #	US-PATENT-APPL-SN-452769	c 44	N76-16612* #
US-PATENT-APPL-SN-415960	c 37	N83-13460* #	US-PATENT-APPL-SN-433227	c 15	N72-26371* #	US-PATENT-APPL-SN-452770	c 33	N76-31332* #
US-PATENT-APPL-SN-416135	c 32	N75-15854* #	US-PATENT-APPL-SN-433598	c 23	N83-17590* #	US-PATENT-APPL-SN-452944	c 18	N71-24183* #
US-PATENT-APPL-SN-416443	c 74	N83-12992* #	US-PATENT-APPL-SN-433821	c 09	N71-16089* #	US-PATENT-APPL-SN-452945	c 18	N69-39979* #
US-PATENT-APPL-SN-416938	c 11	N71-10746* #	US-PATENT-APPL-SN-433968	c 33	N75-25041* #	US-PATENT-APPL-SN-453115	c 32	N76-14321* #
US-PATENT-APPL-SN-416940	c 21	N71-21708* #	US-PATENT-APPL-SN-434084	c 33	N83-17802* #	US-PATENT-APPL-SN-453225	c 15	N71-24833* #
US-PATENT-APPL-SN-416941	c 31	N70-34159* #	US-PATENT-APPL-SN-434085	c 33	N83-12333* #	US-PATENT-APPL-SN-453227	c 31	N71-10582* #
US-PATENT-APPL-SN-416943	c 14	N71-23269* #	US-PATENT-APPL-SN-434087	c 27	N83-17175* #	US-PATENT-APPL-SN-453229	c 17	N71-23828* #
US-PATENT-APPL-SN-416945	c 10	N71-23543* #	US-PATENT-APPL-SN-434143	c 15	N71-15871* #	US-PATENT-APPL-SN-453231	c 23	N71-15467* #
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US-PATENT-APPL-SN-418137	c 24	N83-17601* #	US-PATENT-APPL-SN-434674	c 44	N83-12525* #	US-PATENT-APPL-SN-453241	c 33	N75-29318* #
US-PATENT-APPL-SN-418138	c 16	N83-13149* #	US-PATENT-APPL-SN-435387	c 10	N70-42032* #	US-PATENT-APPL-SN-455163	c 32	N75-26195* #
US-PATENT-APPL-SN-418139	c 24	N83-12176* #	US-PATENT-APPL-SN-435433	c 14	N71-30026* #	US-PATENT-APPL-SN-455165	c 36	N75-30524* #
US-PATENT-APPL-SN-418362	c 14	N71-20741* #	US-P					

US-PATENT-APPL-SN-457879	c 15	N71-21078*	US-PATENT-APPL-SN-477333	c 28	N70-41922* #	US-PATENT-APPL-SN-50208	c 14	N73-13418* #
US-PATENT-APPL-SN-457990	c 37	N83-20155* #	US-PATENT-APPL-SN-478491	c 14	N69-21363* #	US-PATENT-APPL-SN-502124	c 35	N76-16393* #
US-PATENT-APPL-SN-457991	c 32	N83-19970* #	US-PATENT-APPL-SN-478800	c 37	N76-19436* #	US-PATENT-APPL-SN-502135	c 35	N76-15433* #
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US-PATENT-APPL-SN-458484	c 44	N76-14595* #	US-PATENT-APPL-SN-478802	c 35	N75-29381* #	US-PATENT-APPL-SN-502137	c 37	N76-21554* #
US-PATENT-APPL-SN-459138	c 14	N71-10773* #	US-PATENT-APPL-SN-478803	c 31	N76-14284* #	US-PATENT-APPL-SN-502138	c 43	N77-10584* #
US-PATENT-APPL-SN-459407	c 14	N73-30391* #	US-PATENT-APPL-SN-479353	c 15	N71-22326*	US-PATENT-APPL-SN-502693	c 15	N71-20739*
US-PATENT-APPL-SN-459736	c 33	N75-26245* #	US-PATENT-APPL-SN-479357	c 36	N77-19416* #	US-PATENT-APPL-SN-502701	c 08	N71-23295*
US-PATENT-APPL-SN-459842	c 35	N83-20083* #	US-PATENT-APPL-SN-480210	c 11	N71-21474* #	US-PATENT-APPL-SN-502709	c 31	N71-21881*
US-PATENT-APPL-SN-460511	c 33	N83-21238* #	US-PATENT-APPL-SN-480211	c 14	N71-26135*	US-PATENT-APPL-SN-502710	c 15	N71-23048*
US-PATENT-APPL-SN-460733	c 37	N83-20154* #	US-PATENT-APPL-SN-482104	c 27	N76-22377* #	US-PATENT-APPL-SN-502729	c 31	N70-41871* #
US-PATENT-APPL-SN-460876	c 09	N69-21470* #	US-PATENT-APPL-SN-482105	c 27	N76-23426* #	US-PATENT-APPL-SN-502739	c 09	N71-23311*
US-PATENT-APPL-SN-460877	c 33	N71-23085*	US-PATENT-APPL-SN-482307	c 15	N71-21060*	US-PATENT-APPL-SN-502740	c 14	N69-27485* #
US-PATENT-APPL-SN-461073	c 33	N75-26246* #	US-PATENT-APPL-SN-482311	c 05	N71-22748*	US-PATENT-APPL-SN-502743	c 08	N71-19435*
US-PATENT-APPL-SN-461477	c 37	N75-19686* #	US-PATENT-APPL-SN-482313	c 11	N69-24321* #	US-PATENT-APPL-SN-502746	c 03	N69-39898* #
US-PATENT-APPL-SN-461714	c 37	N83-20152* #	US-PATENT-APPL-SN-482670	c 14	N71-21007*	US-PATENT-APPL-SN-502750	c 09	N71-19468*
US-PATENT-APPL-SN-461724	c 37	N83-20153* #	US-PATENT-APPL-SN-482952	c 09	N71-28926*	US-PATENT-APPL-SN-502753	c 07	N69-39978* #
US-PATENT-APPL-SN-461765	c 17	N71-23046*	US-PATENT-APPL-SN-482953	c 74	N76-18913* #	US-PATENT-APPL-SN-502756	c 03	N71-23336*
US-PATENT-APPL-SN-462341	c 44	N76-31666* #	US-PATENT-APPL-SN-482967	c 34	N76-18364* #	US-PATENT-APPL-SN-50339	c 04	N72-33072* #
US-PATENT-APPL-SN-462424	c 24	N77-19171* #	US-PATENT-APPL-SN-483301	c 36	N77-26477* #	US-PATENT-APPL-SN-504225	c 35	N76-16392* #
US-PATENT-APPL-SN-462497	c 45	N83-20446* #	US-PATENT-APPL-SN-483817	c 27	N79-21190* #	US-PATENT-APPL-SN-504266	c 31	N71-21064*
US-PATENT-APPL-SN-462508	c 35	N83-20085* #	US-PATENT-APPL-SN-483850	c 37	N76-14460* #	US-PATENT-APPL-SN-505320	c 16	N71-18614* #
US-PATENT-APPL-SN-462705	c 37	N75-19684* #	US-PATENT-APPL-SN-483851	c 35	N76-15435* #	US-PATENT-APPL-SN-505321	c 10	N71-22962*
US-PATENT-APPL-SN-462762	c 12	N69-21466* #	US-PATENT-APPL-SN-483852	c 33	N75-30430* #	US-PATENT-APPL-SN-505765	c 15	N71-23816*
US-PATENT-APPL-SN-462763	c 14	N71-22991* #	US-PATENT-APPL-SN-483857	c 44	N76-14601* #	US-PATENT-APPL-SN-505819	c 33	N76-16331* #
US-PATENT-APPL-SN-462844	c 33	N75-19520* #	US-PATENT-APPL-SN-483858	c 35	N76-18400* #	US-PATENT-APPL-SN-505881	c 09	N76-24280* #
US-PATENT-APPL-SN-462903	c 37	N76-14461* #	US-PATENT-APPL-SN-483885	c 04	N71-23185*	US-PATENT-APPL-SN-506135	c 06	N71-20905*
US-PATENT-APPL-SN-463456	c 39	N83-20284* #	US-PATENT-APPL-SN-483886	c 09	N71-22988*	US-PATENT-APPL-SN-506137	c 15	N71-23049*
US-PATENT-APPL-SN-463925	c 74	N76-30003* #	US-PATENT-APPL-SN-483891	c 14	N69-39982* #	US-PATENT-APPL-SN-506803	c 24	N79-25143* #
US-PATENT-APPL-SN-464720	c 32	N76-16249* #	US-PATENT-APPL-SN-484156	c 11	N71-21475*	US-PATENT-APPL-SN-506804	c 35	N76-18402* #
US-PATENT-APPL-SN-464721	c 37	N75-26372* #	US-PATENT-APPL-SN-484208	c 35	N75-30502* #	US-PATENT-APPL-SN-506908	c 09	N71-18843*
US-PATENT-APPL-SN-464722	c 35	N76-22509* #	US-PATENT-APPL-SN-484209	c 35	N76-18403* #	US-PATENT-APPL-SN-507254	c 14	N71-22990*
US-PATENT-APPL-SN-464723	c 33	N75-30429* #	US-PATENT-APPL-SN-484485	c 01	N71-23497*	US-PATENT-APPL-SN-507257	c 09	N71-19449*
US-PATENT-APPL-SN-464878	c 10	N71-22986*	US-PATENT-APPL-SN-484489	c 10	N71-15909*	US-PATENT-APPL-SN-508169	c 18	N71-27397*
US-PATENT-APPL-SN-464879	c 14	N71-21072*	US-PATENT-APPL-SN-484490	c 24	N71-20518*	US-PATENT-APPL-SN-508170	c 08	N71-22710*
US-PATENT-APPL-SN-464880	c 33	N71-21586*	US-PATENT-APPL-SN-484855	c 09	N71-19480*	US-PATENT-APPL-SN-508601	c 15	N71-22878*
US-PATENT-APPL-SN-464885	c 15	N71-22997*	US-PATENT-APPL-SN-485058	c 06	N71-23500*	US-PATENT-APPL-SN-508784	c 76	N76-25049*
US-PATENT-APPL-SN-465364	c 44	N83-20374* #	US-PATENT-APPL-SN-485656	c 28	N71-10574* #	US-PATENT-APPL-SN-508873	c 14	N71-23240*
US-PATENT-APPL-SN-465365	c 43	N83-20324* #	US-PATENT-APPL-SN-485957	c 25	N71-21694* #	US-PATENT-APPL-SN-509460	c 01	N71-13411* #
US-PATENT-APPL-SN-465366	c 27	N83-19903* #	US-PATENT-APPL-SN-485958	c 15	N71-24047*	US-PATENT-APPL-SN-510150	c 10	N71-26103*
US-PATENT-APPL-SN-465367	c 27	N83-19904* #	US-PATENT-APPL-SN-485960	c 15	N70-42017* #	US-PATENT-APPL-SN-510155	c 06	N71-11235* #
US-PATENT-APPL-SN-465369	c 76	N83-21993* #	US-PATENT-APPL-SN-48621	c 20	N78-32170* #	US-PATENT-APPL-SN-510474	c 15	N71-23810*
US-PATENT-APPL-SN-466390	c 28	N71-20330*	US-PATENT-APPL-SN-486573	c 10	N71-19469*	US-PATENT-APPL-SN-510475	c 14	N71-23087*
US-PATENT-APPL-SN-466868	c 22	N71-23599*	US-PATENT-APPL-SN-486884	c 15	N73-32362* #	US-PATENT-APPL-SN-510677	c 44	N77-19571* #
US-PATENT-APPL-SN-466873	c 17	N71-20743*	US-PATENT-APPL-SN-487156	c 44	N77-10636* #	US-PATENT-APPL-SN-511299	c 15	N71-22798*
US-PATENT-APPL-SN-466875	c 08	N71-22707*	US-PATENT-APPL-SN-487341	c 14	N71-19431*	US-PATENT-APPL-SN-511334	c 36	N77-32478* #
US-PATENT-APPL-SN-467820	c 28	N71-26779*	US-PATENT-APPL-SN-487342	c 09	N71-21583* #	US-PATENT-APPL-SN-511346	c 15	N77-10113* #
US-PATENT-APPL-SN-468614	c 60	N77-14751* #	US-PATENT-APPL-SN-487343	c 03	N69-39890* #	US-PATENT-APPL-SN-5114	c 06	N72-25150* #
US-PATENT-APPL-SN-468614	c 60	N77-32731* #	US-PATENT-APPL-SN-487344	c 15	N69-21472* #	US-PATENT-APPL-SN-511564	c 09	N69-39885* #
US-PATENT-APPL-SN-468614	c 60	N78-10709* #	US-PATENT-APPL-SN-487352	c 14	N71-18699*	US-PATENT-APPL-SN-511567	c 05	N71-12336* #
US-PATENT-APPL-SN-468647	c 21	N71-10771* #	US-PATENT-APPL-SN-487852	c 23	N76-15268* #	US-PATENT-APPL-SN-511887	c 35	N76-15436* #
US-PATENT-APPL-SN-468655	c 15	N69-21471* #	US-PATENT-APPL-SN-487929	c 33	N74-20859* #	US-PATENT-APPL-SN-511894	c 03	N76-32140* #
US-PATENT-APPL-SN-469011	c 11	N69-21540* #	US-PATENT-APPL-SN-487934	c 15	N71-21530* #	US-PATENT-APPL-SN-512352	c 15	N70-33330* #
US-PATENT-APPL-SN-469012	c 25	N71-20747*	US-PATENT-APPL-SN-487939	c 14	N71-23040*	US-PATENT-APPL-SN-512509	c 26	N75-27125* #
US-PATENT-APPL-SN-469013	c 14	N69-27423* #	US-PATENT-APPL-SN-487940	c 10	N71-26434*	US-PATENT-APPL-SN-512559	c 23	N71-22881*
US-PATENT-APPL-SN-469864	c 37	N83-20157* #	US-PATENT-APPL-SN-488381	c 14	N73-32321* #	US-PATENT-APPL-SN-512561	c 16	N71-25914*
US-PATENT-APPL-SN-469865	c 37	N83-20166* #	US-PATENT-APPL-SN-488616	c 07	N76-18117* #	US-PATENT-APPL-SN-512562	c 16	N71-24074*
US-PATENT-APPL-SN-469866	c 27	N83-21143* #	US-PATENT-APPL-SN-488745	c 26	N75-27127* #	US-PATENT-APPL-SN-512825	c 32	N76-15329* #
US-PATENT-APPL-SN-470113	c 17	N83-20995* #	US-PATENT-APPL-SN-489008	c 23	N75-30256* #	US-PATENT-APPL-SN-51317	c 14	N73-3089* #
US-PATENT-APPL-SN-470428	c 33	N76-16332* #	US-PATENT-APPL-SN-489009	c 33	N76-19339* #	US-PATENT-APPL-SN-513346	c 07	N77-14095* #
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US-PATENT-APPL-SN-470611	c 26	N72-25680* #	US-PATENT-APPL-SN-491054	c 14	N71-23174*	US-PATENT-APPL-SN-513576	c 35	N76-29552* #
US-PATENT-APPL-SN-470622	c 15	N72-17451* #	US-PATENT-APPL-SN-491058	c 09	N71-23443*	US-PATENT-APPL-SN-513611	c 24	N76-22309*
US-PATENT-APPL-SN-470633	c 33	N72-25911* #	US-PATENT-APPL-SN-491059	c 09	N71-23015*	US-PATENT-APPL-SN-513611	c 24	N80-34342* #
US-PATENT-APPL-SN-470633	c 33	N73-25952* #	US-PATENT-APPL-SN-491416	c 35	N75-33368* #	US-PATENT-APPL-SN-513612	c 05	N77-17029* #
US-PATENT-APPL-SN-470902	c 06	N71-28808*	US-PATENT-APPL-SN-491417	c 37	N76-19437* #	US-PATENT-APPL-SN-513613	c 27	N78-15276* #
US-PATENT-APPL-SN-471154	c 09	N73-28084* #	US-PATENT-APPL-SN-491418	c 31	N76-31365* #	US-PATENT-APPL-SN-513690	c 37	N76-20480* #
US-PATENT-APPL-SN-47120	c 31	N70-33242*	US-PATENT-APPL-SN-491419	c 32	N76-15330* #	US-PATENT-APPL-SN-514407	c 18	N71-22894*
US-PATENT-APPL-SN-47121	c 09	N70-33995* #	US-PATENT-APPL-SN-491845	c 28	N71-15659* #	US-PATENT-APPL-SN-514546	c 74	N76-20958* #
US-PATENT-APPL-SN-47122	c 14	N70-34813* #	US-PATENT-APPL-SN-492344	c 05	N71-22896*	US-PATENT-APPL-SN-51473	c 02	N70-33266*
US-PATENT-APPL-SN-47123	c 15	N70-34817* #	US-PATENT-APPL-SN-493359	c 20	N76-12175* #	US-PATENT-APPL-SN-51477	c 14	N72-25412* #
US-PATENT-APPL-SN-472066	c 31	N70-42075* #	US-PATENT-APPL-SN-493363	c 33	N76-21390* #	US-PATENT-APPL-SN-515484	c 14	N71-22993*
US-PATENT-APPL-SN-472327	c 07	N71-20791*	US-PATENT-APPL-SN-493942	c 14	N71-17659*	US-PATENT-APPL-SN-516150	c 05	N71-19440*
US-PATENT-APPL-SN-472643	c 33	N79-21265* #	US-PATENT-APPL-SN-493943	c 15	N71-21529*	US-PATENT-APPL-SN-516151	c 15	N70-41679* #
US-PATENT-APPL-SN-472747	c 31	N71-16081*	US-PATENT-APPL-SN-494280	c 28	N71-23081*	US-PATENT-APPL-SN-516152	c 14	N71-23225*
US-PATENT-APPL-SN-472775	c 35	N75-33369* #	US-PATENT-APPL-SN-494282	c 15	N69-39735* #	US-PATENT-APPL-SN-516153	c 10	N71-28783*
US-PATENT-APPL-SN-473498	c 72	N83-21903* #	US-PATENT-APPL-SN-494283	c 31	N71-24035*	US-PATENT-APPL-SN-516154	c 09	N69-24330* #
US-PATENT-APPL-SN-473499	c 74	N83-21950* #	US-PATENT-APPL-SN-494287	c 03	N71-22974*	US-PATENT-APPL-SN-516155	c 09	N71-23270*
US-PATENT-APPL-SN-473535	c 31	N71-15637*	US-PATENT-APPL-SN-494739	c 07	N71-26291*	US-PATENT-APPL-SN-516158	c 09	N71-19479*
US-PATENT-APPL-SN-473537	c 08	N71-15908*	US-PATENT-APPL-SN-495021	c 44	N78-13526* #	US-PATENT-APPL-SN-516159	c 14	N70-41812* #
US-PATENT-APPL-SN-473827	c 35	N83-21316* #	US-PATENT-APPL-SN-495022	c 60	N77-12721* #	US-PATENT-APPL-SN-516160	c 33	N71-16277*
US-PATENT-APPL-SN-473973	c 02	N77-10001* #	US-PATENT-APPL-SN-496205	c 14	N71-22965*	US-PATENT-APPL-SN-516162	c 07	N71-28900*
US-PATENT-APPL-SN-474400	c 07	N73-20174* #	US-PATENT-APPL-SN-496779	c 05	N76-29217*	US-PATENT-APPL-SN-5167		

US-PATENT-APPL-SN-518684	c 44	N76-22657*	#	US-PATENT-APPL-SN-538911	c 33	N71-22792*		US-PATENT-APPL-SN-560967	c 15	N69-21922*	#
US-PATENT-APPL-SN-518685	c 35	N76-14429*	#	US-PATENT-APPL-SN-538913	c 14	N71-17627*		US-PATENT-APPL-SN-560968	c 10	N71-24863*	
US-PATENT-APPL-SN-519160	c 18	N71-20742*		US-PATENT-APPL-SN-538982	c 33	N77-14333*	#	US-PATENT-APPL-SN-560969	c 14	N71-15622*	#
US-PATENT-APPL-SN-519161	c 05	N71-20718*		US-PATENT-APPL-SN-538983	c 33	N76-18353*	#	US-PATENT-APPL-SN-561020	c 44	N76-23675*	#
US-PATENT-APPL-SN-519395	c 09	N69-24317*	#	US-PATENT-APPL-SN-539237	c 33	N71-16278*		US-PATENT-APPL-SN-561223	c 14	N71-20427*	
US-PATENT-APPL-SN-520838	c 08	N71-18595*		US-PATENT-APPL-SN-539255	c 18	N71-26153*		US-PATENT-APPL-SN-561764	c 32	N77-10392*	#
US-PATENT-APPL-SN-520839	c 10	N71-19472*		US-PATENT-APPL-SN-539255	c 17	N72-28536*	#	US-PATENT-APPL-SN-561956	c 35	N77-17426*	#
US-PATENT-APPL-SN-521006	c 34	N77-10463*	#	US-PATENT-APPL-SN-540414	c 15	N71-22799*		US-PATENT-APPL-SN-562443	c 09	N69-39734*	#
US-PATENT-APPL-SN-521001	c 60	N76-14818*	#	US-PATENT-APPL-SN-540779	c 33	N79-12331*		US-PATENT-APPL-SN-562444	c 14	N71-22995*	
US-PATENT-APPL-SN-521001	c 37	N76-18454*	#	US-PATENT-APPL-SN-541399	c 14	N71-20428*		US-PATENT-APPL-SN-562445	c 14	N71-23797*	
US-PATENT-APPL-SN-521003	c 35	N75-29380*	#	US-PATENT-APPL-SN-542157	c 20	N76-21276*	#	US-PATENT-APPL-SN-562499	c 32	N77-31350*	#
US-PATENT-APPL-SN-521020	c 09	N77-10071*	#	US-PATENT-APPL-SN-542192	c 26	N75-27216*	#	US-PATENT-APPL-SN-562558	c 31	N79-21227*	#
US-PATENT-APPL-SN-521753	c 15	N70-41960*	#	US-PATENT-APPL-SN-54270	c 07	N72-25173*	#	US-PATENT-APPL-SN-562933	c 10	N71-24799*	
US-PATENT-APPL-SN-521754	c 07	N71-22984*		US-PATENT-APPL-SN-542713	c 23	N71-23976*		US-PATENT-APPL-SN-562934	c 09	N69-21458*	#
US-PATENT-APPL-SN-521755	c 28	N71-28849*		US-PATENT-APPL-SN-54271	c 02	N73-19004*	#	US-PATENT-APPL-SN-562992	c 27	N78-32261*	#
US-PATENT-APPL-SN-521816	c 35	N77-19385*	#	US-PATENT-APPL-SN-542754	c 34	N76-18374*	#	US-PATENT-APPL-SN-563049	c 17	N76-29347*	#
US-PATENT-APPL-SN-521817	c 45	N76-21742*	#	US-PATENT-APPL-SN-543206	c 05	N71-23159*		US-PATENT-APPL-SN-563050	c 37	N76-31524*	#
US-PATENT-APPL-SN-521994	c 17	N71-23365*		US-PATENT-APPL-SN-543774	c 06	N69-39733*	#	US-PATENT-APPL-SN-563283	c 35	N76-18401*	#
US-PATENT-APPL-SN-521996	c 15	N69-27871*	#	US-PATENT-APPL-SN-544611	c 33	N76-15937*	#	US-PATENT-APPL-SN-563644	c 15	N71-18613*	#
US-PATENT-APPL-SN-521998	c 07	N69-24323*	#	US-PATENT-APPL-SN-544895	c 07	N71-28809*		US-PATENT-APPL-SN-563646	c 05	N71-23096*	
US-PATENT-APPL-SN-521999	c 12	N71-20151*		US-PATENT-APPL-SN-544899	c 09	N70-20569*		US-PATENT-APPL-SN-563648	c 15	N71-17803*	
US-PATENT-APPL-SN-522109	c 07	N78-17056*	#	US-PATENT-APPL-SN-545223	c 03	N71-11056*	#	US-PATENT-APPL-SN-563650	c 25	N69-21929*	#
US-PATENT-APPL-SN-522551	c 76	N76-20994*	#	US-PATENT-APPL-SN-545224	c 15	N69-21362*	#	US-PATENT-APPL-SN-563651	c 28	N71-22933*	
US-PATENT-APPL-SN-522552	c 35	N76-16390*	#	US-PATENT-APPL-SN-545228	c 07	N69-39736*	#	US-PATENT-APPL-SN-564622	c 37	N71-31497*	#
US-PATENT-APPL-SN-522556	c 35	N76-15432*	#	US-PATENT-APPL-SN-545229	c 03	N69-21469*	#	US-PATENT-APPL-SN-564919	c 09	N71-23136*	
US-PATENT-APPL-SN-522794	c 09	N71-23190*		US-PATENT-APPL-SN-545282	c 35	N76-24524*	#	US-PATENT-APPL-SN-565162	c 35	N79-14348*	#
US-PATENT-APPL-SN-522795	c 20	N71-16281*		US-PATENT-APPL-SN-545283	c 32	N77-12239*	#	US-PATENT-APPL-SN-565289	c 38	N77-17495*	#
US-PATENT-APPL-SN-522971	c 54	N76-24900*	#	US-PATENT-APPL-SN-545284	c 34	N76-27517*	#	US-PATENT-APPL-SN-565290	c 17	N76-22245*	#
US-PATENT-APPL-SN-523511	c 28	N71-20942*		US-PATENT-APPL-SN-54540	c 15	N72-29488*	#	US-PATENT-APPL-SN-566392	c 14	N71-23175*	
US-PATENT-APPL-SN-523632	c 33	N78-17293*	#	US-PATENT-APPL-SN-54540	c 37	N74-15125*	#	US-PATENT-APPL-SN-566397	c 05	N71-23161*	
US-PATENT-APPL-SN-524746	c 14	N73-28491*	#	US-PATENT-APPL-SN-54552	c 27	N70-34783*	#	US-PATENT-APPL-SN-566493	c 44	N76-29701*	#
US-PATENT-APPL-SN-526438	c 25	N76-22323*	#	US-PATENT-APPL-SN-54552	c 20	N77-17143*	#	US-PATENT-APPL-SN-566494	c 32	N79-30309*	#
US-PATENT-APPL-SN-526448	c 44	N76-14602*	#	US-PATENT-APPL-SN-545535	c 03	N69-21539*	#	US-PATENT-APPL-SN-566495	c 33	N77-17351*	#
US-PATENT-APPL-SN-526449	c 54	N76-14804*	#	US-PATENT-APPL-SN-545793	c 20	N80-14188*	#	US-PATENT-APPL-SN-566717	c 14	N71-24233*	
US-PATENT-APPL-SN-526450	c 35	N77-14409*	#	US-PATENT-APPL-SN-545805	c 15	N71-21744*		US-PATENT-APPL-SN-567686	c 15	N71-22994*	
US-PATENT-APPL-SN-526631	c 10	N71-19471*		US-PATENT-APPL-SN-546142	c 09	N69-24329*	#	US-PATENT-APPL-SN-567806	c 06	N71-22975*	
US-PATENT-APPL-SN-526664	c 07	N69-24334*	#	US-PATENT-APPL-SN-546148	c 11	N71-22875*		US-PATENT-APPL-SN-56791	c 10	N72-16172*	#
US-PATENT-APPL-SN-526665	c 14	N69-24331*	#	US-PATENT-APPL-SN-546149	c 16	N71-24170*		US-PATENT-APPL-SN-568067	c 31	N71-22968*	
US-PATENT-APPL-SN-527331	c 17	N73-28573*	#	US-PATENT-APPL-SN-547072	c 15	N71-24043*		US-PATENT-APPL-SN-568071	c 14	N69-27461*	#
US-PATENT-APPL-SN-527727	c 02	N76-16014*	#	US-PATENT-APPL-SN-547072	c 35	N78-32397*	#	US-PATENT-APPL-SN-568160	c 10	N71-18724*	
US-PATENT-APPL-SN-527728	c 37	N76-18458*	#	US-PATENT-APPL-SN-547643	c 33	N79-33392*	#	US-PATENT-APPL-SN-568346	c 04	N69-27487*	#
US-PATENT-APPL-SN-527790	c 33	N76-14372*	#	US-PATENT-APPL-SN-547677	c 10	N71-20448*		US-PATENT-APPL-SN-568352	c 09	N71-20842*	
US-PATENT-APPL-SN-528031	c 10	N69-39888*	#	US-PATENT-APPL-SN-548468	c 37	N76-25767*	#	US-PATENT-APPL-SN-568354	c 14	N71-22752*	
US-PATENT-APPL-SN-529593	c 27	N71-21819*		US-PATENT-APPL-SN-548559	c 44	N76-29700*	#	US-PATENT-APPL-SN-568355	c 32	N71-23971*	
US-PATENT-APPL-SN-529594	c 15	N69-27483*	#	US-PATENT-APPL-SN-548808	c 14	N71-23227*		US-PATENT-APPL-SN-568356	c 14	N71-15599*	#
US-PATENT-APPL-SN-529594	c 33	N71-29152*		US-PATENT-APPL-SN-549418	c 36	N76-31512*	#	US-PATENT-APPL-SN-568362	c 03	N69-39893*	#
US-PATENT-APPL-SN-529609	c 09	N69-39896*	#	US-PATENT-APPL-SN-549860	c 03	N71-19438*		US-PATENT-APPL-SN-568364	c 10	N71-26148*	
US-PATENT-APPL-SN-529884	c 54	N78-18761*	#	US-PATENT-APPL-SN-550088	c 07	N71-24612*		US-PATENT-APPL-SN-568541	c 24	N77-28225*	#
US-PATENT-APPL-SN-530958	c 09	N71-22985*		US-PATENT-APPL-SN-551182	c 03	N71-23187*		US-PATENT-APPL-SN-568541	c 27	N81-14077*	#
US-PATENT-APPL-SN-531565	c 36	N76-24553*	#	US-PATENT-APPL-SN-551184	c 37	N76-22541*	#	US-PATENT-APPL-SN-568620	c 10	N71-26626*	
US-PATENT-APPL-SN-531516	c 10	N71-28860*		US-PATENT-APPL-SN-551694	c 31	N71-18611*		US-PATENT-APPL-SN-568987	c 10	N71-19547*	
US-PATENT-APPL-SN-531572	c 66	N76-19888*	#	US-PATENT-APPL-SN-551815	c 02	N71-11038*		US-PATENT-APPL-SN-569925	c 07	N77-17059*	#
US-PATENT-APPL-SN-531575	c 32	N76-31372*	#	US-PATENT-APPL-SN-551846	c 03	N71-20492*		US-PATENT-APPL-SN-570093	c 06	N71-17705*	
US-PATENT-APPL-SN-531642	c 25	N71-21693*		US-PATENT-APPL-SN-551933	c 33	N71-14032*		US-PATENT-APPL-SN-570095	c 14	N71-23226*	
US-PATENT-APPL-SN-531647	c 04	N76-20114*	#	US-PATENT-APPL-SN-551961	c 15	N70-33376*		US-PATENT-APPL-SN-570097	c 15	N69-23185*	#
US-PATENT-APPL-SN-531647	c 04	N77-19056*	#	US-PATENT-APPL-SN-552108	c 07	N79-14096*	#	US-PATENT-APPL-SN-570678	c 17	N71-25903*	
US-PATENT-APPL-SN-532006	c 23	N71-24857*		US-PATENT-APPL-SN-552344	c 09	N69-27463*	#	US-PATENT-APPL-SN-571458	c 44	N77-10635*	#
US-PATENT-APPL-SN-532784	c 27	N75-29263*	#	US-PATENT-APPL-SN-552454	c 35	N76-24525*	#	US-PATENT-APPL-SN-571459	c 54	N78-14784*	#
US-PATENT-APPL-SN-532784	c 27	N78-17205*	#	US-PATENT-APPL-SN-55333	c 10	N73-16206*	#	US-PATENT-APPL-SN-571821	c 20	N76-22296*	#
US-PATENT-APPL-SN-533555	c 36	N76-18248*	#	US-PATENT-APPL-SN-553687	c 44	N76-29704*	#	US-PATENT-APPL-SN-57252	c 14	N72-25414*	#
US-PATENT-APPL-SN-533556	c 36	N76-29575*	#	US-PATENT-APPL-SN-553891	c 23	N71-16341*		US-PATENT-APPL-SN-57253	c 18	N72-25541*	#
US-PATENT-APPL-SN-533608	c 32	N76-21366*	#	US-PATENT-APPL-SN-554277	c 07	N71-26579*		US-PATENT-APPL-SN-572990	c 37	N78-16369*	#
US-PATENT-APPL-SN-533650	c 35	N75-27329*	#	US-PATENT-APPL-SN-554897	c 15	N71-22982*		US-PATENT-APPL-SN-572991	c 51	N77-22794*	#
US-PATENT-APPL-SN-533659	c 14	N73-30390*	#	US-PATENT-APPL-SN-554899	c 15	N70-33382*		US-PATENT-APPL-SN-573029	c 07	N79-14097*	#
US-PATENT-APPL-SN-533734	c 33	N77-10428*	#	US-PATENT-APPL-SN-554949	c 06	N71-20717*		US-PATENT-APPL-SN-573432	c 14	N71-23790*	
US-PATENT-APPL-SN-534265	c 32	N76-21365*	#	US-PATENT-APPL-SN-554950	c 17	N71-23248*		US-PATENT-APPL-SN-57399	c 03	N72-20034*	#
US-PATENT-APPL-SN-534266	c 35	N76-24523*	#	US-PATENT-APPL-SN-554959	c 27	N79-21191*	#	US-PATENT-APPL-SN-574208	c 37	N76-29590*	#
US-PATENT-APPL-SN-534295	c 15	N71-21076*		US-PATENT-APPL-SN-555189	c 08	N71-27255*		US-PATENT-APPL-SN-574218	c 52	N76-29895*	#
US-PATENT-APPL-SN-534564	c 10	N71-22961*		US-PATENT-APPL-SN-555336	c 27	N79-12221*	#	US-PATENT-APPL-SN-574219	c 35	N76-31490*	#
US-PATENT-APPL-SN-534901	c 14	N70-36807*	#	US-PATENT-APPL-SN-555334	c 11	N72-25288*	#	US-PATENT-APPL-SN-574280	c 15	N69-21460*	#
US-PATENT-APPL-SN-534931	c 37	N80-14395*	#	US-PATENT-APPL-SN-555335	c 14	N73-20474*	#	US-PATENT-APPL-SN-574282	c 15	N69-23190*	#
US-PATENT-APPL-SN-534966	c 15	N71-24042*		US-PATENT-APPL-SN-555336	c 14	N72-29464*	#	US-PATENT-APPL-SN-574282	c 15	N71-23025*	
US-PATENT-APPL-SN-534975	c 14	N71-24232*		US-PATENT-APPL-SN-555337	c 18	N72-25540*	#	US-PATENT-APPL-SN-574283	c 14	N69-24257*	#
US-PATENT-APPL-SN-535169	c 54	N78-17678*	#	US-PATENT-APPL-SN-555641	c 51	N76-28981*	#	US-PATENT-APPL-SN-574284	c 08	N71-19763*	
US-PATENT-APPL-SN-535304	c 09	N71-28810*		US-PATENT-APPL-SN-555750	c 27	N79-12221*	#	US-PATENT-APPL-SN-574290	c 14	N71-20439*	
US-PATENT-APPL-SN-535410	c 37	N76-15457*	#	US-PATENT-APPL-SN-556784	c 09	N71-20447*		US-PATENT-APPL-SN-575291	c 33	N71-29151*	
US-PATENT-APPL-SN-536210	c 17	N71-24830*		US-PATENT-APPL-SN-556830	c 15	N71-26294*		US-PATENT-APPL-SN-575475	c		

US-PATENT-APPL-SN-578241	c 52	N76-29896* #	US-PATENT-APPL-SN-596788	c 33	N76-21390* #	US-PATENT-APPL-SN-617022	c 07	N69-27462* #
US-PATENT-APPL-SN-578397	c 20	N79-21124* #	US-PATENT-APPL-SN-596905	c 24	N77-19170* #	US-PATENT-APPL-SN-617202	c 74	N77-28933* #
US-PATENT-APPL-SN-578700	c 43	N82-13465* #	US-PATENT-APPL-SN-597430	c 44	N81-29525* #	US-PATENT-APPL-SN-617612	c 52	N77-10780* #
US-PATENT-APPL-SN-578916	c 14	N71-23036* #	US-PATENT-APPL-SN-597430	c 44	N82-28780* #	US-PATENT-APPL-SN-617770	c 14	N71-23267* #
US-PATENT-APPL-SN-578923	c 15	N71-21403* #	US-PATENT-APPL-SN-598118	c 15	N69-27490* #	US-PATENT-APPL-SN-617774	c 18	N71-16124* #
US-PATENT-APPL-SN-578925	c 23	N71-16355* #	US-PATENT-APPL-SN-598119	c 08	N71-19437* #	US-PATENT-APPL-SN-617775	c 06	N71-28807* #
US-PATENT-APPL-SN-578926	c 06	N69-39936* #	US-PATENT-APPL-SN-598120	c 08	N71-18602* #	US-PATENT-APPL-SN-617776	c 18	N69-39895* #
US-PATENT-APPL-SN-578928	c 26	N71-21824* #	US-PATENT-APPL-SN-598504	c 37	N77-14477* #	US-PATENT-APPL-SN-617778	c 14	N71-26244* #
US-PATENT-APPL-SN-578931	c 23	N71-21882* #	US-PATENT-APPL-SN-59892	c 06	N73-30097* #	US-PATENT-APPL-SN-617779	c 09	N69-39929* #
US-PATENT-APPL-SN-578932	c 08	N71-12505* #	US-PATENT-APPL-SN-59892	c 15	N74-27360* #	US-PATENT-APPL-SN-617783	c 15	N69-24266* #
US-PATENT-APPL-SN-579121	c 15	N71-29136* #	US-PATENT-APPL-SN-59893	c 15	N72-25456* #	US-PATENT-APPL-SN-617895	c 32	N77-14292* #
US-PATENT-APPL-SN-579300	c 20	N79-21213* #	US-PATENT-APPL-SN-59894	c 23	N73-13652* #	US-PATENT-APPL-SN-618594	c 37	N77-13181* #
US-PATENT-APPL-SN-579375	c 07	N77-14025* #	US-PATENT-APPL-SN-59895	c 15	N72-20445* #	US-PATENT-APPL-SN-61894	c 12	N72-21310* #
US-PATENT-APPL-SN-579376	c 20	N79-21215* #	US-PATENT-APPL-SN-598967	c 31	N77-10229* #	US-PATENT-APPL-SN-61895	c 07	N72-33146* #
US-PATENT-APPL-SN-579989	c 34	N77-32413* #	US-PATENT-APPL-SN-598968	c 33	N77-17354* #	US-PATENT-APPL-SN-618969	c 05	N71-26333* #
US-PATENT-APPL-SN-580365	c 15	N71-23255* #	US-PATENT-APPL-SN-598969	c 44	N78-17460* #	US-PATENT-APPL-SN-619519	c 32	N71-16106* #
US-PATENT-APPL-SN-58147	c 28	N70-33356* #	US-PATENT-APPL-SN-599284	c 35	N77-14411* #	US-PATENT-APPL-SN-619520	c 05	N69-21380* #
US-PATENT-APPL-SN-581514	c 70	N75-26789* #	US-PATENT-APPL-SN-59956	c 14	N72-27411* #	US-PATENT-APPL-SN-619521	c 06	N69-39889* #
US-PATENT-APPL-SN-581750	c 07	N78-17055* #	US-PATENT-APPL-SN-59966	c 21	N72-25595* #	US-PATENT-APPL-SN-619903	c 15	N69-27505* #
US-PATENT-APPL-SN-581751	c 37	N78-10468* #	US-PATENT-APPL-SN-59968	c 15	N72-27484* #	US-PATENT-APPL-SN-619907	c 09	N69-21543* #
US-PATENT-APPL-SN-581843	c 31	N79-21226* #	US-PATENT-APPL-SN-59969	c 09	N72-25249* #	US-PATENT-APPL-SN-619908	c 08	N71-20571* #
US-PATENT-APPL-SN-582171	c 32	N71-16428* #	US-PATENT-APPL-SN-59975	c 08	N69-21928* #	US-PATENT-APPL-SN-619986	c 37	N75-32465* #
US-PATENT-APPL-SN-582213	c 32	N74-22096* #	US-PATENT-APPL-SN-600266	c 14	N71-20430* #	US-PATENT-APPL-SN-620675	c 35	N78-19466* #
US-PATENT-APPL-SN-582318	c 33	N76-27472* #	US-PATENT-APPL-SN-600682	c 14	N71-20461* #	US-PATENT-APPL-SN-621098	c 09	N71-20446* #
US-PATENT-APPL-SN-582609	c 10	N71-19467* #	US-PATENT-APPL-SN-601228	c 15	N71-17652* #	US-PATENT-APPL-SN-621714	c 15	N71-19569* #
US-PATENT-APPL-SN-583055	c 07	N78-18067* #	US-PATENT-APPL-SN-601229	c 14	N71-26474* #	US-PATENT-APPL-SN-621715	c 05	N71-11207* #
US-PATENT-APPL-SN-583056	c 37	N78-17384* #	US-PATENT-APPL-SN-602617	c 37	N77-23483* #	US-PATENT-APPL-SN-621742	c 28	N71-23968* #
US-PATENT-APPL-SN-583219	c 43	N82-13465* #	US-PATENT-APPL-SN-602618	c 44	N76-31667* #	US-PATENT-APPL-SN-623156	c 04	N77-19056* #
US-PATENT-APPL-SN-583485	c 33	N77-28385* #	US-PATENT-APPL-SN-60276	c 22	N73-32528* #	US-PATENT-APPL-SN-623187	c 34	N77-19353* #
US-PATENT-APPL-SN-583486	c 33	N77-26386* #	US-PATENT-APPL-SN-602828	c 09	N71-13531* #	US-PATENT-APPL-SN-623188	c 54	N77-21844* #
US-PATENT-APPL-SN-583487	c 52	N76-19785* #	US-PATENT-APPL-SN-603396	c 14	N69-23191* #	US-PATENT-APPL-SN-623238	c 51	N77-25769* #
US-PATENT-APPL-SN-584015	c 14	N71-26475* #	US-PATENT-APPL-SN-603397	c 26	N71-23292* #	US-PATENT-APPL-SN-623389	c 31	N81-15154* #
US-PATENT-APPL-SN-584066	c 10	N71-20852* #	US-PATENT-APPL-SN-604374	c 44	N76-29699* #	US-PATENT-APPL-SN-623536	c 09	N78-18083* #
US-PATENT-APPL-SN-584067	c 07	N71-12392* #	US-PATENT-APPL-SN-605090	c 15	N71-19485* #	US-PATENT-APPL-SN-625732	c 35	N77-18417* #
US-PATENT-APPL-SN-584070	c 09	N69-27500* #	US-PATENT-APPL-SN-605091	c 15	N71-26346* #	US-PATENT-APPL-SN-625733	c 26	N77-28265* #
US-PATENT-APPL-SN-584071	c 26	N71-16037* #	US-PATENT-APPL-SN-605092	c 05	N71-23317* #	US-PATENT-APPL-SN-625734	c 35	N78-10428* #
US-PATENT-APPL-SN-584072	c 15	N69-39786* #	US-PATENT-APPL-SN-605093	c 17	N71-24911* #	US-PATENT-APPL-SN-625759	c 37	N77-14478* #
US-PATENT-APPL-SN-584094	c 26	N77-20201* #	US-PATENT-APPL-SN-605094	c 09	N71-24808* #	US-PATENT-APPL-SN-625781	c 33	N77-31404* #
US-PATENT-APPL-SN-584914	c 54	N78-17679* #	US-PATENT-APPL-SN-605095	c 10	N71-19417* #	US-PATENT-APPL-SN-626376	c 05	N71-11189* #
US-PATENT-APPL-SN-585217	c 54	N78-17677* #	US-PATENT-APPL-SN-605096	c 15	N71-24834* #	US-PATENT-APPL-SN-626942	c 51	N77-27677* #
US-PATENT-APPL-SN-585420	c 35	N76-31489* #	US-PATENT-APPL-SN-605097	c 14	N69-21923* #	US-PATENT-APPL-SN-627257	c 08	N71-12504* #
US-PATENT-APPL-SN-585988	c 33	N75-29318* #	US-PATENT-APPL-SN-605098	c 09	N71-26092* #	US-PATENT-APPL-SN-627599	c 18	N71-16046* #
US-PATENT-APPL-SN-586324	c 05	N71-26293* #	US-PATENT-APPL-SN-605099	c 09	N71-23548* #	US-PATENT-APPL-SN-628094	c 16	N71-20400* #
US-PATENT-APPL-SN-586325	c 31	N71-24315* #	US-PATENT-APPL-SN-605100	c 15	N71-21536* #	US-PATENT-APPL-SN-628221	c 07	N78-18066* #
US-PATENT-APPL-SN-586329	c 05	N71-24623* #	US-PATENT-APPL-SN-605102	c 09	N69-39987* #	US-PATENT-APPL-SN-628246	c 15	N71-17687* #
US-PATENT-APPL-SN-586330	c 05	N71-12344* #	US-PATENT-APPL-SN-60531	c 28	N70-37980* #	US-PATENT-APPL-SN-628247	c 09	N69-21542* #
US-PATENT-APPL-SN-586635	c 21	N71-15642* #	US-PATENT-APPL-SN-60536	c 02	N70-38009* #	US-PATENT-APPL-SN-628248	c 14	N69-27432* #
US-PATENT-APPL-SN-586851	c 31	N71-24813* #	US-PATENT-APPL-SN-605518	c 15	N71-23023* #	US-PATENT-APPL-SN-628456	c 37	N77-14479* #
US-PATENT-APPL-SN-588671	c 03	N71-23354* #	US-PATENT-APPL-SN-605984	c 06	N73-30103* #	US-PATENT-APPL-SN-629457	c 35	N77-32454* #
US-PATENT-APPL-SN-588721	c 27	N78-33228* #	US-PATENT-APPL-SN-605994	c 06	N73-30101* #	US-PATENT-APPL-SN-629458	c 35	N78-17357* #
US-PATENT-APPL-SN-589119	c 32	N77-32342* #	US-PATENT-APPL-SN-606027	c 06	N73-30099* #	US-PATENT-APPL-SN-629759	c 15	N71-16076* #
US-PATENT-APPL-SN-589172	c 27	N79-14214* #	US-PATENT-APPL-SN-606036	c 06	N73-30100* #	US-PATENT-APPL-SN-630579	c 35	N77-24454* #
US-PATENT-APPL-SN-589173	c 32	N77-12240* #	US-PATENT-APPL-SN-606462	c 08	N71-24891* #	US-PATENT-APPL-SN-630583	c 33	N77-24375* #
US-PATENT-APPL-SN-589233	c 33	N77-14335* #	US-PATENT-APPL-SN-606463	c 14	N71-24864* #	US-PATENT-APPL-SN-631341	c 60	N78-17691* #
US-PATENT-APPL-SN-590141	c 03	N69-24267* #	US-PATENT-APPL-SN-606464	c 15	N71-18579* #	US-PATENT-APPL-SN-63144	c 16	N72-28521* #
US-PATENT-APPL-SN-590144	c 15	N71-15606* #	US-PATENT-APPL-SN-606891	c 44	N77-14581* #	US-PATENT-APPL-SN-631848	c 09	N71-12514* #
US-PATENT-APPL-SN-590145	c 07	N69-39980* #	US-PATENT-APPL-SN-607461	c 05	N71-12346* #	US-PATENT-APPL-SN-63195	c 14	N72-27408* #
US-PATENT-APPL-SN-590146	c 09	N69-21926* #	US-PATENT-APPL-SN-607484	c 09	N71-26002* #	US-PATENT-APPL-SN-632104	c 09	N71-10470* #
US-PATENT-APPL-SN-590147	c 15	N71-21489* #	US-PATENT-APPL-SN-607608	c 14	N69-27484* #	US-PATENT-APPL-SN-632111	c 37	N79-10422* #
US-PATENT-APPL-SN-590158	c 05	N71-24147* #	US-PATENT-APPL-SN-607989	c 09	N76-23273* #	US-PATENT-APPL-SN-632112	c 35	N77-22449* #
US-PATENT-APPL-SN-590159	c 09	N69-24234* #	US-PATENT-APPL-SN-608247	c 15	N71-20813* #	US-PATENT-APPL-SN-632152	c 10	N71-24798* #
US-PATENT-APPL-SN-590182	c 37	N76-29588* #	US-PATENT-APPL-SN-608482	c 74	N77-20882* #	US-PATENT-APPL-SN-632154	c 09	N69-39984* #
US-PATENT-APPL-SN-590183	c 74	N79-13855* #	US-PATENT-APPL-SN-608483	c 09	N77-19076* #	US-PATENT-APPL-SN-632162	c 14	N69-39937* #
US-PATENT-APPL-SN-590975	c 44	N78-31525* #	US-PATENT-APPL-SN-60876	c 15	N72-27485* #	US-PATENT-APPL-SN-632163	c 30	N71-23723* #
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US-PATENT-APPL-SN-688742	c 15	N71-20441*	US-PATENT-APPL-SN-706013	c 33	N71-27862*	US-PATENT-APPL-SN-724874	c 76	N78-24950* #
US-PATENT-APPL-SN-688743	c 15	N71-20393*	US-PATENT-APPL-SN-706073	c 76	N79-11920* #	US-PATENT-APPL-SN-725405	c 15	N71-26134* #
US-PATENT-APPL-SN-688805	c 14	N71-17701*	US-PATENT-APPL-SN-706424	c 27	N78-32256* #	US-PATENT-APPL-SN-725432	c 07	N71-24622* #
US-PATENT-APPL-SN-688807	c 03	N71-23239*	US-PATENT-APPL-SN-706424	c 27	N80-10358* #	US-PATENT-APPL-SN-725475	c 31	N71-15643* #
US-PATENT-APPL-SN-688852	c 44	N78-28594* #	US-PATENT-APPL-SN-706424	c 27	N80-24438* #	US-PATENT-APPL-SN-725719	c 15	N71-26243* #
US-PATENT-APPL-SN-688854	c 54	N77-32722* #	US-PATENT-APPL-SN-706425	c 33	N78-10376* #	US-PATENT-APPL-SN-726898	c 12	N71-17579* #
US-PATENT-APPL-SN-688856	c 54	N78-32720* #	US-PATENT-APPL-SN-706564	c 14	N71-17587* #	US-PATENT-APPL-SN-727444	c 31	N81-15154* #
US-PATENT-APPL-SN-688868	c 15	N71-17686*	US-PATENT-APPL-SN-707124	c 44	N77-22606* #	US-PATENT-APPL-SN-727480	c 14	N71-17658* #
US-PATENT-APPL-SN-689455	c 54	N74-32546* #	US-PATENT-APPL-SN-707125	c 39	N78-18387* #	US-PATENT-APPL-SN-727503	c 08	N81-19130* #
US-PATENT-APPL-SN-690163	c 14	N71-18465*	US-PATENT-APPL-SN-707440	c 06	N73-30102* #	US-PATENT-APPL-SN-728234	c 03	N71-12255* #
US-PATENT-APPL-SN-690172	c 11	N72-22245* #	US-PATENT-APPL-SN-707495	c 11	N71-18773*	US-PATENT-APPL-SN-728369	c 52	N76-33835* #
US-PATENT-APPL-SN-690815	c 32	N77-24238* #	US-PATENT-APPL-SN-708658	c 33	N77-26385* #	US-PATENT-APPL-SN-729299	c 03	N72-15986* #
US-PATENT-APPL-SN-690816	c 37	N78-25426* #	US-PATENT-APPL-SN-708660	c 34	N78-27357* #	US-PATENT-APPL-SN-730045	c 32	N78-24391* #
US-PATENT-APPL-SN-690997	c 16	N71-24828*	US-PATENT-APPL-SN-708660	c 26	N78-24333* #	US-PATENT-APPL-SN-730046	c 35	N78-32396* #
US-PATENT-APPL-SN-690998	c 30	N71-15990*	US-PATENT-APPL-SN-708795	c 37	N78-28487* #	US-PATENT-APPL-SN-730162	c 09	N79-18599* #
US-PATENT-APPL-SN-691046	c 36	N77-25501* #	US-PATENT-APPL-SN-708796	c 36	N78-18410* #	US-PATENT-APPL-SN-730458	c 25	N79-11152* #
US-PATENT-APPL-SN-691256	c 35	N77-31465* #	US-PATENT-APPL-SN-708800	c 54	N78-17676* #	US-PATENT-APPL-SN-730700	c 07	N71-24583* #
US-PATENT-APPL-SN-691647	c 52	N82-11770* #	US-PATENT-APPL-SN-708951	c 27	N78-31232* #	US-PATENT-APPL-SN-730701	c 12	N71-18615* #
US-PATENT-APPL-SN-691735	c 09	N71-12520* #	US-PATENT-APPL-SN-709398	c 06	N71-13461* #	US-PATENT-APPL-SN-730702	c 33	N71-16356* #
US-PATENT-APPL-SN-691736	c 18	N71-16210*	US-PATENT-APPL-SN-709399	c 16	N71-26154* #	US-PATENT-APPL-SN-730703	c 10	N71-13537* #
US-PATENT-APPL-SN-691737	c 07	N71-24742*	US-PATENT-APPL-SN-709415	c 44	N78-27515* #	US-PATENT-APPL-SN-730733	c 28	N71-16224* #
US-PATENT-APPL-SN-691738	c 08	N71-18694*	US-PATENT-APPL-SN-709622	c 33	N71-24858*	US-PATENT-APPL-SN-730734	c 15	N71-17654* #
US-PATENT-APPL-SN-691739	c 32	N71-15974*	US-PATENT-APPL-SN-70967	c 07	N73-13149* #	US-PATENT-APPL-SN-730778	c 32	N79-10264* #
US-PATENT-APPL-SN-691909	c 05	N71-24606*	US-PATENT-APPL-SN-70967	c 32	N74-10132* #	US-PATENT-APPL-SN-731388	c 15	N71-24835* #
US-PATENT-APPL-SN-691936	c 26	N77-32279* #	US-PATENT-APPL-SN-709849	c 52	N77-25772* #	US-PATENT-APPL-SN-732455	c 22	N71-28759* #
US-PATENT-APPL-SN-692090	c 15	N72-21463* #	US-PATENT-APPL-SN-710032	c 54	N77-30749* #	US-PATENT-APPL-SN-732630	c 36	N78-14380* #
US-PATENT-APPL-SN-692284	c 27	N78-14164* #	US-PATENT-APPL-SN-710035	c 44	N78-24608* #	US-PATENT-APPL-SN-73285	c 15	N72-28495* #
US-PATENT-APPL-SN-692331	c 10	N71-26326*	US-PATENT-APPL-SN-710036	c 44	N78-32539* #	US-PATENT-APPL-SN-732917	c 14	N71-17575* #
US-PATENT-APPL-SN-692332	c 07	N71-11281*	US-PATENT-APPL-SN-71047	c 09	N72-21247* #	US-PATENT-APPL-SN-732921	c 10	N71-26544* #
US-PATENT-APPL-SN-692413	c 25	N78-25148* #	US-PATENT-APPL-SN-71048	c 18	N73-12604* #	US-PATENT-APPL-SN-732922	c 17	N71-28747* #
US-PATENT-APPL-SN-692414	c 32	N77-24331* #	US-PATENT-APPL-SN-710533	c 02	N71-11043* #	US-PATENT-APPL-SN-733039	c 07	N72-12081* #
US-PATENT-APPL-SN-692471	c 09	N71-12518* #	US-PATENT-APPL-SN-710561	c 09	N71-12517* #	US-PATENT-APPL-SN-73310	c 09	N72-25247* #
US-PATENT-APPL-SN-692636	c 27	N81-24258* #	US-PATENT-APPL-SN-710562	c 31	N71-16085*	US-PATENT-APPL-SN-73367	c 14	N71-15969* #
US-PATENT-APPL-SN-693074	c 44	N78-24609* #	US-PATENT-APPL-SN-710621	c 06	N73-27086* #	US-PATENT-APPL-SN-733825	c 31	N79-11246* #
US-PATENT-APPL-SN-693419	c 31	N71-16222*	US-PATENT-APPL-SN-710945	c 33	N71-15568*	US-PATENT-APPL-SN-73422	c 15	N72-25454* #
US-PATENT-APPL-SN-693420	c 31	N71-16080*	US-PATENT-APPL-SN-710949	c 12	N71-17631*	US-PATENT-APPL-SN-734805	c 14	N70-34816* #
US-PATENT-APPL-SN-694246	c 15	N71-26673*	US-PATENT-APPL-SN-711898	c 18	N71-24934*	US-PATENT-APPL-SN-734901	c 27	N78-17205* #
US-PATENT-APPL-SN-694247	c 09	N69-21927*	US-PATENT-APPL-SN-711903	c 18	N71-26772*	US-PATENT-APPL-SN-734902	c 24	N78-14096* #
US-PATENT-APPL-SN-694317	c 12	N71-20436*	US-PATENT-APPL-SN-711921	c 18	N71-16105*	US-PATENT-APPL-SN-735911	c 14	N70-41946* #
US-PATENT-APPL-SN-694340	c 11	N71-17600*	US-PATENT-APPL-SN-711970	c 09	N71-18830*	US-PATENT-APPL-SN-736286	c 32	N79-11265* #
US-PATENT-APPL-SN-694345	c 10	N71-23669*	US-PATENT-APPL-SN-711971	c 09	N71-23598*	US-PATENT-APPL-SN-736484	c 23	N71-16212* #
US-PATENT-APPL-SN-694406	c 35	N79-10389* #	US-PATENT-APPL-SN-711972	c 06	N71-24607*	US-PATENT-APPL-SN-736909	c 37	N79-11404* #
US-PATENT-APPL-SN-694407	c 27	N80-23452* #	US-PATENT-APPL-SN-712065	c 08	N71-12503*	US-PATENT-APPL-SN-736910	c 27	N78-32260* #
US-PATENT-APPL-SN-694855	c 33	N77-30365* #	US-PATENT-APPL-SN-712099	c 23	N71-24868*	US-PATENT-APPL-SN-737974	c 33	N78-18308* #
US-PATENT-APPL-SN-694884	c 23	N75-14834* #	US-PATENT-APPL-SN-712270	c 52	N79-27836* #	US-PATENT-APPL-SN-738119	c 18	N71-15545* #
US-PATENT-APPL-SN-695513	c 07	N78-25089* #	US-PATENT-APPL-SN-712419	c 35	N78-14364* #	US-PATENT-APPL-SN-738218	c 37	N78-27425* #
US-PATENT-APPL-SN-695973	c 05	N71-12343*	US-PATENT-APPL-SN-712658	c 07	N71-19773*	US-PATENT-APPL-SN-738314	c 12	N71-17573* #
US-PATENT-APPL-SN-696374	c 44	N80-29835* #	US-PATENT-APPL-SN-712981	c 31	N78-25256* #	US-PATENT-APPL-SN-738315	c 14	N71-27334* #
US-PATENT-APPL-SN-696679	c 38	N79-14398* #	US-PATENT-APPL-SN-713027	c 37	N79-10419* #	US-PATENT-APPL-SN-738315	c 14	N72-31446* #
US-PATENT-APPL-SN-696989	c 27	N77-30237* #	US-PATENT-APPL-SN-713162	c 06	N71-26754*	US-PATENT-APPL-SN-73834	c 15	N72-23497* #
US-PATENT-APPL-SN-697075	c 15	N71-27184*	US-PATENT-APPL-SN-713188	c 08	N71-33110*	US-PATENT-APPL-SN-738072	c 33	N75-27251* #
US-PATENT-APPL-SN-697341	c 09	N71-23188*	US-PATENT-APPL-SN-713616	c 06	N71-27363*	US-PATENT-APPL-SN-73922	c 14	N73-25461* #
US-PATENT-APPL-SN-698239	c 33	N78-17294*	US-PATENT-APPL-SN-714158	c 33	N78-13320* #	US-PATENT-APPL-SN-73932	c 15	N72-22485* #
US-PATENT-APPL-SN-698592	c 15	N71-18580*	US-PATENT-APPL-SN-714296	c 14	N71-15604*	US-PATENT-APPL-SN-739391	c 09	N72-17156* #
US-PATENT-APPL-SN-698629	c 09	N71-12516*	US-PATENT-APPL-SN-714595	c 15	N71-17822*	US-PATENT-APPL-SN-739908	c 15	N78-25119* #
US-PATENT-APPL-SN-698630	c 09	N71-24841*	US-PATENT-APPL-SN-715485	c 74	N78-14889*	US-PATENT-APPL-SN-739909	c 37	N78-24545* #
US-PATENT-APPL-SN-698646	c 24	N78-15180*	US-PATENT-APPL-SN-715975	c 06	N71-11240*	US-PATENT-APPL-SN-739914	c 33	N78-10375* #
US-PATENT-APPL-SN-699002	c 32	N78-15323*	US-PATENT-APPL-SN-716183	c 15	N71-18132*	US-PATENT-APPL-SN-739915	c 37	N78-24544* #
US-PATENT-APPL-SN-699012	c 33	N78-27326*	US-PATENT-APPL-SN-716734	c 15	N71-17628*	US-PATENT-APPL-SN-739927	c 32	N71-16103* #
US-PATENT-APPL-SN-700040	c 18	N72-23581*	US-PATENT-APPL-SN-716795	c 14	N71-20435*	US-PATENT-APPL-SN-740153	c 28	N79-11231* #
US-PATENT-APPL-SN-700120	c 15	N71-20440*	US-PATENT-APPL-SN-716885	c 74	N78-33913* #	US-PATENT-APPL-SN-740155	c 74	N78-27904* #
US-PATENT-APPL-SN-700142	c 21	N71-14159*	US-PATENT-APPL-SN-717052	c 14	N71-17626*	US-PATENT-APPL-SN-740156	c 71	N78-14867* #
US-PATENT-APPL-SN-700174	c 02	N71-20570*	US-PATENT-APPL-SN-717319	c 44	N77-31601*	US-PATENT-APPL-SN-740457	c 35	N78-32395* #
US-PATENT-APPL-SN-700322	c 11	N73-12264*	US-PATENT-APPL-SN-717320	c 44	N78-15560*	US-PATENT-APPL-SN-741056	c 07	N81-19116* #
US-PATENT-APPL-SN-700467	c 52	N79-14749*	US-PATENT-APPL-SN-717822	c 09	N71-25666*	US-PATENT-APPL-SN-741461	c 12	N71-18603* #
US-PATENT-APPL-SN-700541	c 10	N71-25139*	US-PATENT-APPL-SN-718095	c 28	N70-39899*	US-PATENT-APPL-SN-741749	c 52	N79-14751* #
US-PATENT-APPL-SN-700566	c 15	N71-19570*	US-PATENT-APPL-SN-718137	c 44	N78-31527*	US-PATENT-APPL-SN-741824	c 07	N71-23889* #
US-PATENT-APPL-SN-700673	c 39	N77-28511*	US-PATENT-APPL-SN-718244	c 05	N78-32086*	US-PATENT-APPL-SN-742034	c 33	N78-10377* #
US-PATENT-APPL-SN-700984	c 11	N71-19494*	US-PATENT-APPL-SN-718266	c 74	N78-17867*	US-PATENT-APPL-SN-742816	c 14	N71-17656* #
US-PATENT-APPL-SN-700985	c 15	N69-23190*	US-PATENT-APPL-SN-718267	c 26	N78-29260*	US-PATENT-APPL-SN-743249	c 35	N78-32456* #
US-PATENT-APPL-SN-700986	c 12	N71-26387*	US-PATENT-APPL-SN-718268	c 44	N78-33526*	US-PATENT-APPL-SN-743429	c 07	N71-11285* #
US-PATENT-APPL-SN-700987	c 09	N71-19610*	US-PATENT-APPL-SN-718279	c 15	N71-26312*	US-PATENT-APPL-SN-743525	c 07	N71-28430* #
US-PATENT-APPL-SN-701244	c 05	N70-20096*	US-PATENT-APPL-SN-718689	c 14	N71-17655*	US-PATENT-APPL-SN-744477	c 33	N78-25119* #
US-PATENT-APPL-SN-701448	c 52	N78-10686*	US-PATENT-APPL-SN-718744	c 03	N71-18698*	US-PATENT-APPL-SN-744522	c 33	N77-21314* #
US-PATENT-APPL-SN-701635	c 12	N71-17578*	US-PATENT-APPL-SN-718769	c 14	N71-17662*	US-PATENT-APPL-SN-744573	c 44	N78-25531* #
US-PATENT-APPL-SN-701654	c 03	N71-11049*	US-PATENT-APPL-SN-719029	c 14	N71-27186*	US-PATENT-APPL-SN-744574	c 25	N78-14104* #
US-PATENT-APPL-SN-701679	c 02	N71-19287*	US-PATENT-APPL-SN-719173	c 28	N70-33331*	US-PATENT-APPL-SN-744577	c 35	N79-10391* #
US-PATENT-APPL-SN-701769	c 07	N73-20174*	US-PATENT-APPL-SN-719869	c 31	N71-15676*	US-PATENT-APPL-SN-744910	c 15	N71-17649* #
US-PATENT-APPL-SN-701792	c 24	N71-16095*	US-PATENT-APPL-SN-719870	c 07	N71-26292*	US-PATENT-APPL-SN-745337	c 28	N72-20758* #
US-PATENT-APPL-SN-701793	c 10	N71-24844*	US-PATENT-APPL-SN-720041	c 05	N71-27234*	US-PATENT-APPL-SN-745384	c 25	N79-11151* #
US-PATENT-APPL-SN-701794	c 21	N71-13958*	US-PATENT-APPL-SN-720125	c 09	N73-12539*	US-PATENT-APPL-SN-745766	c 37	N79-11403* #
US-PATENT-APPL-SN-701767	c 07	N71-26101*	US-PATENT-APPL-SN-72024	c 09	N73-12211*	US-PATENT-APPL-SN-745852	c 12	N71-17661* #
US-PATENT-APPL-SN-702115	c 71	N79-14871*	US-PATENT-APPL-SN-720521	c 44	N78-25530*	US-PATENT-APPL-SN-746269	c 44	N78-25528* #
US-PATENT-APPL-SN-702396	c 31	N71-16345*	US-PATENT-AP					

US-PATENT-APPL-SN-749420	c 04	N82-16059* #	US-PATENT-APPL-SN-765264	c 02	N71-29128*	US-PATENT-APPL-SN-780874	c 35	N78-28411* #
US-PATENT-APPL-SN-749548	c 10	N71-33129*	US-PATENT-APPL-SN-765738	c 03	N71-11057* #	US-PATENT-APPL-SN-780938	c 54	N80-10799* #
US-PATENT-APPL-SN-750031	c 05	N73-32012* #	US-PATENT-APPL-SN-766170	c 07	N71-24625*	US-PATENT-APPL-SN-782462	c 33	N79-17133* #
US-PATENT-APPL-SN-750235	c 25	N75-14844* #	US-PATENT-APPL-SN-766244	c 15	N71-26721*	US-PATENT-APPL-SN-782463	c 72	N79-13826* #
US-PATENT-APPL-SN-750655	c 74	N78-32854* #	US-PATENT-APPL-SN-766245	c 14	N71-27215*	US-PATENT-APPL-SN-782464	c 32	N79-14267* #
US-PATENT-APPL-SN-750786	c 07	N71-27341*	US-PATENT-APPL-SN-766697	c 09	N71-33519*	US-PATENT-APPL-SN-782480	c 33	N78-32340* #
US-PATENT-APPL-SN-750787	c 10	N71-27126* #	US-PATENT-APPL-SN-766768	c 15	N71-26611*	US-PATENT-APPL-SN-782481	c 44	N78-32542* #
US-PATENT-APPL-SN-750792	c 37	N79-11402* #	US-PATENT-APPL-SN-766999	c 33	N80-22559* #	US-PATENT-APPL-SN-782482	c 33	N79-11315* #
US-PATENT-APPL-SN-750798	c 85	N79-17747* #	US-PATENT-APPL-SN-76699	c 31	N72-18859* #	US-PATENT-APPL-SN-782544	c 14	N71-27325* #
US-PATENT-APPL-SN-751061	c 18	N71-29040*	US-PATENT-APPL-SN-767741	c 09	N72-27228* #	US-PATENT-APPL-SN-782693	c 33	N79-10337* #
US-PATENT-APPL-SN-751198	c 03	N71-24718*	US-PATENT-APPL-SN-767911	c 09	N78-31129* #	US-PATENT-APPL-SN-782955	c 07	N71-33108* #
US-PATENT-APPL-SN-751215	c 22	N72-20597* #	US-PATENT-APPL-SN-767912	c 27	N79-14214* #	US-PATENT-APPL-SN-782956	c 10	N71-25865* #
US-PATENT-APPL-SN-751266	c 15	N71-33518*	US-PATENT-APPL-SN-768336	c 15	N71-17648*	US-PATENT-APPL-SN-783374	c 15	N71-27147* #
US-PATENT-APPL-SN-752050	c 07	N81-19115* #	US-PATENT-APPL-SN-768470	c 09	N71-28421*	US-PATENT-APPL-SN-783375	c 07	N71-24621* #
US-PATENT-APPL-SN-752729	c 09	N71-26787*	US-PATENT-APPL-SN-768473	c 14	N71-17657*	US-PATENT-APPL-SN-783377	c 05	N71-28619* #
US-PATENT-APPL-SN-752748	c 35	N78-25391* #	US-PATENT-APPL-SN-768662	c 07	N73-25160* #	US-PATENT-APPL-SN-783378	c 07	N71-19436* #
US-PATENT-APPL-SN-752946	c 15	N71-29032*	US-PATENT-APPL-SN-768795	c 33	N79-10339* #	US-PATENT-APPL-SN-783379	c 15	N71-17653* #
US-PATENT-APPL-SN-752947	c 31	N71-15689*	US-PATENT-APPL-SN-768942	c 48	N74-23068* #	US-PATENT-APPL-SN-784055	c 15	N72-11390* #
US-PATENT-APPL-SN-753103	c 37	N80-14397* #	US-PATENT-APPL-SN-76899	c 09	N72-22201* #	US-PATENT-APPL-SN-784521	c 14	N71-15620* #
US-PATENT-APPL-SN-753452	c 07	N79-14096*	US-PATENT-APPL-SN-769148	c 52	N79-10724* #	US-PATENT-APPL-SN-784544	c 15	N72-12408* #
US-PATENT-APPL-SN-753964	c 24	N78-27180* #	US-PATENT-APPL-SN-769149	c 33	N78-32339* #	US-PATENT-APPL-SN-785078	c 03	N72-27053* #
US-PATENT-APPL-SN-753965	c 54	N78-31735* #	US-PATENT-APPL-SN-769592	c 15	N72-16330* #	US-PATENT-APPL-SN-785257	c 44	N79-14526* #
US-PATENT-APPL-SN-753965	c 54	N79-24651* #	US-PATENT-APPL-SN-769665	c 15	N72-11387*	US-PATENT-APPL-SN-785279	c 27	N81-14077* #
US-PATENT-APPL-SN-753974	c 16	N71-33410*	US-PATENT-APPL-SN-769798	c 07	N71-11300*	US-PATENT-APPL-SN-785546	c 10	N71-25882* #
US-PATENT-APPL-SN-753978	c 54	N78-17675*	US-PATENT-APPL-SN-770203	c 05	N71-11195*	US-PATENT-APPL-SN-785595	c 10	N71-24861* #
US-PATENT-APPL-SN-753977	c 74	N79-12890*	US-PATENT-APPL-SN-770209	c 08	N71-27057*	US-PATENT-APPL-SN-785611	c 15	N71-24600* #
US-PATENT-APPL-SN-753978	c 54	N78-32721* #	US-PATENT-APPL-SN-770371	c 15	N71-24599*	US-PATENT-APPL-SN-785613	c 05	N72-25119* #
US-PATENT-APPL-SN-754019	c 09	N71-25999*	US-PATENT-APPL-SN-770398	c 06	N71-27254*	US-PATENT-APPL-SN-785615	c 05	N72-20098* #
US-PATENT-APPL-SN-754020	c 12	N71-27332*	US-PATENT-APPL-SN-770398	c 06	N72-27144*	US-PATENT-APPL-SN-785620	c 21	N71-27324* #
US-PATENT-APPL-SN-754055	c 07	N71-24624*	US-PATENT-APPL-SN-770417	c 06	N73-33076*	US-PATENT-APPL-SN-785710	c 05	N71-24730* #
US-PATENT-APPL-SN-754066	c 39	N78-15512*	US-PATENT-APPL-SN-770425	c 06	N72-20212*	US-PATENT-APPL-SN-785780	c 18	N71-28729* #
US-PATENT-APPL-SN-75431	c 21	N72-31637*	US-PATENT-APPL-SN-770869	c 44	N78-25527*	US-PATENT-APPL-SN-786322	c 32	N79-20296* #
US-PATENT-APPL-SN-755310	c 25	N78-15210*	US-PATENT-APPL-SN-771216	c 14	N72-17329*	US-PATENT-APPL-SN-786322	c 14	N72-17324* #
US-PATENT-APPL-SN-755323	c 74	N79-11865*	US-PATENT-APPL-SN-771245	c 27	N81-14076*	US-PATENT-APPL-SN-78668	c 10	N72-17173* #
US-PATENT-APPL-SN-756260	c 23	N71-26722*	US-PATENT-APPL-SN-771523	c 10	N71-18772*	US-PATENT-APPL-SN-786913	c 27	N79-12221* #
US-PATENT-APPL-SN-756266	c 15	N71-26145*	US-PATENT-APPL-SN-771530	c 09	N72-12136*	US-PATENT-APPL-SN-78703	c 15	N73-20514* #
US-PATENT-APPL-SN-756381	c 06	N71-25929*	US-PATENT-APPL-SN-771659	c 14	N72-21408*	US-PATENT-APPL-SN-78704	c 05	N72-25212* #
US-PATENT-APPL-SN-756511	c 09	N71-27016*	US-PATENT-APPL-SN-771759	c 09	N71-29008*	US-PATENT-APPL-SN-78717	c 05	N73-13114* #
US-PATENT-APPL-SN-756834	c 15	N72-21466*	US-PATENT-APPL-SN-771760	c 10	N71-25917*	US-PATENT-APPL-SN-787393	c 23	N71-26206* #
US-PATENT-APPL-SN-757017	c 35	N77-21393*	US-PATENT-APPL-SN-771803	c 07	N71-12391*	US-PATENT-APPL-SN-787410	c 15	N71-19213* #
US-PATENT-APPL-SN-757625	c 09	N71-26701*	US-PATENT-APPL-SN-771937	c 10	N71-24862*	US-PATENT-APPL-SN-78766	c 05	N74-10907* #
US-PATENT-APPL-SN-757857	c 10	N71-25900*	US-PATENT-APPL-SN-772006	c 17	N71-33408*	US-PATENT-APPL-SN-787846	c 23	N73-33229* #
US-PATENT-APPL-SN-757861	c 05	N71-11194*	US-PATENT-APPL-SN-772165	c 74	N79-13855*	US-PATENT-APPL-SN-787906	c 03	N71-26084* #
US-PATENT-APPL-SN-757875	c 09	N71-24805*	US-PATENT-APPL-SN-772167	c 25	N79-22235*	US-PATENT-APPL-SN-787911	c 03	N71-28579* #
US-PATENT-APPL-SN-758082	c 15	N71-17805*	US-PATENT-APPL-SN-772168	c 37	N79-20377*	US-PATENT-APPL-SN-788045	c 24	N79-25142* #
US-PATENT-APPL-SN-758390	c 28	N71-26642*	US-PATENT-APPL-SN-772220	c 14	N72-27409*	US-PATENT-APPL-SN-788705	c 35	N78-24515* #
US-PATENT-APPL-SN-758540	c 28	N73-27699*	US-PATENT-APPL-SN-772221	c 08	N72-25210*	US-PATENT-APPL-SN-789043	c 10	N71-26531* #
US-PATENT-APPL-SN-758721	c 52	N79-18580*	US-PATENT-APPL-SN-772434	c 52	N80-14687*	US-PATENT-APPL-SN-789044	c 14	N72-20381* #
US-PATENT-APPL-SN-758942	c 27	N71-14090*	US-PATENT-APPL-SN-772521	c 25	N70-41628*	US-PATENT-APPL-SN-789045	c 15	N72-22489* #
US-PATENT-APPL-SN-759220	c 27	N78-17214*	US-PATENT-APPL-SN-772522	c 02	N70-37393*	US-PATENT-APPL-SN-789278	c 15	N71-24694* #
US-PATENT-APPL-SN-759256	c 07	N71-27233*	US-PATENT-APPL-SN-772526	c 15	N70-33323*	US-PATENT-APPL-SN-789903	c 07	N71-28429* #
US-PATENT-APPL-SN-759457	c 33	N71-16357*	US-PATENT-APPL-SN-773029	c 09	N71-24893*	US-PATENT-APPL-SN-790420	c 09	N71-24595* #
US-PATENT-APPL-SN-759460	c 09	N71-24597*	US-PATENT-APPL-SN-773072	c 10	N71-28241*	US-PATENT-APPL-SN-790637	c 44	N78-25529* #
US-PATENT-APPL-SN-759665	c 14	N71-18481*	US-PATENT-APPL-SN-773530	c 25	N75-29192*	US-PATENT-APPL-SN-791267	c 23	N72-17747* #
US-PATENT-APPL-SN-759965	c 52	N79-26771*	US-PATENT-APPL-SN-774151	c 15	N71-17692*	US-PATENT-APPL-SN-791268	c 33	N72-17947* #
US-PATENT-APPL-SN-760057	c 44	N79-14527*	US-PATENT-APPL-SN-774265	c 10	N71-27365*	US-PATENT-APPL-SN-791288	c 28	N71-25213* #
US-PATENT-APPL-SN-760114	c 28	N72-11709*	US-PATENT-APPL-SN-774266	c 15	N71-26185*	US-PATENT-APPL-SN-791364	c 14	N72-17328* #
US-PATENT-APPL-SN-760389	c 09	N71-24618*	US-PATENT-APPL-SN-774384	c 32	N79-10262*	US-PATENT-APPL-SN-791693	c 05	N71-11203* #
US-PATENT-APPL-SN-760771	c 44	N79-14528*	US-PATENT-APPL-SN-774691	c 10	N71-31273*	US-PATENT-APPL-SN-791888	c 23	N71-24725* #
US-PATENT-APPL-SN-760809	c 24	N78-24290*	US-PATENT-APPL-SN-774733	c 14	N72-24477*	US-PATENT-APPL-SN-792067	c 24	N78-17150* #
US-PATENT-APPL-SN-760810	c 26	N78-32229*	US-PATENT-APPL-SN-775072	c 16	N71-24831*	US-PATENT-APPL-SN-792068	c 51	N79-10693* #
US-PATENT-APPL-SN-760819	c 14	N70-34820*	US-PATENT-APPL-SN-775239	c 37	N79-14382*	US-PATENT-APPL-SN-792069	c 37	N79-10418* #
US-PATENT-APPL-SN-760927	c 26	N71-25490*	US-PATENT-APPL-SN-775870	c 09	N71-24800*	US-PATENT-APPL-SN-792623	c 14	N72-23457* #
US-PATENT-APPL-SN-760928	c 15	N71-28582*	US-PATENT-APPL-SN-775870	c 09	N72-22196*	US-PATENT-APPL-SN-793657	c 17	N72-28536* #
US-PATENT-APPL-SN-761007	c 18	N71-26155*	US-PATENT-APPL-SN-775877	c 02	N71-11039*	US-PATENT-APPL-SN-793770	c 25	N71-15662* #
US-PATENT-APPL-SN-761252	c 27	N80-32515*	US-PATENT-APPL-SN-775966	c 02	N71-11037*	US-PATENT-APPL-SN-793771	c 14	N72-22440* #
US-PATENT-APPL-SN-761404	c 09	N71-12526*	US-PATENT-APPL-SN-776029	c 07	N79-10057*	US-PATENT-APPL-SN-793772	c 10	N71-16722* #
US-PATENT-APPL-SN-762362	c 44	N79-24433*	US-PATENT-APPL-SN-776146	c 44	N79-17313*	US-PATENT-APPL-SN-793823	c 09	N71-33109* #
US-PATENT-APPL-SN-762363	c 44	N79-24432*	US-PATENT-APPL-SN-776146	c 25	N82-21268*	US-PATENT-APPL-SN-794530	c 15	N72-11386* #
US-PATENT-APPL-SN-762438	c 12	N71-17569*	US-PATENT-APPL-SN-776185	c 03	N72-22041*	US-PATENT-APPL-SN-794968	c 15	N71-27146* #
US-PATENT-APPL-SN-762935	c 14	N71-29041*	US-PATENT-APPL-SN-777764	c 15	N71-27214*	US-PATENT-APPL-SN-795182	c 07	N71-24840* #
US-PATENT-APPL-SN-762936	c 31	N69-27499*	US-PATENT-APPL-SN-777765	c 15	N71-29018*	US-PATENT-APPL-SN-795217	c 33	N71-25351* #
US-PATENT-APPL-SN-762956	c 14	N71-26627*	US-PATENT-APPL-SN-777765	c 14	N73-28487*	US-PATENT-APPL-SN-796256	c 52	N80-18691* #
US-PATENT-APPL-SN-762957	c 08	N71-27210*	US-PATENT-APPL-SN-777766	c 31	N71-16221*	US-PATENT-APPL-SN-796258	c 52	N82-22875* #
US-PATENT-APPL-SN-763040	c 14	N72-28438*	US-PATENT-APPL-SN-777818	c 09	N71-27364*	US-PATENT-APPL-SN-796263	c 27	N79-28307* #
US-PATENT-APPL-SN-763355	c 06	N71-28620*	US-PATENT-APPL-SN-777866	c 14	N72-27412*	US-PATENT-APPL-SN-796358	c 05	N72-11085* #
US-PATENT-APPL-SN-763684	c 15	N72-16329*	US-PATENT-APPL-SN-777983	c 32	N79-24210*	US-PATENT-APPL-SN-796360	c 15	N71-24696* #
US-PATENT-APPL-SN-763685	c 15	N71-24910*	US-PATENT-APPL-SN-778195	c 24	N79-16915*	US-PATENT-APPL-SN-796370	c 10	N71-27366* #
US-PATENT-APPL-SN-763705	c 09	N71-18720*	US-PATENT-APPL-SN-77869	c 37	N79-21345*	US-PATENT-APPL-SN-796405	c 14	N71-27185* #
US-PATENT-APPL-SN-763706	c 15	N71-24896*	US-PATENT-APPL-SN-779024	c 10	N71-27271*	US-PATENT-APPL-SN-796685	c 26	N72-28762* #
US-PATENT-APPL-SN-763729	c 12	N71-26546*	US-PATENT-APPL-SN-779025	c 09	N72-23171*	US-PATENT-APPL-SN-796690	c 07	N72-21119* #
US-PATENT-APPL-SN-763743	c 14	N72-21409*	US-PATENT-APPL-SN-779160	c 14	N72-16282*	US-PATENT-APPL-SN-796691	c 10	N71-26334* #
US-PATENT-APPL-SN-763744	c 10	N72-27246*	US-PATENT-APPL-SN-779169	c 09	N71-28618*	US-PATENT-APPL-SN-797056	c 15	N71-25975* #
US-PATENT-APPL-SN-763753	c 43	N78-14452*	US-PATENT-APPL-SN-77941					

US-PATENT-APPL-SN-799025	c 32	N80-29539* #	US-PATENT-APPL-SN-8204	c 31	N70-37981* #	US-PATENT-APPL-SN-839935	c 15	N71-24895*
US-PATENT-APPL-SN-799026	c 44	N79-11468* #	US-PATENT-APPL-SN-820963	c 07	N71-19854* #	US-PATENT-APPL-SN-839941	c 07	N71-26181*
US-PATENT-APPL-SN-799353	c 09	N71-27232* #	US-PATENT-APPL-SN-820964	c 15	N71-28740* #	US-PATENT-APPL-SN-839963	c 27	N79-3316* #
US-PATENT-APPL-SN-799832	c 33	N79-15245* #	US-PATENT-APPL-SN-820965	c 09	N71-13486* #	US-PATENT-APPL-SN-839963	c 27	N81-14078* #
US-PATENT-APPL-SN-800204	c 06	N72-17094* #	US-PATENT-APPL-SN-821586	c 26	N71-14354* #	US-PATENT-APPL-SN-839994	c 28	N71-28915*
US-PATENT-APPL-SN-80029	c 14	N73-32320* #	US-PATENT-APPL-SN-821681	c 35	N78-27384* #	US-PATENT-APPL-SN-840002	c 08	N73-20217* #
US-PATENT-APPL-SN-80029	c 74	N74-20008* #	US-PATENT-APPL-SN-822039	c 06	N72-25149* #	US-PATENT-APPL-SN-840176	c 28	N71-27095*
US-PATENT-APPL-SN-800973	c 16	N71-24832* #	US-PATENT-APPL-SN-822088	c 15	N71-27135* #	US-PATENT-APPL-SN-840308	c 07	N71-33613*
US-PATENT-APPL-SN-801290	c 37	N79-18318* #	US-PATENT-APPL-SN-822089	c 23	N72-23695* #	US-PATENT-APPL-SN-840359	c 23	N71-29125*
US-PATENT-APPL-SN-801290	c 37	N80-26658* #	US-PATENT-APPL-SN-822090	c 16	N71-27183* #	US-PATENT-APPL-SN-840870	c 15	N71-26189*
US-PATENT-APPL-SN-801290	c 37	N82-19540* #	US-PATENT-APPL-SN-822518	c 09	N71-13522* #	US-PATENT-APPL-SN-840983	c 05	N70-33285*
US-PATENT-APPL-SN-801312	c 16	N71-15565* #	US-PATENT-APPL-SN-822519	c 14	N71-28992* #	US-PATENT-APPL-SN-841278	c 33	N77-23116* #
US-PATENT-APPL-SN-801336	c 02	N71-13422* #	US-PATENT-APPL-SN-822534	c 09	N72-11224* #	US-PATENT-APPL-SN-841845	c 14	N73-32317* #
US-PATENT-APPL-SN-801432	c 33	N78-32341* #	US-PATENT-APPL-SN-82279	c 03	N76-32140* #	US-PATENT-APPL-SN-84212	c 27	N74-17283* #
US-PATENT-APPL-SN-801452	c 44	N79-11471* #	US-PATENT-APPL-SN-82280	c 09	N72-25262* #	US-PATENT-APPL-SN-842170	c 11	N70-33278*
US-PATENT-APPL-SN-801660	c 14	N71-26672* #	US-PATENT-APPL-SN-823061	c 44	N79-23481* #	US-PATENT-APPL-SN-842171	c 11	N70-33329*
US-PATENT-APPL-SN-802812	c 10	N72-22235* #	US-PATENT-APPL-SN-823566	c 74	N79-14891* #	US-PATENT-APPL-SN-84289	c 15	N73-14469* #
US-PATENT-APPL-SN-802813	c 15	N72-22487* #	US-PATENT-APPL-SN-824024	c 44	N79-18443* #	US-PATENT-APPL-SN-84290	c 05	N70-20137*
US-PATENT-APPL-SN-802816	c 31	N71-16346* #	US-PATENT-APPL-SN-824042	c 23	N71-29213* #	US-PATENT-APPL-SN-843022	c 11	N70-33287*
US-PATENT-APPL-SN-802818	c 07	N79-29065* #	US-PATENT-APPL-SN-824628	c 34	N78-17337* #	US-PATENT-APPL-SN-843032	c 28	N70-41818* #
US-PATENT-APPL-SN-802820	c 10	N71-13545* #	US-PATENT-APPL-SN-824755	c 09	N70-33182* #	US-PATENT-APPL-SN-843090	c 27	N79-22300* #
US-PATENT-APPL-SN-802948	c 31	N71-33160* #	US-PATENT-APPL-SN-825253	c 16	N69-31343* #	US-PATENT-APPL-SN-843251	c 03	N72-11062*
US-PATENT-APPL-SN-802972	c 09	N71-26678* #	US-PATENT-APPL-SN-825258	c 26	N72-21701* #	US-PATENT-APPL-SN-843308	c 32	N79-14268*
US-PATENT-APPL-SN-80368	c 09	N73-20231* #	US-PATENT-APPL-SN-825259	c 14	N71-26788* #	US-PATENT-APPL-SN-844225	c 05	N72-25120*
US-PATENT-APPL-SN-80369	c 09	N72-22198* #	US-PATENT-APPL-SN-825489	c 27	N81-15104* #	US-PATENT-APPL-SN-844243	c 37	N75-29426*
US-PATENT-APPL-SN-803822	c 26	N79-22271* #	US-PATENT-APPL-SN-826202	c 37	N79-28551* #	US-PATENT-APPL-SN-844315	c 35	N77-21392*
US-PATENT-APPL-SN-803822	c 26	N80-32484* #	US-PATENT-APPL-SN-826204	c 37	N79-10420* #	US-PATENT-APPL-SN-844344	c 24	N79-14156*
US-PATENT-APPL-SN-803823	c 44	N79-11467* #	US-PATENT-APPL-SN-826326	c 46	N79-22679* #	US-PATENT-APPL-SN-844346	c 44	N79-11472*
US-PATENT-APPL-SN-804035	c 35	N79-14348* #	US-PATENT-APPL-SN-82647	c 28	N72-22772* #	US-PATENT-APPL-SN-844355	c 03	N72-26031*
US-PATENT-APPL-SN-804172	c 28	N71-26781* #	US-PATENT-APPL-SN-82648	c 12	N72-25292* #	US-PATENT-APPL-SN-845365	c 09	N71-13516*
US-PATENT-APPL-SN-805298	c 10	N71-25899* #	US-PATENT-APPL-SN-82649	c 08	N73-30135* #	US-PATENT-APPL-SN-845584	c 27	N73-22710*
US-PATENT-APPL-SN-805405	c 14	N71-27323* #	US-PATENT-APPL-SN-82658	c 30	N70-40309* #	US-PATENT-APPL-SN-845807	c 15	N72-11391*
US-PATENT-APPL-SN-805406	c 07	N71-24613* #	US-PATENT-APPL-SN-827464	c 74	N79-34011* #	US-PATENT-APPL-SN-845971	c 11	N71-28629*
US-PATENT-APPL-SN-805549	c 35	N79-16246* #	US-PATENT-APPL-SN-827579	c 15	N71-24984* #	US-PATENT-APPL-SN-845972	c 09	N70-11148*
US-PATENT-APPL-SN-806149	c 27	N71-16223* #	US-PATENT-APPL-SN-827597	c 26	N69-33482* #	US-PATENT-APPL-SN-845973	c 11	N71-24985*
US-PATENT-APPL-SN-806226	c 14	N71-27407* #	US-PATENT-APPL-SN-828262	c 37	N79-14383* #	US-PATENT-APPL-SN-845974	c 33	N71-25353*
US-PATENT-APPL-SN-806440	c 51	N79-10694* #	US-PATENT-APPL-SN-828909	c 28	N71-27094* #	US-PATENT-APPL-SN-845990	c 14	N71-27005*
US-PATENT-APPL-SN-807597	c 52	N80-16725* #	US-PATENT-APPL-SN-828920	c 35	N74-22095* #	US-PATENT-APPL-SN-845991	c 14	N71-29134*
US-PATENT-APPL-SN-807703	c 37	N78-27424* #	US-PATENT-APPL-SN-828921	c 09	N71-27001* #	US-PATENT-APPL-SN-847023	c 31	N70-37938*
US-PATENT-APPL-SN-807762	c 27	N78-31233* #	US-PATENT-APPL-SN-828983	c 03	N71-24719* #	US-PATENT-APPL-SN-847027	c 03	N70-33343*
US-PATENT-APPL-SN-808192	c 15	N71-27432* #	US-PATENT-APPL-SN-828984	c 08	N71-29033* #	US-PATENT-APPL-SN-847276	c 37	N81-32510*
US-PATENT-APPL-SN-808193	c 31	N71-26537* #	US-PATENT-APPL-SN-829314	c 09	N79-31228* #	US-PATENT-APPL-SN-847277	c 31	N79-28370*
US-PATENT-APPL-SN-808462	c 10	N71-27136* #	US-PATENT-APPL-SN-829315	c 34	N79-20336* #	US-PATENT-APPL-SN-847278	c 34	N79-20335*
US-PATENT-APPL-SN-808510	c 33	N78-32338* #	US-PATENT-APPL-SN-829316	c 18	N79-11108* #	US-PATENT-APPL-SN-847596	c 15	N70-10867*
US-PATENT-APPL-SN-808576	c 15	N71-27754* #	US-PATENT-APPL-SN-829317	c 52	N80-18690* #	US-PATENT-APPL-SN-847815	c 52	N75-15270*
US-PATENT-APPL-SN-808577	c 32	N71-25360* #	US-PATENT-APPL-SN-829318	c 52	N80-14684* #	US-PATENT-APPL-SN-848282	c 15	N72-21462*
US-PATENT-APPL-SN-808822	c 14	N73-16483* #	US-PATENT-APPL-SN-829390	c 44	N79-11469* #	US-PATENT-APPL-SN-848325	c 06	N70-11251*
US-PATENT-APPL-SN-809822	c 28	N71-27585* #	US-PATENT-APPL-SN-829390	c 44	N80-16452* #	US-PATENT-APPL-SN-848351	c 06	N70-11252*
US-PATENT-APPL-SN-809890	c 44	N79-17314* #	US-PATENT-APPL-SN-829825	c 03	N71-24681* #	US-PATENT-APPL-SN-848403	c 33	N74-20859*
US-PATENT-APPL-SN-809890	c 44	N80-14474* #	US-PATENT-APPL-SN-830272	c 33	N81-29342* #	US-PATENT-APPL-SN-848403	c 36	N75-27364*
US-PATENT-APPL-SN-810575	c 15	N71-27169* #	US-PATENT-APPL-SN-830366	c 16	N72-13437* #	US-PATENT-APPL-SN-848418	c 43	N79-26439*
US-PATENT-APPL-SN-810576	c 15	N73-12492* #	US-PATENT-APPL-SN-830458	c 46	N79-23555* #	US-PATENT-APPL-SN-848419	c 43	N80-23711*
US-PATENT-APPL-SN-810579	c 09	N72-22203* #	US-PATENT-APPL-SN-830562	c 39	N80-10507* #	US-PATENT-APPL-SN-848420	c 43	N79-25443*
US-PATENT-APPL-SN-810579	c 33	N74-22864* #	US-PATENT-APPL-SN-830715	c 15	N71-24903* #	US-PATENT-APPL-SN-848421	c 43	N80-14423*
US-PATENT-APPL-SN-810815	c 06	N72-22107* #	US-PATENT-APPL-SN-830846	c 31	N80-32584* #	US-PATENT-APPL-SN-848428	c 25	N82-21268*
US-PATENT-APPL-SN-810995	c 13	N72-25323* #	US-PATENT-APPL-SN-831118	c 28	N71-26173* #	US-PATENT-APPL-SN-848481	c 17	N70-33283*
US-PATENT-APPL-SN-810996	c 14	N73-14427* #	US-PATENT-APPL-SN-831631	c 08	N72-11172* #	US-PATENT-APPL-SN-848776	c 07	N72-22127*
US-PATENT-APPL-SN-811037	c 14	N71-26137* #	US-PATENT-APPL-SN-831632	c 07	N80-26298* #	US-PATENT-APPL-SN-848793	c 43	N79-31706*
US-PATENT-APPL-SN-811038	c 14	N72-20380* #	US-PATENT-APPL-SN-831633	c 05	N80-14107* #	US-PATENT-APPL-SN-848805	c 06	N72-17095*
US-PATENT-APPL-SN-811401	c 31	N81-25258* #	US-PATENT-APPL-SN-831634	c 05	N79-12061* #	US-PATENT-APPL-SN-848810	c 07	N72-11148*
US-PATENT-APPL-SN-811509	c 02	N70-33332* #	US-PATENT-APPL-SN-832603	c 09	N72-22198* #	US-PATENT-APPL-SN-848811	c 10	N71-26142*
US-PATENT-APPL-SN-811542	c 21	N71-24948* #	US-PATENT-APPL-SN-833049	c 06	N72-21094* #	US-PATENT-APPL-SN-849106	c 09	N72-22197*
US-PATENT-APPL-SN-811815	c 44	N78-31525* #	US-PATENT-APPL-SN-833637	c 33	N79-24257* #	US-PATENT-APPL-SN-849274	c 28	N79-14228*
US-PATENT-APPL-SN-811892	c 14	N71-27090* #	US-PATENT-APPL-SN-834257	c 32	N80-14281* #	US-PATENT-APPL-SN-849461	c 02	N70-34178*
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US-PATENT-APPL-SN-812998	c 28	N72-22769* #	US-PATENT-APPL-SN-835059	c 09	N71-26133* #	US-PATENT-APPL-SN-8497	c 14	N72-11363*
US-PATENT-APPL-SN-812999	c 05	N71-12345* #	US-PATENT-APPL-SN-835060	c 02	N71-26110* #	US-PATENT-APPL-SN-8498	c 05	N71-24729*
US-PATENT-APPL-SN-813338	c 18	N72-22566* #	US-PATENT-APPL-SN-835146	c 15	N70-32624* #	US-PATENT-APPL-SN-850504	c 52	N81-14613*
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US-PATENT-APPL-SN-814004	c 33	N79-18193* #	US-PATENT-APPL-SN-835419	c 33	N80-18285* #	US-PATENT-APPL-SN-850586	c 31	N71-25434*
US-PATENT-APPL-SN-814005	c 76	N79-14906* #	US-PATENT-APPL-SN-835544	c 33	N79-14305* #	US-PATENT-APPL-SN-850587	c 08	N72-21199*
US-PATENT-APPL-SN-814006	c 37	N79-22475* #	US-PATENT-APPL-SN-835628	c 35	N79-14347* #	US-PATENT-APPL-SN-851298	c 15	N72-12409*
US-PATENT-APPL-SN-814212	c 14	N72-17326* #	US-PATENT-APPL-SN-836280	c 14	N73-14428* #	US-PATENT-APPL-SN-851394	c 09	N71-24892*
US-PATENT-APPL-SN-814378	c 25	N79-10162* #	US-PATENT-APPL-SN-836280	c 35	N75-25122* #	US-PATENT-APPL-SN-852131	c 15	N71-24836*
US-PATENT-APPL-SN-815366	c 14	N71-28994* #	US-PATENT-APPL-SN-836367	c 09	N71-24804* #	US-PATENT-APPL-SN-852843	c 09	N72-22195*
US-PATENT-APPL-SN-815367	c 14	N71-28863* #	US-PATENT-APPL-SN-837259	c 54	N79-24652* #	US-PATENT-APPL-SN-853349	c 35	N81-33448*
US-PATENT-APPL-SN-815760	c 15	N71-27068* #	US-PATENT-APPL-SN-837260	c 37	N78-27423* #	US-PATENT-APPL-SN-853641	c 33	N72-25913*
US-PATENT-APPL-SN-816733	c 15	N71-27084* #	US-PATENT-APPL-SN-837377	c 15	N71-26148* #	US-PATENT-APPL-SN-853677	c 34	N79-31523*
US-PATENT-APPL-SN-816988	c 14	N71-26199* #	US-PATENT-APPL-SN-837378	c 15	N71-24865* #	US-PATENT-APPL-SN-853679	c 35	N79-14346*
US-PATENT-APPL-SN-817413	c 33	N79-12321* #	US-PATENT-APPL-SN-837513	c 44	N81-29525* #	US-PATENT-APPL-SN-853705	c 45	N79-12584*
US-PATENT-APPL-SN-817415	c 74	N79-20857* #	US-PATENT-APPL-SN-837513	c 44	N82-28780* #	US-PATENT-APPL-SN-853716	c 09	N71-24904*
US-PATENT-APPL-SN-817481	c 09	N72-1125* #	US-PATENT-APPL-SN-837794	c 28	N80-20402* #	US-PATENT-APPL-SN-853746	c 02	N72-11018*
US								

US-PATENT-APPL-SN-856253	c 24	N74-19769*	#	US-PATENT-APPL-SN-874958	c 31	N71-15566*		US-PATENT-APPL-SN-89210	c 07	N73-26119*	#
US-PATENT-APPL-SN-856259	c 05	N71-17599*		US-PATENT-APPL-SN-87550	c 06	N72-25146*	#	US-PATENT-APPL-SN-89211	c 14	N73-12446*	#
US-PATENT-APPL-SN-856279	c 07	N72-21118*	#	US-PATENT-APPL-SN-87551	c 33	N73-16918*	#	US-PATENT-APPL-SN-89212	c 08	N72-25208*	#
US-PATENT-APPL-SN-856282	c 08	N72-22166*	#	US-PATENT-APPL-SN-87549	c 07	N71-33696*		US-PATENT-APPL-SN-893382	c 34	N79-24285*	#
US-PATENT-APPL-SN-856327	c 05	N72-16015*	#	US-PATENT-APPL-SN-87597	c 33	N74-22864*	#	US-PATENT-APPL-SN-893383	c 31	N81-27323*	#
US-PATENT-APPL-SN-856328	c 14	N72-22441*	#	US-PATENT-APPL-SN-876299	c 44	N80-18552*	#	US-PATENT-APPL-SN-893657	c 51	N80-27067*	#
US-PATENT-APPL-SN-856415	c 09	N71-26182*		US-PATENT-APPL-SN-876431	c 33	N79-24254*	#	US-PATENT-APPL-SN-893857	c 24	N81-17170*	#
US-PATENT-APPL-SN-856460	c 25	N79-24073*	#	US-PATENT-APPL-SN-876432	c 36	N80-18372*	#	US-PATENT-APPL-SN-893857	c 24	N81-26179*	#
US-PATENT-APPL-SN-856461	c 34	N79-12359*	#	US-PATENT-APPL-SN-876438	c 52	N79-26772*	#	US-PATENT-APPL-SN-893865	c 37	N81-24443*	#
US-PATENT-APPL-SN-856462	c 34	N80-24573*	#	US-PATENT-APPL-SN-876440	c 51	N80-16714*	#	US-PATENT-APPL-SN-893903	c 60	N81-15706*	#
US-PATENT-APPL-SN-856462	c 44	N81-24519*	#	US-PATENT-APPL-SN-876441	c 74	N79-20856*	#	US-PATENT-APPL-SN-894213	c 37	N80-23655*	#
US-PATENT-APPL-SN-856464	c 36	N79-14362*	#	US-PATENT-APPL-SN-876588	c 15	N72-25452*	#	US-PATENT-APPL-SN-897828	c 52	N81-29763*	#
US-PATENT-APPL-SN-856465	c 44	N80-14473*	#	US-PATENT-APPL-SN-876588	c 25	N74-30502*	#	US-PATENT-APPL-SN-897829	c 44	N79-25481*	#
US-PATENT-APPL-SN-856466	c 72	N80-14877*	#	US-PATENT-APPL-SN-877445	c 23	N82-29358*	#	US-PATENT-APPL-SN-897830	c 35	N80-21719*	#
US-PATENT-APPL-SN-857241	c 46	N74-23069*	#	US-PATENT-APPL-SN-877717	c 14	N72-27410*	#	US-PATENT-APPL-SN-897831	c 44	N80-20808*	#
US-PATENT-APPL-SN-857445	c 05	N71-24728*	#	US-PATENT-APPL-SN-877717	c 14	N73-13417*	#	US-PATENT-APPL-SN-897832	c 31	N78-24387*	#
US-PATENT-APPL-SN-857967	c 15	N72-20443*	#	US-PATENT-APPL-SN-877990	c 14	N72-28437*	#	US-PATENT-APPL-SN-897832	c 43	N81-26509*	#
US-PATENT-APPL-SN-858596	c 35	N78-18395*	#	US-PATENT-APPL-SN-878253	c 25	N81-33246*	#	US-PATENT-APPL-SN-897840	c 31	N81-14137*	#
US-PATENT-APPL-SN-858695	c 11	N72-22247*	#	US-PATENT-APPL-SN-878539	c 35	N80-20560*	#	US-PATENT-APPL-SN-899123	c 44	N79-14528*	#
US-PATENT-APPL-SN-858762	c 08	N79-23097*	#	US-PATENT-APPL-SN-878540	c 24	N82-26384*	#	US-PATENT-APPL-SN-899828	c 32	N80-18252*	#
US-PATENT-APPL-SN-858764	c 33	N79-10338*	#	US-PATENT-APPL-SN-878541	c 33	N81-14220*	#	US-PATENT-APPL-SN-900659	c 27	N81-17211*	#
US-PATENT-APPL-SN-858765	c 33	N79-11313*	#	US-PATENT-APPL-SN-878542	c 33	N79-28416*	#	US-PATENT-APPL-SN-900841	c 32	N82-31583*	#
US-PATENT-APPL-SN-858766	c 27	N79-14213*	#	US-PATENT-APPL-SN-878730	c 08	N72-22164*	#	US-PATENT-APPL-SN-900842	c 32	N79-24203*	#
US-PATENT-APPL-SN-858767	c 32	N83-19968*	#	US-PATENT-APPL-SN-878731	c 15	N71-26162*	#	US-PATENT-APPL-SN-900843	c 44	N80-20810*	#
US-PATENT-APPL-SN-858936	c 07	N80-18039*	#	US-PATENT-APPL-SN-880246	c 28	N72-22770*	#	US-PATENT-APPL-SN-901055	c 76	N80-32245*	#
US-PATENT-APPL-SN-858950	c 35	N78-17359*	#	US-PATENT-APPL-SN-880247	c 09	N70-20737*	#	US-PATENT-APPL-SN-903019	c 46	N80-10709*	#
US-PATENT-APPL-SN-86018	c 23	N71-30292*	#	US-PATENT-APPL-SN-880248	c 07	N72-11150*		US-PATENT-APPL-SN-90595	c 03	N72-20031*	#
US-PATENT-APPL-SN-860404	c 37	N81-15364*	#	US-PATENT-APPL-SN-880249	c 15	N72-22482*	#	US-PATENT-APPL-SN-906297	c 44	N79-14529*	#
US-PATENT-APPL-SN-860405	c 26	N79-22271*	#	US-PATENT-APPL-SN-880250	c 03	N72-20032*	#	US-PATENT-APPL-SN-906298	c 76	N80-18951*	#
US-PATENT-APPL-SN-860406	c 24	N47-17916*	#	US-PATENT-APPL-SN-880271	c 15	N72-25448*	#	US-PATENT-APPL-SN-906299	c 27	N80-16158*	#
US-PATENT-APPL-SN-860492	c 09	N72-20199*	#	US-PATENT-APPL-SN-880272	c 14	N71-27058*		US-PATENT-APPL-SN-907421	c 37	N81-14131*	#
US-PATENT-APPL-SN-860493	c 14	N72-16283*	#	US-PATENT-APPL-SN-880398	c 15	N73-12487*	#	US-PATENT-APPL-SN-907431	c 37	N81-25370*	#
US-PATENT-APPL-SN-860635	c 28	N72-17843*	#	US-PATENT-APPL-SN-880726	c 44	N80-21828*	#	US-PATENT-APPL-SN-907435	c 27	N80-10358*	#
US-PATENT-APPL-SN-860750	c 08	N72-22165*	#	US-PATENT-APPL-SN-880727	c 35	N79-28527*	#	US-PATENT-APPL-SN-907436	c 37	N80-14398*	#
US-PATENT-APPL-SN-860751	c 08	N72-18184*	#	US-PATENT-APPL-SN-880728	c 37	N80-10494*	#	US-PATENT-APPL-SN-907479	c 27	N80-24438*	#
US-PATENT-APPL-SN-860781	c 18	N72-22567*	#	US-PATENT-APPL-SN-880729	c 35	N80-20563*	#	US-PATENT-APPL-SN-909100	c 37	N79-28550*	#
US-PATENT-APPL-SN-861152	c 14	N70-33322*	#	US-PATENT-APPL-SN-880831	c 11	N72-20244*	#	US-PATENT-APPL-SN-909235	c 07	N81-19115*	#
US-PATENT-APPL-SN-861390	c 24	N79-28342*	#	US-PATENT-APPL-SN-880838	c 37	N79-28549*	#	US-PATENT-APPL-SN-909608	c 07	N81-19116*	#
US-PATENT-APPL-SN-861391	c 44	N79-12541*	#	US-PATENT-APPL-SN-880885	c 07	N72-12080*		US-PATENT-APPL-SN-910707	c 32	N80-20448*	#
US-PATENT-APPL-SN-861392	c 71	N79-23753*	#	US-PATENT-APPL-SN-881039	c 09	N71-24842*	#	US-PATENT-APPL-SN-910708	c 06	N80-18036*	#
US-PATENT-APPL-SN-861396	c 35	N79-14349*	#	US-PATENT-APPL-SN-881041	c 09	N72-22204*	#	US-PATENT-APPL-SN-910793	c 44	N80-16452*	#
US-PATENT-APPL-SN-861649	c 14	N72-17327*	#	US-PATENT-APPL-SN-882122	c 14	N72-22438*	#	US-PATENT-APPL-SN-910794	c 14	N81-26161*	#
US-PATENT-APPL-SN-862878	c 09	N82-29330*	#	US-PATENT-APPL-SN-882577	c 07	N71-27056*	#	US-PATENT-APPL-SN-910992	c 52	N78-27750*	#
US-PATENT-APPL-SN-862880	c 24	N79-31347*	#	US-PATENT-APPL-SN-883090	c 44	N80-29834*	#	US-PATENT-APPL-SN-910992	c 52	N81-24711*	#
US-PATENT-APPL-SN-862921	c 31	N71-29050*	#	US-PATENT-APPL-SN-883094	c 54	N79-24651*	#	US-PATENT-APPL-SN-91180	c 14	N70-40240*	#
US-PATENT-APPL-SN-863024	c 46	N80-14603*	#	US-PATENT-APPL-SN-883523	c 09	N72-33204*	#	US-PATENT-APPL-SN-912276	c 24	N81-29163*	#
US-PATENT-APPL-SN-863276	c 16	N72-12440*	#	US-PATENT-APPL-SN-883524	c 09	N72-21246*	#	US-PATENT-APPL-SN-914260	c 44	N79-26474*	#
US-PATENT-APPL-SN-863280	c 24	N72-33681*	#	US-PATENT-APPL-SN-883961	c 25	N80-16116*	#	US-PATENT-APPL-SN-915050	c 44	N81-12542*	#
US-PATENT-APPL-SN-863636	c 15	N72-25451*	#	US-PATENT-APPL-SN-884345	c 35	N74-15090*	#	US-PATENT-APPL-SN-91642	c 14	N72-31446*	#
US-PATENT-APPL-SN-863770	c 44	N79-18444*	#	US-PATENT-APPL-SN-885049	c 33	N79-23345*	#	US-PATENT-APPL-SN-916654	c 07	N81-29129*	#
US-PATENT-APPL-SN-863773	c 44	N79-26475*	#	US-PATENT-APPL-SN-885065	c 35	N79-18298*	#	US-PATENT-APPL-SN-916655	c 44	N80-14472*	#
US-PATENT-APPL-SN-863913	c 14	N71-28991*	#	US-PATENT-APPL-SN-885066	c 33	N80-26599*	#	US-PATENT-APPL-SN-918533	c 32	N79-23310*	#
US-PATENT-APPL-SN-863914	c 09	N73-31235*	#	US-PATENT-APPL-SN-885067	c 33	N79-28415*	#	US-PATENT-APPL-SN-918534	c 33	N80-32650*	#
US-PATENT-APPL-SN-863963	c 10	N71-26085*	#	US-PATENT-APPL-SN-885521	c 03	N72-28025*	#	US-PATENT-APPL-SN-918535	c 35	N80-18357*	#
US-PATENT-APPL-SN-863967	c 11	N71-27036*	#	US-PATENT-APPL-SN-885571	c 09	N71-28868*	#	US-PATENT-APPL-SN-918537	c 26	N80-14229*	#
US-PATENT-APPL-SN-864020	c 15	N72-17454*	#	US-PATENT-APPL-SN-885594	c 15	N71-29133*	#	US-PATENT-APPL-SN-918705	c 52	N82-33996*	#
US-PATENT-APPL-SN-864039	c 15	N72-22483*	#	US-PATENT-APPL-SN-887685	c 10	N72-20223*	#	US-PATENT-APPL-SN-920878	c 24	N78-27184*	#
US-PATENT-APPL-SN-864097	c 07	N71-33606*	#	US-PATENT-APPL-SN-887698	c 09	N72-17153*	#	US-PATENT-APPL-SN-920879	c 44	N79-31752*	#
US-PATENT-APPL-SN-864171	c 07	N72-25171*	#	US-PATENT-APPL-SN-887699	c 15	N72-17452*	#	US-PATENT-APPL-SN-921266	c 25	N80-23383*	#
US-PATENT-APPL-SN-865650	c 03	N72-25021*	#	US-PATENT-APPL-SN-887700	c 07	N71-28980*	#	US-PATENT-APPL-SN-921627	c 33	N80-14332*	#
US-PATENT-APPL-SN-865106	c 09	N72-22202*	#	US-PATENT-APPL-SN-887701	c 08	N71-29034*	#	US-PATENT-APPL-SN-923758	c 20	N78-27176*	#
US-PATENT-APPL-SN-865109	c 14	N71-28933*	#	US-PATENT-APPL-SN-888362	c 33	N80-14330*	#	US-PATENT-APPL-SN-923758	c 20	N80-10278*	#
US-PATENT-APPL-SN-865274	c 09	N72-17155*	#	US-PATENT-APPL-SN-888432	c 74	N81-17886*	#	US-PATENT-APPL-SN-9251	c 03	N70-34646*	#
US-PATENT-APPL-SN-865298	c 15	N72-11388*	#	US-PATENT-APPL-SN-888434	c 51	N78-22585*	#	US-PATENT-APPL-SN-928128	c 44	N80-18551*	#
US-PATENT-APPL-SN-865329	c 15	N71-29132*	#	US-PATENT-APPL-SN-889374	c 08	N72-25207*	#	US-PATENT-APPL-SN-928129	c 35	N80-14371*	#
US-PATENT-APPL-SN-865458	c 09	N72-21243*	#	US-PATENT-APPL-SN-889375	c 10	N72-20222*	#	US-PATENT-APPL-SN-928130	c 35	N80-20559*	#
US-PATENT-APPL-SN-865811	c 09	N71-27053*	#	US-PATENT-APPL-SN-889376	c 18	N71-26285*	#	US-PATENT-APPL-SN-928131	c 09	N79-31228*	#
US-PATENT-APPL-SN-865909	c 14	N72-11364*	#	US-PATENT-APPL-SN-889387	c 09	N71-29035*	#	US-PATENT-APPL-SN-928133	c 44	N80-18550*	#
US-PATENT-APPL-SN-866442	c 25	N72-24753*	#	US-PATENT-APPL-SN-889420	c 14	N72-25413*	#	US-PATENT-APPL-SN-928137	c 52	N80-23696*	#
US-PATENT-APPL-SN-867841	c 11	N72-22246*	#	US-PATENT-APPL-SN-889422	c 09	N72-25250*	#	US-PATENT-APPL-SN-929083	c 36	N80-16321*	#
US-PATENT-APPL-SN-867842	c 23	N72-27728*	#	US-PATENT-APPL-SN-889423	c 10	N72-22236*	#	US-PATENT-APPL-SN-929084	c 37	N81-19455*	#
US-PATENT-APPL-SN-867843	c 14	N71-26161*	#	US-PATENT-APPL-SN-889437	c 15	N72-11392*	#	US-PATENT-APPL-SN-929086	c 24	N81-13999*	#
US-PATENT-APPL-SN-867851	c 15	N72-22484*	#	US-PATENT-APPL-SN-889438	c 15	N72-18477*	#	US-PATENT-APPL-SN-929087	c 35	N80-28687*	#
US-PATENT-APPL-SN-868249	c 33	N80-18286*	#	US-PATENT-APPL-SN-889478	c 08	N71-29138*	#	US-PATENT-APPL-SN-929088	c 74	N80-24149*	#
US-PATENT-APPL-SN-868445	c 14	N72-17323*	#	US-PATENT-APPL-SN-889479	c 14	N72-17325*	#	US-PATENT-APPL-SN-931090	c 37	N80-26658*	#
US-PATENT-APPL-SN-868529	c 08	N72-22167*	#	US-PATENT-APPL-SN-889551	c 21	N72-21624*	#	US-PATENT-APPL-SN-931090	c 37	N80-19540*	#
US-PATENT-APPL-SN-868530	c 05	N72-11084*									

US-PATENT-APPL-SN-94259	c 27	N70-35534* #	US-PATENT-CLASS-100-8	c 33	N74-17928* #	US-PATENT-CLASS-106-52	.	c 27	N82-29452* #
US-PATENT-APPL-SN-943086	c 37	N80-32717* #	US-PATENT-CLASS-102-101	.	c 28	N71-26779* #	US-PATENT-CLASS-106-52	.	c 27	N82-29454* #
US-PATENT-APPL-SN-943087	c 15	N78-32168* #	US-PATENT-CLASS-102-103	.	c 20	N78-32179* #	US-PATENT-CLASS-106-54	.	c 27	N82-29455* #
US-PATENT-APPL-SN-943088	c 18	N80-14183* #	US-PATENT-CLASS-102-105	.	c 33	N72-17947* #	US-PATENT-CLASS-106-54	.	c 27	N75-27160* #
US-PATENT-APPL-SN-943089	c 74	N80-21140* #	US-PATENT-CLASS-102-105	.	c 33	N72-25911* #	US-PATENT-CLASS-106-54	.	c 27	N76-23277* #
US-PATENT-APPL-SN-94347	c 05	N72-25122* #	US-PATENT-CLASS-102-105	.	c 33	N73-25952* #	US-PATENT-CLASS-106-54	.	c 27	N76-23426* #
US-PATENT-APPL-SN-94369	c 07	N71-28965* #	US-PATENT-CLASS-102-105	.	c 27	N74-27037* #	US-PATENT-CLASS-106-54	.	c 27	N78-32260* #
US-PATENT-APPL-SN-94374	c 14	N72-25411* #	US-PATENT-CLASS-102-105	.	c 24	N79-25142* #	US-PATENT-CLASS-106-54	.	c 27	N82-29452* #
US-PATENT-APPL-SN-945040	c 37	N82-24492* #	US-PATENT-CLASS-102-21 6	.	c 46	N79-22679* #	US-PATENT-CLASS-106-54	.	c 27	N82-29454* #
US-PATENT-APPL-SN-945041	c 43	N80-18498* #	US-PATENT-CLASS-102-28EB	.	c 28	N74-27425* #	US-PATENT-CLASS-106-55	.	c 18	N73-14584* #
US-PATENT-APPL-SN-945043	c 33	N81-33403* #	US-PATENT-CLASS-102-28R	.	c 28	N79-11231* #	US-PATENT-CLASS-106-58	.	c 18	N73-14584* #
US-PATENT-APPL-SN-945044	c 54	N81-26718* #	US-PATENT-CLASS-102-289	.	c 27	N82-24339* #	US-PATENT-CLASS-106-63	.	c 18	N73-14584* #
US-PATENT-APPL-SN-945436	c 46	N80-24906* #	US-PATENT-CLASS-102-34 4	.	c 07	N72-25171* #	US-PATENT-CLASS-106-65	.	c 27	N78-19302* #
US-PATENT-APPL-SN-946990	c 28	N80-23471* #	US-PATENT-CLASS-102-39	.	c 20	N78-24275* #	US-PATENT-CLASS-106-73 5	.	c 27	N78-19302* #
US-PATENT-APPL-SN-946991	c 31	N81-27324* #	US-PATENT-CLASS-102-49 3	.	c 20	N77-17143* #	US-PATENT-CLASS-106-74	.	c 18	N69-39379* #
US-PATENT-APPL-SN-946992	c 45	N80-14579* #	US-PATENT-CLASS-102-49 5	.	c 31	N71-15687* #	US-PATENT-CLASS-106-74	.	c 24	N79-31347* #
US-PATENT-APPL-SN-946994	c 44	N79-31753* #	US-PATENT-CLASS-102-49 5	.	c 15	N71-22874* #	US-PATENT-CLASS-106-84	.	c 18	N71-24183*
US-PATENT-APPL-SN-947000	c 28	N81-15119* #	US-PATENT-CLASS-102-49 5	.	c 31	N71-23008* #	US-PATENT-CLASS-106-84	.	c 18	N71-24184*
US-PATENT-APPL-SN-94952	c 14	N70-34158* #	US-PATENT-CLASS-102-49 5	.	c 31	N73-14853* #	US-PATENT-CLASS-106-84	.	c 18	N72-22566* #
US-PATENT-APPL-SN-949886	c 33	N80-18285* #	US-PATENT-CLASS-102-49 7	.	c 28	N73-24784* #	US-PATENT-CLASS-106-84	.	c 18	N72-23581* #
US-PATENT-APPL-SN-950876	c 37	N80-31790* #	US-PATENT-CLASS-102-49 7	.	c 20	N78-24275* #	US-PATENT-CLASS-106-84	.	c 24	N79-14156* #
US-PATENT-APPL-SN-950877	c 52	N81-25560* #	US-PATENT-CLASS-102-49 8	.	c 28	N73-24784* #	US-PATENT-CLASS-106-84	.	c 24	N79-31347* #
US-PATENT-APPL-SN-951422	c 51	N81-14605* #	US-PATENT-CLASS-102-49	.	c 33	N70-36846* #	US-PATENT-CLASS-106-88	.	c 18	N71-16124*
US-PATENT-APPL-SN-951423	c 48	N80-18667* #	US-PATENT-CLASS-102-49	.	c 28	N70-38181* #	US-PATENT-CLASS-108-136	.	c 09	N75-12988* #
US-PATENT-APPL-SN-951828	c 37	N80-29703* #	US-PATENT-CLASS-102-49	.	c 03	N70-39930* #	US-PATENT-CLASS-109-49 5	.	c 31	N81-19343* #
US-PATENT-APPL-SN-951829	c 33	N80-18287* #	US-PATENT-CLASS-102-49	.	c 15	N70-41679* #	US-PATENT-CLASS-109-58 5	.	c 31	N81-19343* #
US-PATENT-APPL-SN-951830	c 28	N80-28536* #	US-PATENT-CLASS-102-49	.	c 28	N70-41967* #	US-PATENT-CLASS-110-218	.	c 31	N81-15154* #
US-PATENT-APPL-SN-951831	c 08	N73-12175* #	US-PATENT-CLASS-102-49	.	c 31	N71-10582* #	US-PATENT-CLASS-110-229	.	c 31	N81-15154* #
US-PATENT-APPL-SN-951839	c 74	N77-21941* #	US-PATENT-CLASS-102-49	.	c 15	N71-13789* #	US-PATENT-CLASS-110-232	.	c 31	N81-15154* #
US-PATENT-APPL-SN-953313	c 32	N81-14187* #	US-PATENT-CLASS-102-49	.	c 31	N71-15692* #	US-PATENT-CLASS-110-234	.	c 25	N82-11144* #
US-PATENT-APPL-SN-953314	c 37	N81-14319* #	US-PATENT-CLASS-102-49	.	c 31	N71-17730* #	US-PATENT-CLASS-110-245	.	c 25	N82-11144* #
US-PATENT-APPL-SN-953389	c 74	N79-14892* #	US-PATENT-CLASS-102-504	.	c 15	N82-24272* #	US-PATENT-CLASS-110-255	.	c 25	N82-11144* #
US-PATENT-APPL-SN-953389	c 74	N80-27185* #	US-PATENT-CLASS-102-50	.	c 31	N71-24750* #	US-PATENT-CLASS-110-266	.	c 25	N82-11144* #
US-PATENT-APPL-SN-953390	c 74	N80-21138* #	US-PATENT-CLASS-102-56R	.	c 02	N81-14968* #	US-PATENT-CLASS-110-343	.	c 31	N81-15154* #
US-PATENT-APPL-SN-953391	c 72	N80-33186* #	US-PATENT-CLASS-102-70 2A	.	c 28	N74-27425* #	US-PATENT-CLASS-110-347	.	c 31	N81-15154* #
US-PATENT-APPL-SN-956160	c 32	N80-18253* #	US-PATENT-CLASS-102-70 2R	.	c 19	N74-15089* #	US-PATENT-CLASS-112-402	.	c 18	N71-26285*
US-PATENT-APPL-SN-956161	c 27	N79-11215* #	US-PATENT-CLASS-102-70 2	.	c 09	N71-18589* #	US-PATENT-CLASS-113-116	.	c 15	N71-15597* #
US-PATENT-APPL-SN-956166	c 33	N81-19393* #	US-PATENT-CLASS-102-70-2R	.	c 28	N74-27425* #	US-PATENT-CLASS-114-122	.	c 02	N73-26006* #
US-PATENT-APPL-SN-956168	c 27	N81-25209* #	US-PATENT-CLASS-102-70R	.	c 20	N78-24275* #	US-PATENT-CLASS-114-16 6	.	c 37	N76-22540* #
US-PATENT-APPL-SN-956529	c 35	N80-26635* #	US-PATENT-CLASS-102-90	.	c 15	N74-27360* #	US-PATENT-CLASS-114-66 5	.	c 12	N70-33305*
US-PATENT-APPL-SN-957452	c 32	N80-24510* #	US-PATENT-CLASS-102-92 1	.	c 02	N81-14968* #	US-PATENT-CLASS-115-103 5	.	c 51	N75-13502* #
US-PATENT-APPL-SN-958573	c 25	N80-20334* #	US-PATENT-CLASS-102-95	.	c 11	N73-32152* #	US-PATENT-CLASS-116-114 5	.	c 35	N75-25122* #
US-PATENT-APPL-SN-958575	c 27	N80-24437* #	US-PATENT-CLASS-102-99	.	c 28	N77-10213* #	US-PATENT-CLASS-116-114AH	.	c 14	N72-25411* #
US-PATENT-APPL-SN-961831	c 33	N81-25299* #	US-PATENT-CLASS-103 5R	.	c 04	N73-27052* #	US-PATENT-CLASS-116-114AH	.	c 35	N75-33367* #
US-PATENT-APPL-SN-961832	c 37	N81-24442* #	US-PATENT-CLASS-103-1	.	c 26	N71-21824* #	US-PATENT-CLASS-116-117	.	c 14	N70-42074* #
US-PATENT-APPL-SN-961833	c 37	N82-21587* #	US-PATENT-CLASS-103-37	.	c 28	N71-14058* #	US-PATENT-CLASS-117-104	.	c 18	N71-26100*
US-PATENT-APPL-SN-964009	c 02	N80-20224* #	US-PATENT-CLASS-103-48	.	c 15	N71-24042* #	US-PATENT-CLASS-117-105 2	.	c 37	N74-11301* #
US-PATENT-APPL-SN-964754	c 33	N80-20487* #	US-PATENT-CLASS-104-138R	.	c 85	N74-34672* #	US-PATENT-CLASS-117-105 2	.	c 24	N75-33181* #
US-PATENT-APPL-SN-964754	c 44	N81-29524* #	US-PATENT-CLASS-104-139	.	c 05	N71-28619* #	US-PATENT-CLASS-117-105 5	.	c 15	N73-32360* #
US-PATENT-APPL-SN-965367	c 33	N81-14221* #	US-PATENT-CLASS-104-1	.	c 05	N71-28619* #	US-PATENT-CLASS-117-105	.	c 15	N73-32360* #
US-PATENT-APPL-SN-965368	c 74	N81-17888* #	US-PATENT-CLASS-104-23FS	.	c 85	N74-34672* #	US-PATENT-CLASS-117-106A	.	c 70	N74-13436* #
US-PATENT-APPL-SN-969755	c 05	N81-19087* #	US-PATENT-CLASS-104-83	.	c 37	N82-21587* #	US-PATENT-CLASS-117-106A	.	c 37	N75-15992* #
US-PATENT-APPL-SN-969756	c 37	N81-14317* #	US-PATENT-CLASS-105-1A	.	c 37	N82-21587* #	US-PATENT-CLASS-117-106A	.	c 25	N75-26043* #
US-PATENT-APPL-SN-969759	c 25	N82-11144* #	US-PATENT-CLASS-105-161	.	c 43	N79-26439* #	US-PATENT-CLASS-117-106	.	c 33	N71-14032* #
US-PATENT-APPL-SN-969760	c 39	N81-25400* #	US-PATENT-CLASS-105-171	.	c 37	N82-21587* #	US-PATENT-CLASS-117-107 2	.	c 25	N75-26043* #
US-PATENT-APPL-SN-969761	c 32	N82-12297* #	US-PATENT-CLASS-105-180	.	c 37	N82-21587* #	US-PATENT-CLASS-117-107	.	c 15	N72-25447* #
US-PATENT-APPL-SN-969762	c 33	N82-29539* #	US-PATENT-CLASS-105-2R	.	c 85	N83-32388* #	US-PATENT-CLASS-117-107	.	c 76	N79-16678* #
US-PATENT-APPL-SN-97112	c 21	N70-34539* #	US-PATENT-CLASS-105-218R	.	c 37	N82-21587* #	US-PATENT-CLASS-117-119	.	c 18	N71-16105*
US-PATENT-APPL-SN-971473	c 23	N81-29160* #	US-PATENT-CLASS-106-1 2	.	c 44	N79-31752* #	US-PATENT-CLASS-117-119	.	c 76	N79-16678* #
US-PATENT-APPL-SN-971474	c 20	N82-18314* #	US-PATENT-CLASS-106-13	.	c 23	N75-14834* #	US-PATENT-CLASS-117-124C	.	c 15	N72-25452* #
US-PATENT-APPL-SN-971475	c 27	N81-24257* #	US-PATENT-CLASS-106-15FP	.	c 27	N74-27037* #	US-PATENT-CLASS-117-124F	.	c 23	N75-14834* #
US-PATENT-APPL-SN-971596	c 27	N80-32516* #	US-PATENT-CLASS-106-15FP	.	c 27	N76-24405* #	US-PATENT-CLASS-117-126GM	.	c 37	N75-26371* #
US-PATENT-APPL-SN-972252	c 35	N81-33448* #	US-PATENT-CLASS-106-15FP	.	c 24	N78-15180* #	US-PATENT-CLASS-117-126GR	.	c 27	N74-23125* #
US-PATENT-APPL-SN-973433	c 10	N72-27246* #	US-PATENT-CLASS-106-15R	.	c 23	N75-14834* #	US-PATENT-CLASS-117-126R	.	c 37	N75-26371* #
US-PATENT-APPL-SN-974292	c 26	N80-23419* #	US-PATENT-CLASS-106-15	.	c 18	N71-14014* #	US-PATENT-CLASS-117-129	.	c 37	N74-21063* #
US-PATENT-APPL-SN-974471	c 32	N81-14185* #	US-PATENT-CLASS-106-16	.	c 18	N71-15469* #	US-PATENT-CLASS-117-129	.	c 27	N75-27160* #
US-PATENT-APPL-SN-974472	c 37	N81-15363* #	US-PATENT-CLASS-106-18 16	.	c 27	N82-16238* #	US-PATENT-CLASS-117-130R	.	c 15	N73-32360* #
US-PATENT-APPL-SN-974473	c 60	N81-27814* #	US-PATENT-CLASS-106-18 24	.	c 27	N82-16238* #	US-PATENT-CLASS-117-132B	.	c 27	N74-23125* #
US-PATENT-APPL-SN-974474	c 25	N81-19242* #	US-PATENT-CLASS-106-197	.	c 25	N82-29370* #	US-PATENT-CLASS-117-132	.	c 06	N72-25150* #
US-PATENT-APPL-SN-974475	c 33	N81-17349* #	US-PATENT-CLASS-106-1	.	c 44	N79-31752* #	US-PATENT-CLASS-117-135 5	.	c 23	N75-14834* #
US-PATENT-APPL-SN-974476	c 52	N81-14613* #	US-PATENT-CLASS-106-209	.	c 05	N72-25120* #	US-PATENT-CLASS-117-138 8R	.	c 15	N73-32360* #
US-PATENT-APPL-SN-974742	c 14	N73-28487* #	US-PATENT-CLASS-106-286	.	c 18	N72-22566* #	US-PATENT-CLASS-117-151	.	c 15	N73-32360* #
US-PATENT-APPL-SN-97829	c 06	N73-13129* #	US-PATENT-CLASS-106-287SB	.	c 23	N75-14934* #	US-PATENT-CLASS-117-152	.	c 15	N72-25452* #
US-PATENT-APPL-SN-98517	c 09	N72-25250* #	US-PATENT-CLASS-106-288B	.	c 18	N72-22566* #	US-PATENT-CLASS-117-16R	.	c 15	N72-25452* #
US-PATENT-APPL-SN-98640	c 09	N72-25253* #	US-PATENT-CLASS-106-292	.	c 18	N72-17532* #	US-PATENT-CLASS-117-160R	.	c 15	N73-32360* #
US-PATENT-APPL-SN-98772	c 08	N73-12176* #	US-PATENT-CLASS-106-292	.	c 27	N77-30237* #	US-PATENT-CLASS-117-161P	.	c 06	N73-27980* #
US-PATENT-APPL-SN-98773	c 15	N72-22486* #	US-PATENT-CLASS-106-296	.	c 18	N71-26772* #	US-PATENT-CLASS-117-161UA	.	c 25	N75-12087*
US-PATENT-APPL-SN-98774	c 14	N73-19419* #	US-PATENT-CLASS-106-296	.	c 27	N77-30237* #	US-PATENT-CLASS-117-161UH	.	c 06	N73-27980* #
US-PATENT-APPL-SN-98798	c 09	N73-13209* #	US-PATENT-CLASS-106-296	.	c 24	N79-14156* #	US-PATENT-CLASS-117-161UN	.	c 27	N74-23125* #
US-PATENT-APPL-SN-99174	c 14	N72-33377* #	US-PATENT-CLASS-106-299							

US-PATENT-CLASS-117-228	c 06	N73-27980*	#	US-PATENT-CLASS-123-3	c 44	N77-10636*	#	US-PATENT-CLASS-128-191R	c 54	N80-10799*	#
US-PATENT-CLASS-117-234	c 76	N79-16678*	#	US-PATENT-CLASS-123-3	c 37	N77-31497*	#	US-PATENT-CLASS-128-1	c 05	N70-41819*	#
US-PATENT-CLASS-117-235	c 76	N79-16678*	#	US-PATENT-CLASS-123-3	c 44	N78-33526*	#	US-PATENT-CLASS-128-1	c 05	N71-2026*	#
US-PATENT-CLASS-117-237	c 76	N79-16678*	#	US-PATENT-CLASS-123-3	c 28	N80-10374*	#	US-PATENT-CLASS-128-2 05A	c 52	N74-26226*	#
US-PATENT-CLASS-117-239	c 76	N79-16678*	#	US-PATENT-CLASS-123-41 33	c 07	N77-23106*	#	US-PATENT-CLASS-128-2 05A	c 54	N75-13531*	#
US-PATENT-CLASS-117-240	c 76	N79-16678*	#	US-PATENT-CLASS-123-41 33	c 37	N78-10467*	#	US-PATENT-CLASS-128-2 05E	c 52	N74-27566*	#
US-PATENT-CLASS-117-243	c 70	N74-13436*	#	US-PATENT-CLASS-123-59E	c 37	N77-31497*	#	US-PATENT-CLASS-128-2 05E	c 52	N76-29896*	#
US-PATENT-CLASS-117-244	c 06	N73-13128*	#	US-PATENT-CLASS-123-89A	c 37	N76-18457*	#	US-PATENT-CLASS-128-2 05F	c 14	N73-32326*	#
US-PATENT-CLASS-117-245	c 32	N79-19186*	#	US-PATENT-CLASS-124-11R	c 75	N76-17951*	#	US-PATENT-CLASS-128-2 05F	c 54	N75-13531*	#
US-PATENT-CLASS-117-247	c 15	N72-25452*	#	US-PATENT-CLASS-124-1	c 75	N76-17951*	#	US-PATENT-CLASS-128-2 05R	c 05	N73-27941*	#
US-PATENT-CLASS-117-248	c 24	N75-33181*	#	US-PATENT-CLASS-124-6	c 09	N77-19076*	#	US-PATENT-CLASS-128-2 05R	c 52	N76-29895*	#
US-PATENT-CLASS-117-249	c 31	N79-21227*	#	US-PATENT-CLASS-125-1	c 46	N74-23069*	#	US-PATENT-CLASS-128-2 05R	c 52	N79-10724*	#
US-PATENT-CLASS-117-250	c 74	N74-20008*	#	US-PATENT-CLASS-125-21	c 37	N80-29703*	#	US-PATENT-CLASS-128-2 05S	c 52	N74-26626*	#
US-PATENT-CLASS-117-251	c 24	N75-33181*	#	US-PATENT-CLASS-125-23R	c 76	N80-18951*	#	US-PATENT-CLASS-128-2 05T	c 52	N74-12778*	#
US-PATENT-CLASS-117-252	c 15	N71-16077*	#	US-PATENT-CLASS-125-23R	c 37	N82-32730*	#	US-PATENT-CLASS-128-2 05V	c 35	N76-24525*	#
US-PATENT-CLASS-117-253	c 15	N72-25452*	#	US-PATENT-CLASS-125-3	c 46	N74-23069*	#	US-PATENT-CLASS-128-2 05Z	c 54	N75-27760*	#
US-PATENT-CLASS-117-254	c 15	N71-15610*	#	US-PATENT-CLASS-126-263	c 44	N77-32581*	#	US-PATENT-CLASS-128-2 05Z	c 52	N79-18580*	#
US-PATENT-CLASS-117-255	c 15	N72-25447*	#	US-PATENT-CLASS-126-263	c 44	N78-17460*	#	US-PATENT-CLASS-128-2 05	c 05	N70-41329*	#
US-PATENT-CLASS-117-256	c 15	N72-25452*	#	US-PATENT-CLASS-126-263	c 44	N80-20808*	#	US-PATENT-CLASS-128-2 05	c 04	N71-23185*	#
US-PATENT-CLASS-117-257	c 18	N71-10772*	#	US-PATENT-CLASS-126-270	c 09	N70-40234*	#	US-PATENT-CLASS-128-2 05	c 05	N71-27234*	#
US-PATENT-CLASS-117-258	c 15	N73-32360*	#	US-PATENT-CLASS-126-270	c 03	N70-41580*	#	US-PATENT-CLASS-128-2 06B	c 05	N75-24716*	#
US-PATENT-CLASS-117-259	c 18	N70-36400*	#	US-PATENT-CLASS-126-270	c 34	N74-23039*	#	US-PATENT-CLASS-128-2 06E	c 52	N76-29896*	#
US-PATENT-CLASS-117-260	c 15	N71-16075*	#	US-PATENT-CLASS-126-270	c 44	N76-14595*	#	US-PATENT-CLASS-128-2 06F	c 52	N74-12778*	#
US-PATENT-CLASS-117-261	c 14	N71-20461*	#	US-PATENT-CLASS-126-270	c 44	N76-23675*	#	US-PATENT-CLASS-128-2 06R	c 05	N73-27941*	#
US-PATENT-CLASS-117-262	c 27	N81-15104*	#	US-PATENT-CLASS-126-270	c 44	N76-24596*	#	US-PATENT-CLASS-128-2 06R	c 52	N76-14757*	#
US-PATENT-CLASS-117-263	c 35	N75-25122*	#	US-PATENT-CLASS-126-270	c 35	N77-20401*	#	US-PATENT-CLASS-128-2 06	c 05	N69-21925*	#
US-PATENT-CLASS-117-264	c 24	N75-33181*	#	US-PATENT-CLASS-126-270	c 44	N77-32582*	#	US-PATENT-CLASS-128-2 06	c 05	N71-22896*	#
US-PATENT-CLASS-117-265	c 25	N75-12087*	#	US-PATENT-CLASS-126-270	c 44	N78-15560*	#	US-PATENT-CLASS-128-2 06	c 09	N71-24618*	#
US-PATENT-CLASS-117-266	c 15	N72-25447*	#	US-PATENT-CLASS-126-270	c 44	N78-19599*	#	US-PATENT-CLASS-128-2 06	c 05	N71-26293*	#
US-PATENT-CLASS-117-267	c 15	N72-25452*	#	US-PATENT-CLASS-126-270	c 44	N78-31526*	#	US-PATENT-CLASS-128-2 07	c 05	N73-32015*	#
US-PATENT-CLASS-117-268	c 37	N75-15992*	#	US-PATENT-CLASS-126-270	c 44	N79-11471*	#	US-PATENT-CLASS-128-2 07	c 52	N74-20728*	#
US-PATENT-CLASS-117-269	c 24	N74-19769*	#	US-PATENT-CLASS-126-270	c 44	N79-14526*	#	US-PATENT-CLASS-128-2 08	c 05	N69-21473*	#
US-PATENT-CLASS-117-270	c 36	N75-15029*	#	US-PATENT-CLASS-126-270	c 44	N79-23481*	#	US-PATENT-CLASS-128-2 08	c 05	N73-32015*	#
US-PATENT-CLASS-117-271	c 36	N75-15029*	#	US-PATENT-CLASS-126-270	c 44	N79-24432*	#	US-PATENT-CLASS-128-2 08	c 52	N74-20728*	#
US-PATENT-CLASS-117-272	c 15	N71-17647*	#	US-PATENT-CLASS-126-271	c 44	N79-32581*	#	US-PATENT-CLASS-128-2 1A	c 09	N72-17153*	#
US-PATENT-CLASS-118-11	c 15	N71-17647*	#	US-PATENT-CLASS-126-271	c 44	N78-19443*	#	US-PATENT-CLASS-128-2 1A	c 09	N72-22202*	#
US-PATENT-CLASS-118-308	c 17	N71-24911*	#	US-PATENT-CLASS-126-271	c 44	N76-14602*	#	US-PATENT-CLASS-128-2 1A	c 52	N74-26625*	#
US-PATENT-CLASS-118-313	c 51	N77-27677*	#	US-PATENT-CLASS-126-271	c 44	N76-22657*	#	US-PATENT-CLASS-128-2 1A	c 52	N76-14757*	#
US-PATENT-CLASS-118-320	c 37	N82-24492*	#	US-PATENT-CLASS-126-271	c 44	N76-24696*	#	US-PATENT-CLASS-128-2 1A	c 52	N76-14757*	#
US-PATENT-CLASS-118-423	c 37	N82-12441*	#	US-PATENT-CLASS-126-271	c 35	N77-20401*	#	US-PATENT-CLASS-128-2 1A	c 52	N76-29894*	#
US-PATENT-CLASS-118-443	c 25	N75-29192*	#	US-PATENT-CLASS-126-271	c 44	N77-32582*	#	US-PATENT-CLASS-128-2 1A	c 52	N79-18580*	#
US-PATENT-CLASS-118-448	c 25	N75-26043*	#	US-PATENT-CLASS-126-271	c 44	N78-10554*	#	US-PATENT-CLASS-128-2 1E	c 05	N72-27103*	#
US-PATENT-CLASS-118-449	c 15	N72-32487*	#	US-PATENT-CLASS-126-271	c 44	N78-17460*	#	US-PATENT-CLASS-128-2 1E	c 35	N76-24525*	#
US-PATENT-CLASS-118-449	c 31	N75-12161*	#	US-PATENT-CLASS-126-271	c 44	N78-31525*	#	US-PATENT-CLASS-128-2 1E	c 52	N77-28717*	#
US-PATENT-CLASS-118-449	c 25	N75-26043*	#	US-PATENT-CLASS-126-271	c 44	N78-31526*	#	US-PATENT-CLASS-128-2 1R	c 05	N73-26072*	#
US-PATENT-CLASS-118-449	c 09	N71-26701*	#	US-PATENT-CLASS-126-271	c 44	N79-11471*	#	US-PATENT-CLASS-128-2 1Z	c 35	N76-24525*	#
US-PATENT-CLASS-118-449	c 25	N79-28253*	#	US-PATENT-CLASS-126-271	c 44	N79-14526*	#	US-PATENT-CLASS-128-2 21	c 05	N71-11193*	#
US-PATENT-CLASS-118-500	c 37	N78-17383*	#	US-PATENT-CLASS-126-271	c 44	N79-14529*	#	US-PATENT-CLASS-128-2 21	c 05	N71-12346*	#
US-PATENT-CLASS-118-500	c 37	N82-12441*	#	US-PATENT-CLASS-126-271	c 44	N79-18443*	#	US-PATENT-CLASS-128-2 21	c 05	N71-24729*	#
US-PATENT-CLASS-118-503	c 37	N82-24492*	#	US-PATENT-CLASS-126-271	c 44	N79-23481*	#	US-PATENT-CLASS-128-2 21	c 09	N71-26002*	#
US-PATENT-CLASS-118-505	c 37	N82-24492*	#	US-PATENT-CLASS-126-400	c 44	N79-24433*	#	US-PATENT-CLASS-128-2 21	c 05	N72-25120*	#
US-PATENT-CLASS-118-506	c 37	N78-17383*	#	US-PATENT-CLASS-126-400	c 44	N79-24433*	#	US-PATENT-CLASS-128-2H	c 52	N76-14757*	#
US-PATENT-CLASS-118-507	c 37	N81-33482*	#	US-PATENT-CLASS-126-417	c 44	N80-16452*	#	US-PATENT-CLASS-128-2H	c 52	N76-29894*	#
US-PATENT-CLASS-118-52	c 37	N81-33482*	#	US-PATENT-CLASS-126-419	c 44	N80-20810*	#	US-PATENT-CLASS-128-2H	c 52	N77-10780*	#
US-PATENT-CLASS-118-6	c 51	N77-27677*	#	US-PATENT-CLASS-126-419	c 44	N81-17518*	#	US-PATENT-CLASS-128-2H	c 52	N77-14736*	#
US-PATENT-CLASS-118-7	c 51	N77-27677*	#	US-PATENT-CLASS-126-422	c 44	N82-16866*	#	US-PATENT-CLASS-128-2N	c 05	N72-25122*	#
US-PATENT-CLASS-118-9	c 51	N77-27677*	#	US-PATENT-CLASS-126-429	c 44	N82-18666*	#	US-PATENT-CLASS-128-2N	c 05	N73-13114*	#
US-PATENT-CLASS-118-15	c 11	N71-22875*	#	US-PATENT-CLASS-126-430	c 44	N82-18666*	#	US-PATENT-CLASS-128-2P	c 52	N76-29894*	#
US-PATENT-CLASS-119-17	c 51	N81-32829*	#	US-PATENT-CLASS-126-434	c 44	N80-20810*	#	US-PATENT-CLASS-128-2R	c 09	N72-22202*	#
US-PATENT-CLASS-119-18	c 51	N81-32829*	#	US-PATENT-CLASS-126-437	c 44	N80-20810*	#	US-PATENT-CLASS-128-2R	c 52	N79-12694*	#
US-PATENT-CLASS-119-29	c 51	N78-27733*	#	US-PATENT-CLASS-126-438	c 44	N80-14473*	#	US-PATENT-CLASS-128-2S	c 52	N74-10975*	#
US-PATENT-CLASS-119-51 11	c 35	N78-19466*	#	US-PATENT-CLASS-126-438	c 44	N82-16475*	#	US-PATENT-CLASS-128-2S	c 52	N74-27864*	#
US-PATENT-CLASS-119-51 13	c 51	N74-15778*	#	US-PATENT-CLASS-126-442	c 44	N80-14473*	#	US-PATENT-CLASS-128-2S	c 33	N75-31329*	#
US-PATENT-CLASS-119-51 5	c 51	N74-15778*	#	US-PATENT-CLASS-126-901	c 44	N80-16452*	#	US-PATENT-CLASS-128-2S	c 52	N76-19338*	#
US-PATENT-CLASS-119-51 R	c 51	N74-15778*	#	US-PATENT-CLASS-126-91A	c 25	N79-11151*	#	US-PATENT-CLASS-128-2S	c 52	N76-29895*	#
US-PATENT-CLASS-119-52AF	c 51	N74-15778*	#	US-PATENT-CLASS-128 2 06E	c 05	N75-24716*	#	US-PATENT-CLASS-128-2S	c 52	N76-29896*	#
US-PATENT-CLASS-119-54	c 51	N74-15778*	#	US-PATENT-CLASS-128 2 07	c 52	N79-21750*	#	US-PATENT-CLASS-128-2V	c 52	N74-20726*	#
US-PATENT-CLASS-119-72 5	c 35	N78-19466*	#	US-PATENT-CLASS-128-DIG 12	c 37	N77-28487*	#	US-PATENT-CLASS-128-2V	c 35	N75-12271*	#
US-PATENT-CLASS-119-96	c 05	N70-35409*	#	US-PATENT-CLASS-128-DIG 16	c 51	N81-16405*	#	US-PATENT-CLASS-128-DIG 12	c 54	N79-14751*	#
US-PATENT-CLASS-121-38	c 15	N70-35409*	#	US-PATENT-CLASS-128-DIG 20	c 52	N76-19785*	#	US-PATENT-CLASS-128-2V	c 52	N79-18580*	#
US-PATENT-CLASS-121-38	c 02	N71-29128*	#	US-PATENT-CLASS-128-DIG 20	c 37	N78-18143*	#	US-PATENT-CLASS-128-203	c 54	N76-24900*	#
US-PATENT-CLASS-122-32	c 33	N72-20915*	#	US-PATENT-CLASS-128-DIG 20	c 51	N81-25660*	#	US-PATENT-CLASS-128-206F	c 14	N73-24473*	#
US-PATENT-CLASS-122-4D	c 25	N82-11144*	#	US-PATENT-CLASS-128-DIG 25	c 52	N79-21750*	#	US-PATENT-CLASS-128-206F	c 51	N81-14605*	#
US-PATENT-CLASS-123-DIG 12	c 37	N76-18457*	#	US-PATENT-CLASS-128-DIG 26	c 51	N72-27103*	#	US-PATENT-CLASS-128-207 14	c 51	N81-14605*	#
US-PATENT-CLASS-123-DIG 12	c 44	N78-33526*	#	US-PATENT-CLASS-128-DIG 4	c 05	N75-24716*	#	US-PATENT-CLASS-128-207 28	c 51	N81-14605*	#
US-PATENT-CLASS-123-DIG 12	c 28	N80-10374*	#	US-PATENT-CLASS-128-DIG 4	c 35	N76-24525*	#	US-PATENT-CLASS-128-212	c 54	N80-10799*	#
US-PATENT-CLASS-123-DIG 8	c 37	N77-31497*	#	US-PATENT-CLASS-128-DIG 4	c 52	N77-28177*	#	US-PATENT-CLASS-128-214D	c 52	N79-14749*	#
US-PATENT-CLASS-123-1A	c 44	N76-29700*	#	US-PATENT-CLASS-128-DIG 4	c 51	N81-14605*	#	US-PATENT-CLASS-128-214E	c 52	N74-22771*	#
US-PATENT-CLASS-123-1A	c 44	N78-33526*	#	US-PATENT-CLASS-128-DIG 6	c 52	N81-16725*	#	US-PATENT-CLASS-128-214F	c 37	N77-28487*	#
US-PATENT-CLASS-123-102	c 11</										

US-PATENT-CLASS-128-283	c 24	N82-29362*	#	US-PATENT-CLASS-136-182	c 44	N76-14601*	#	US-PATENT-CLASS-136-89	c 03	N71-11050*	#
US-PATENT-CLASS-128-284	c 24	N82-29362*	#	US-PATENT-CLASS-136-182	c 09	N72-12136*	#	US-PATENT-CLASS-136-89	c 03	N71-11056*	#
US-PATENT-CLASS-128-285	c 24	N82-29362*	#	US-PATENT-CLASS-136-202	c 03	N72-26031*	#	US-PATENT-CLASS-136-89	c 03	N71-18698*	
US-PATENT-CLASS-128-288	c 24	N82-29362*	#	US-PATENT-CLASS-136-202	c 44	N76-16612*	#	US-PATENT-CLASS-136-89	c 03	N71-19545*	
US-PATENT-CLASS-128-291	c 24	N82-29362*	#	US-PATENT-CLASS-136-202	c 35	N77-32454*	#	US-PATENT-CLASS-136-89	c 03	N71-20492*	
US-PATENT-CLASS-128-295	c 05	N72-22093*	#	US-PATENT-CLASS-136-202	c 35	N79-14346*	#	US-PATENT-CLASS-136-89	c 03	N71-20895*	
US-PATENT-CLASS-128-295	c 52	N81-24711*	#	US-PATENT-CLASS-136-202	c 03	N72-11062*	#	US-PATENT-CLASS-136-89	c 26	N71-23043*	
US-PATENT-CLASS-128-296	c 24	N82-29362*	#	US-PATENT-CLASS-136-206	c 09	N72-12136*	#	US-PATENT-CLASS-136-89	c 03	N71-23187*	
US-PATENT-CLASS-128-29	c 05	N70-39922*	#	US-PATENT-CLASS-136-206	c 44	N76-14595*	#	US-PATENT-CLASS-136-89	c 03	N71-23449*	
US-PATENT-CLASS-128-2	c 05	N73-27062*	#	US-PATENT-CLASS-136-206	c 44	N76-31666*	#	US-PATENT-CLASS-136-89	c 03	N71-33409*	
US-PATENT-CLASS-128-303R	c 52	N77-28716*	#	US-PATENT-CLASS-136-20	c 44	N74-19693*	#	US-PATENT-CLASS-136-89	c 03	N72-20031*	#
US-PATENT-CLASS-128-305	c 05	N73-27062*	#	US-PATENT-CLASS-136-210	c 44	N76-16612*	#	US-PATENT-CLASS-136-89	c 03	N72-22042*	#
US-PATENT-CLASS-128-305	c 52	N75-33640*	#	US-PATENT-CLASS-136-211	c 35	N76-15434*	#	US-PATENT-CLASS-136-89	c 31	N72-22874*	#
US-PATENT-CLASS-128-305	c 52	N78-14773*	#	US-PATENT-CLASS-136-212	c 35	N76-15434*	#	US-PATENT-CLASS-136-89	c 03	N72-24037*	#
US-PATENT-CLASS-128-327	c 52	N82-11770*	#	US-PATENT-CLASS-136-213	c 14	N69-27459*	#	US-PATENT-CLASS-136-89	c 09	N72-25259*	#
US-PATENT-CLASS-128-329R	c 52	N79-27836*	#	US-PATENT-CLASS-136-213	c 34	N74-27861*	#	US-PATENT-CLASS-136-89	c 03	N72-27053*	#
US-PATENT-CLASS-128-346	c 52	N81-25660*	#	US-PATENT-CLASS-136-224	c 14	N73-12447*	#	US-PATENT-CLASS-136-89	c 09	N73-32109*	#
US-PATENT-CLASS-128-348	c 52	N80-16725*	#	US-PATENT-CLASS-136-225	c 14	N73-24472*	#	US-PATENT-CLASS-136-89	c 44	N74-14784*	#
US-PATENT-CLASS-128-379	c 52	N77-14736*	#	US-PATENT-CLASS-136-225	c 35	N76-15434*	#	US-PATENT-CLASS-136-89	c 44	N76-14600*	#
US-PATENT-CLASS-128-400	c 52	N77-14736*	#	US-PATENT-CLASS-136-227	c 09	N72-12136*	#	US-PATENT-CLASS-136-89	c 44	N76-28635*	#
US-PATENT-CLASS-128-402	c 05	N72-20096*	#	US-PATENT-CLASS-136-228	c 33	N71-15568*	#	US-PATENT-CLASS-136-89	c 44	N76-31666*	#
US-PATENT-CLASS-128-402	c 52	N77-14736*	#	US-PATENT-CLASS-136-230	c 14	N71-23039*	#	US-PATENT-CLASS-136-89	c 44	N77-10635*	#
US-PATENT-CLASS-128-410	c 52	N77-28717*	#	US-PATENT-CLASS-136-230	c 34	N74-27861*	#	US-PATENT-CLASS-136-89	c 44	N77-14580*	#
US-PATENT-CLASS-128-417	c 05	N72-25120*	#	US-PATENT-CLASS-136-232	c 35	N77-14409*	#	US-PATENT-CLASS-136-89	c 44	N77-19571*	#
US-PATENT-CLASS-128-417	c 05	N72-27103*	#	US-PATENT-CLASS-136-233	c 14	N72-27410*	#	US-PATENT-CLASS-136-89	c 44	N79-11468*	#
US-PATENT-CLASS-128-418	c 52	N76-29896*	#	US-PATENT-CLASS-136-233	c 14	N73-13417*	#	US-PATENT-CLASS-136-90	c 44	N76-14601*	#
US-PATENT-CLASS-128-418	c 52	N77-14736*	#	US-PATENT-CLASS-136-233	c 34	N74-27861*	#	US-PATENT-CLASS-137-DIG 9	c 54	N76-24900*	#
US-PATENT-CLASS-128-419P	c 52	N76-29896*	#	US-PATENT-CLASS-136-233	c 35	N77-14409*	#	US-PATENT-CLASS-137-101	c 07	N77-23106*	#
US-PATENT-CLASS-128-421	c 52	N82-29863*	#	US-PATENT-CLASS-136-236R	c 35	N77-32454*	#	US-PATENT-CLASS-137-104	c 37	N78-10467*	#
US-PATENT-CLASS-128-422	c 52	N82-33996*	#	US-PATENT-CLASS-136-236	c 35	N79-14346*	#	US-PATENT-CLASS-137-110	c 54	N76-24900*	#
US-PATENT-CLASS-128-62A	c 52	N82-29862*	#	US-PATENT-CLASS-136-240	c 35	N77-32454*	#	US-PATENT-CLASS-137-13	c 15	N71-15967*	
US-PATENT-CLASS-128-639	c 52	N79-27836*	#	US-PATENT-CLASS-136-249	c 44	N81-12542*	#	US-PATENT-CLASS-137-13	c 15	N72-33477*	#
US-PATENT-CLASS-128-642	c 52	N80-27072*	#	US-PATENT-CLASS-136-249	c 44	N82-29709*	#	US-PATENT-CLASS-137-14	c 37	N79-33468*	#
US-PATENT-CLASS-128-642	c 52	N81-14612*	#	US-PATENT-CLASS-136-249	c 44	N83-31764*	#	US-PATENT-CLASS-137-151	c 02	N74-20646*	#
US-PATENT-CLASS-128-642	c 52	N81-20703*	#	US-PATENT-CLASS-136-24	c 09	N73-32108*	#	US-PATENT-CLASS-137-151	c 07	N74-31270*	#
US-PATENT-CLASS-128-660	c 52	N79-26771*	#	US-PATENT-CLASS-136-255	c 44	N81-29525*	#	US-PATENT-CLASS-137-151	c 07	N75-24736*	#
US-PATENT-CLASS-128-665	c 52	N81-27783*	#	US-PATENT-CLASS-136-255	c 44	N83-14692*	#	US-PATENT-CLASS-137-151	c 07	N77-18154*	#
US-PATENT-CLASS-128-666	c 52	N80-23969*	#	US-PATENT-CLASS-136-256	c 44	N83-13579*	#	US-PATENT-CLASS-137-151	c 07	N79-14096*	#
US-PATENT-CLASS-128-686	c 52	N82-11770*	#	US-PATENT-CLASS-136-256	c 44	N83-14692*	#	US-PATENT-CLASS-137-151	c 05	N79-24976*	#
US-PATENT-CLASS-128-690	c 52	N80-23969*	#	US-PATENT-CLASS-136-258	c 44	N81-19558*	#	US-PATENT-CLASS-137-151	c 07	N81-14999*	#
US-PATENT-CLASS-128-691	c 52	N82-11770*	#	US-PATENT-CLASS-136-258	c 44	N81-29525*	#	US-PATENT-CLASS-137-152	c 02	N74-20646*	#
US-PATENT-CLASS-128-6	c 52	N80-16725*	#	US-PATENT-CLASS-136-259	c 44	N83-13579*	#	US-PATENT-CLASS-137-152	c 35	N76-14431*	#
US-PATENT-CLASS-128-748	c 52	N80-18691*	#	US-PATENT-CLASS-136-259	c 44	N83-14692*	#	US-PATENT-CLASS-137-154	c 15	N73-27406*	#
US-PATENT-CLASS-128-760	c 52	N80-18690*	#	US-PATENT-CLASS-136-261	c 44	N82-26777*	#	US-PATENT-CLASS-137-177	c 20	N80-10278*	#
US-PATENT-CLASS-128-760	c 52	N81-29763*	#	US-PATENT-CLASS-136-262	c 44	N81-29525*	#	US-PATENT-CLASS-137-197	c 15	N70-41646*	#
US-PATENT-CLASS-128-761	c 52	N81-24711*	#	US-PATENT-CLASS-136-268	c 03	N71-10608*	#	US-PATENT-CLASS-137-197	c 35	N78-12390*	#
US-PATENT-CLASS-128-774	c 52	N80-27072*	#	US-PATENT-CLASS-136-290	c 44	N82-26777*	#	US-PATENT-CLASS-137-171	c 12	N70-38997*	#
US-PATENT-CLASS-128-774	c 52	N81-20703*	#	US-PATENT-CLASS-136-291	c 44	N81-12542*	#	US-PATENT-CLASS-137-1	c 15	N73-27406*	#
US-PATENT-CLASS-128-778	c 52	N82-22875*	#	US-PATENT-CLASS-136-30	c 44	N74-19693*	#	US-PATENT-CLASS-137-207	c 34	N77-30399*	#
US-PATENT-CLASS-128-782	c 52	N80-27072*	#	US-PATENT-CLASS-136-30	c 44	N76-18643*	#	US-PATENT-CLASS-137-209	c 34	N77-30399*	#
US-PATENT-CLASS-128-782	c 39	N83-20280*	#	US-PATENT-CLASS-136-30	c 44	N76-29693*	#	US-PATENT-CLASS-137-209	c 20	N80-10278*	#
US-PATENT-CLASS-128-784	c 52	N82-3396*	#	US-PATENT-CLASS-136-36	c 44	N74-19692*	#	US-PATENT-CLASS-137-340	c 15	N70-34817*	#
US-PATENT-CLASS-128-80F	c 52	N81-25661*	#	US-PATENT-CLASS-136-6LF	c 44	N76-18643*	#	US-PATENT-CLASS-137-340	c 15	N70-35087*	#
US-PATENT-CLASS-128-804	c 52	N82-33996*	#	US-PATENT-CLASS-136-6	c 03	N71-26084*	#	US-PATENT-CLASS-137-341	c 12	N71-17661*	
US-PATENT-CLASS-128-839R	c 52	N81-25662*	#	US-PATENT-CLASS-136-6	c 03	N72-15986*	#	US-PATENT-CLASS-137-375	c 37	N80-23654*	#
US-PATENT-CLASS-128-903	c 52	N80-18691*	#	US-PATENT-CLASS-136-6	c 44	N82-24641*	#	US-PATENT-CLASS-137-397	c 15	N73-26472*	#
US-PATENT-CLASS-128-92C	c 27	N78-17215*	#	US-PATENT-CLASS-136-6	c 44	N82-24642*	#	US-PATENT-CLASS-137-469	c 05	N72-20097*	#
US-PATENT-CLASS-128-92G	c 27	N78-17215*	#	US-PATENT-CLASS-136-6	c 44	N82-24643*	#	US-PATENT-CLASS-137-484 2	c 34	N78-25531*	#
US-PATENT-CLASS-129-167	c 08	N71-15908*	#	US-PATENT-CLASS-136-6	c 44	N82-24644*	#	US-PATENT-CLASS-137-487 5	c 14	N73-13418*	#
US-PATENT-CLASS-13-20	c 11	N72-23215*	#	US-PATENT-CLASS-136-79	c 03	N72-20032*	#	US-PATENT-CLASS-137-491	c 15	N69-21924*	#
US-PATENT-CLASS-13-20	c 12	N79-26075*	#	US-PATENT-CLASS-136-81	c 03	N72-20032*	#	US-PATENT-CLASS-137-493	c 52	N81-25660*	#
US-PATENT-CLASS-13-22	c 12	N79-26075*	#	US-PATENT-CLASS-136-83R	c 03	N72-20034*	#	US-PATENT-CLASS-137-495	c 15	N70-38603*	#
US-PATENT-CLASS-13-24	c 12	N79-26075*	#	US-PATENT-CLASS-136-83R	c 44	N76-18641*	#	US-PATENT-CLASS-137-496	c 15	N71-22706*	#
US-PATENT-CLASS-13-26	c 33	N71-15625*	#	US-PATENT-CLASS-136-83	c 03	N71-28579*	#	US-PATENT-CLASS-137-501	c 34	N78-25531*	#
US-PATENT-CLASS-13-31	c 14	N71-23267*	#	US-PATENT-CLASS-136-86A	c 44	N76-27664*	#	US-PATENT-CLASS-137-505 12	c 14	N71-18625*	#
US-PATENT-CLASS-13-31	c 11	N72-23215*	#	US-PATENT-CLASS-136-86S	c 44	N76-18641*	#	US-PATENT-CLASS-137-505 16	c 34	N78-25351*	#
US-PATENT-CLASS-13-35	c 31	N74-27900*	#	US-PATENT-CLASS-136-86	c 03	N71-11052*	#	US-PATENT-CLASS-137-505 25	c 37	N78-25426*	#
US-PATENT-CLASS-13-35	c 33	N74-21445*	#	US-PATENT-CLASS-136-86	c 03	N71-20904*	#	US-PATENT-CLASS-137-505 38	c 37	N75-15050*	#
US-PATENT-CLASS-134-137	c 37	N82-12441*	#	US-PATENT-CLASS-136-86	c 15	N71-23022*	#	US-PATENT-CLASS-137-505 42	c 37	N75-15050*	#
US-PATENT-CLASS-134-17	c 43	N81-26509*	#	US-PATENT-CLASS-136-86	c 03	N71-29044*	#	US-PATENT-CLASS-137-515 3	c 37	N76-14463*	#
US-PATENT-CLASS-134-21	c 37	N76-18456*	#	US-PATENT-CLASS-136-89AC	c 44	N77-31601*	#	US-PATENT-CLASS-137-516 27	c 15	N73-30459*	#
US-PATENT-CLASS-134-37	c 37	N76-18456*	#	US-PATENT-CLASS-136-89CA	c 44	N79-25482*	#	US-PATENT-CLASS-137-535	c 15	N73-30459*	#
US-PATENT-CLASS-135-1	c 32	N70-36536*	#	US-PATENT-CLASS-136-89CC	c 44	N78-25527*	#	US-PATENT-CLASS-137-535	c 05	N73-32014*	#
US-PATENT-CLASS-136-100R	c 03	N72-20034*	#	US-PATENT-CLASS-136-89CC	c 44	N78-25529*	#	US-PATENT-CLASS-137-538	c 05	N73-25125*	#
US-PATENT-CLASS-136-114	c 44	N76-14601*	#	US-PATENT-CLASS-136-89CC	c 44	N79-11467*	#	US-PATENT-CLASS-137-539	c 15	N70-41811*	#
US-PATENT-CLASS-136-132	c 03	N71-11053*	#	US-PATENT-CLASS-136-89CC	c 44	N79-17314*	#	US-PATENT-CLASS-137-549	c 37	N81-17433*	#
US-PATENT-CLASS-136-132	c 03	N71-22974*	#	US-PATENT-CLASS-136-89CC	c 44	N79-25482*	#	US-PATENT-CLASS-137-550	c 37	N76-14463*	#
US-PATENT-CLASS-136-133	c 15	N69-24320*	#	US-PATENT-CLASS-136-89CC	c 44	N79-31752*	#	US-PATENT-CLASS-137-554	c 09	N71-23191*	
US-PATENT-CLASS-136-133	c 03	N71-23006*	#	US-PATENT-CLASS-136-89H	c 44	N78-25528*	#	US-PATENT-CLASS-137-559	c 11	N73-12265*	#
US-PATENT-CLASS-136-133	c 03	N72-15986*	#	US-PATENT-CLASS-136-89H	c 44	N78-25529*	#	US-PATENT-CLASS-137-574	c 20	N80-10278*	#

US-PATENT-CLASS-137-625.3	c 37	N78-25426* #	US-PATENT-CLASS-148-32	c 26	N80-23419* #	US-PATENT-CLASS-156-213	c 24	N80-26388* #
US-PATENT-CLASS-137-625.4	c 37	N80-23654* #	US-PATENT-CLASS-148-428	c 26	N82-31505* #	US-PATENT-CLASS-156-218	c 54	N74-32546* #
US-PATENT-CLASS-137-625.5	c 15	N71-23051*	US-PATENT-CLASS-148-6 11	c 15	N71-24875*	US-PATENT-CLASS-156-229	c 24	N77-28225* #
US-PATENT-CLASS-137-625.69	c 15	N70-36908* #	US-PATENT-CLASS-148-6 16	c 16	N71-23047*	US-PATENT-CLASS-156-242	c 15	N69-24322* #
US-PATENT-CLASS-137-628	c 37	N74-21065* #	US-PATENT-CLASS-148-6 20	c 17	N71-23828*	US-PATENT-CLASS-156-242	c 37	N76-24575* #
US-PATENT-CLASS-137-637.05	c 37	N79-11402* #	US-PATENT-CLASS-148-6.3	c 17	N71-33408*	US-PATENT-CLASS-156-242	c 24	N81-33235* #
US-PATENT-CLASS-137-81.5	c 12	N69-21466* #	US-PATENT-CLASS-148-6.3	c 44	N79-18444* #	US-PATENT-CLASS-156-245	c 31	N74-18089* #
US-PATENT-CLASS-137-81.5	c 15	N71-15609* #	US-PATENT-CLASS-148-6	c 18	N71-29040*	US-PATENT-CLASS-156-245	c 24	N78-17149* #
US-PATENT-CLASS-137-81.5	c 12	N71-17578*	US-PATENT-CLASS-148-6	c 76	N79-16678* #	US-PATENT-CLASS-156-245	c 24	N81-33235* #
US-PATENT-CLASS-137-81.5	c 12	N71-17579*	US-PATENT-CLASS-149-105	c 28	N78-31255* #	US-PATENT-CLASS-156-247	c 31	N74-18089* #
US-PATENT-CLASS-137-81.5	c 10	N71-25899*	US-PATENT-CLASS-149-108.4	c 28	N80-23471* #	US-PATENT-CLASS-156-250	c 03	N72-25019* #
US-PATENT-CLASS-137-81.5	c 12	N71-27332*	US-PATENT-CLASS-149-108.4	c 28	N81-15119* #	US-PATENT-CLASS-156-252	c 24	N81-33235* #
US-PATENT-CLASS-137-81.5	c 12	N71-28741*	US-PATENT-CLASS-149-109	c 27	N70-41897* #	US-PATENT-CLASS-156-264	c 05	N72-25121* #
US-PATENT-CLASS-137-81.5	c 28	N72-22772* #	US-PATENT-CLASS-149-111	c 28	N78-31255* #	US-PATENT-CLASS-156-264	c 24	N78-17150* #
US-PATENT-CLASS-137-81.5	c 15	N72-33477* #	US-PATENT-CLASS-149-15	c 44	N80-20808* #	US-PATENT-CLASS-156-264	c 24	N81-33235* #
US-PATENT-CLASS-137-81.5	c 15	N73-13462*	US-PATENT-CLASS-149-17	c 28	N74-33209*	US-PATENT-CLASS-156-267	c 27	N81-14077* #
US-PATENT-CLASS-137-81.5	c 28	N73-13773* #	US-PATENT-CLASS-149-19.2	c 28	N80-28536* #	US-PATENT-CLASS-156-272	c 27	N80-32516* #
US-PATENT-CLASS-137-819	c 33	N74-11050* #	US-PATENT-CLASS-149-19.4	c 28	N78-31255* #	US-PATENT-CLASS-156-272	c 33	N82-26571* #
US-PATENT-CLASS-137-81	c 05	N72-20097* #	US-PATENT-CLASS-149-19.4	c 20	N78-32179* #	US-PATENT-CLASS-156-278	c 44	N80-18550* #
US-PATENT-CLASS-137-81	c 14	N73-13418* #	US-PATENT-CLASS-149-19.4	c 28	N79-28342* #	US-PATENT-CLASS-156-285	c 15	N71-23052* #
US-PATENT-CLASS-137-833	c 33	N74-11050* #	US-PATENT-CLASS-149-19.8	c 28	N78-31255* #	US-PATENT-CLASS-156-285	c 18	N73-30532* #
US-PATENT-CLASS-137-840	c 33	N74-11050* #	US-PATENT-CLASS-149-19.9	c 28	N79-14228* #	US-PATENT-CLASS-156-285	c 31	N74-18089* #
US-PATENT-CLASS-137-886	c 37	N81-17433* #	US-PATENT-CLASS-149-19.9	c 28	N79-14228* #	US-PATENT-CLASS-156-285	c 24	N74-27035* #
US-PATENT-CLASS-137-887	c 37	N81-17433* #	US-PATENT-CLASS-149-19.9	c 28	N79-28342* #	US-PATENT-CLASS-156-285	c 24	N78-17149* #
US-PATENT-CLASS-138-8R	c 27	N81-15104* #	US-PATENT-CLASS-149-19.9	c 28	N80-28536* #	US-PATENT-CLASS-156-285	c 24	N78-17150* #
US-PATENT-CLASS-138-103	c 52	N80-16725* #	US-PATENT-CLASS-149-19	c 27	N71-14090* #	US-PATENT-CLASS-156-285	c 44	N80-18550* #
US-PATENT-CLASS-138-113	c 34	N75-12222* #	US-PATENT-CLASS-149-19	c 27	N72-25699* #	US-PATENT-CLASS-156-285	c 24	N80-26388* #
US-PATENT-CLASS-138-114	c 34	N75-12222* #	US-PATENT-CLASS-149-19	c 27	N73-16764* #	US-PATENT-CLASS-156-285	c 24	N81-29163* #
US-PATENT-CLASS-138-119	c 32	N70-41579* #	US-PATENT-CLASS-149-1	c 23	N71-16212* #	US-PATENT-CLASS-156-285	c 24	N81-33235* #
US-PATENT-CLASS-138-133	c 52	N80-16725* #	US-PATENT-CLASS-149-1	c 06	N73-30097* #	US-PATENT-CLASS-156-286	c 37	N76-21554* #
US-PATENT-CLASS-138-148	c 34	N75-12222* #	US-PATENT-CLASS-149-1	c 28	N80-20402* #	US-PATENT-CLASS-156-286	c 37	N76-24575* #
US-PATENT-CLASS-138-178	c 15	N72-20445* #	US-PATENT-CLASS-149-1	c 28	N81-14103* #	US-PATENT-CLASS-156-286	c 24	N78-17150* #
US-PATENT-CLASS-138-33	c 52	N80-16725* #	US-PATENT-CLASS-149-20	c 27	N72-25699* #	US-PATENT-CLASS-156-289	c 24	N78-17149* #
US-PATENT-CLASS-138-42	c 15	N71-15608* #	US-PATENT-CLASS-149-20	c 28	N79-14228* #	US-PATENT-CLASS-156-289	c 24	N78-17150* #
US-PATENT-CLASS-138-43	c 15	N71-19213*	US-PATENT-CLASS-149-20	c 28	N79-28342* #	US-PATENT-CLASS-156-290	c 24	N81-33235* #
US-PATENT-CLASS-138-45	c 15	N71-18580*	US-PATENT-CLASS-149-20	c 28	N80-28536* #	US-PATENT-CLASS-156-292	c 27	N80-32516* #
US-PATENT-CLASS-138-45	c 15	N73-13462*	US-PATENT-CLASS-149-2	c 12	N70-40124* #	US-PATENT-CLASS-156-292	c 24	N81-17170* #
US-PATENT-CLASS-138-46	c 12	N71-18615*	US-PATENT-CLASS-149-36	c 27	N72-25699* #	US-PATENT-CLASS-156-294	c 37	N81-14317* #
US-PATENT-CLASS-138-84	c 15	N71-18580*	US-PATENT-CLASS-149-36	c 27	N73-16764* #	US-PATENT-CLASS-156-294	c 24	N81-29163* #
US-PATENT-CLASS-138-96R	c 37	N79-22474* #	US-PATENT-CLASS-149-36	c 06	N73-30097* #	US-PATENT-CLASS-156-295	c 27	N81-14077* #
US-PATENT-CLASS-139-425R	c 28	N72-11708*	US-PATENT-CLASS-149-36	c 24	N76-14203* #	US-PATENT-CLASS-156-300	c 24	N78-17150* #
US-PATENT-CLASS-140-105	c 15	N72-12408*	US-PATENT-CLASS-149-37	c 44	N80-20808* #	US-PATENT-CLASS-156-303	c 44	N80-18550* #
US-PATENT-CLASS-140-123	c 15	N71-15918*	US-PATENT-CLASS-149-42	c 20	N78-32179* #	US-PATENT-CLASS-156-306	c 24	N78-17150* #
US-PATENT-CLASS-140-124	c 15	N71-10809*	US-PATENT-CLASS-149-43	c 20	N78-32179* #	US-PATENT-CLASS-156-307 3	c 27	N82-11206* #
US-PATENT-CLASS-141-197	c 35	N78-10428* #	US-PATENT-CLASS-149-44	c 20	N78-32179* #	US-PATENT-CLASS-156-307 5	c 27	N82-11206* #
US-PATENT-CLASS-141-23	c 15	N72-21465* #	US-PATENT-CLASS-149-60	c 28	N74-33209* #	US-PATENT-CLASS-156-308	c 05	N72-25121* #
US-PATENT-CLASS-141-258	c 14	N71-27005*	US-PATENT-CLASS-149-76	c 28	N74-33209* #	US-PATENT-CLASS-156-309	c 31	N74-18089* #
US-PATENT-CLASS-141-4	c 35	N78-10428* #	US-PATENT-CLASS-149-76	c 20	N78-32179* #	US-PATENT-CLASS-156-309	c 27	N78-17205* #
US-PATENT-CLASS-141-5	c 33	N71-20834*	US-PATENT-CLASS-149-83	c 20	N78-32179* #	US-PATENT-CLASS-156-311	c 24	N78-17150* #
US-PATENT-CLASS-141-91	c 12	N71-21089*	US-PATENT-CLASS-149-85	c 20	N78-32179* #	US-PATENT-CLASS-156-312	c 44	N80-18550* #
US-PATENT-CLASS-148-15	c 26	N71-10607*	US-PATENT-CLASS-149-88	c 28	N78-31255* #	US-PATENT-CLASS-156-315	c 27	N82-24340* #
US-PATENT-CLASS-148-15	c 26	N71-23654*	US-PATENT-CLASS-149-92	c 27	N72-25699* #	US-PATENT-CLASS-156-320	c 15	N72-11392* #
US-PATENT-CLASS-148-15	c 76	N74-20329*	US-PATENT-CLASS-149-92	c 28	N78-31255* #	US-PATENT-CLASS-156-323	c 27	N81-14077* #
US-PATENT-CLASS-148-15	c 44	N80-29835*	US-PATENT-CLASS-149-93	c 28	N78-31255* #	US-PATENT-CLASS-156-329	c 27	N82-29456* #
US-PATENT-CLASS-148-15	c 33	N81-26360*	US-PATENT-CLASS-155-143	c 15	N72-11390*	US-PATENT-CLASS-156-330	c 24	N81-14000* #
US-PATENT-CLASS-148-15	c 44	N82-26777*	US-PATENT-CLASS-155-210	c 15	N72-11390*	US-PATENT-CLASS-156-331 5	c 27	N82-11206* #
US-PATENT-CLASS-148-15	c 44	N82-29709*	US-PATENT-CLASS-155-230 16	c 37	N79-10422* #	US-PATENT-CLASS-156-331	c 37	N74-18126* #
US-PATENT-CLASS-148-115R	c 15	N73-13465*	US-PATENT-CLASS-155-230 17	c 37	N79-10422* #	US-PATENT-CLASS-156-331	c 27	N78-17205* #
US-PATENT-CLASS-148-124	c 26	N79-22271* #	US-PATENT-CLASS-155-415	c 14	N73-30395* #	US-PATENT-CLASS-156-331	c 24	N79-16915* #
US-PATENT-CLASS-148-127A	c 26	N78-24333*	US-PATENT-CLASS-150-11	c 37	N81-14317* #	US-PATENT-CLASS-156-331	c 27	N81-14077* #
US-PATENT-CLASS-148-127N	c 26	N77-20201*	US-PATENT-CLASS-150-1	c 52	N79-14749* #	US-PATENT-CLASS-156-338	c 27	N82-24340* #
US-PATENT-CLASS-148-12F	c 26	N79-22271*	US-PATENT-CLASS-151-41.76	c 37	N80-23653* #	US-PATENT-CLASS-156-344	c 28	N81-14103* #
US-PATENT-CLASS-148-121	c 76	N79-16678*	US-PATENT-CLASS-152-11	c 31	N71-18611*	US-PATENT-CLASS-156-345	c 15	N70-42033* #
US-PATENT-CLASS-148-125	c 26	N78-24333*	US-PATENT-CLASS-152-225	c 15	N71-27091*	US-PATENT-CLASS-156-331	c 27	N78-17205* #
US-PATENT-CLASS-148-126	c 17	N71-24142*	US-PATENT-CLASS-152-250	c 15	N71-27091*	US-PATENT-CLASS-156-362	c 37	N76-21554* #
US-PATENT-CLASS-148-126	c 18	N71-26153*	US-PATENT-CLASS-152-330RF	c 37	N81-24443* #	US-PATENT-CLASS-156-3	c 17	N71-16044* #
US-PATENT-CLASS-148-126	c 18	N71-28729*	US-PATENT-CLASS-152-353G	c 37	N81-24443* #	US-PATENT-CLASS-156-3	c 15	N71-21404* #
US-PATENT-CLASS-148-126	c 26	N74-10521*	US-PATENT-CLASS-152-353R	c 37	N81-24443* #	US-PATENT-CLASS-156-3	c 15	N71-24047* #
US-PATENT-CLASS-148-127	c 26	N75-29236*	US-PATENT-CLASS-152-379 4	c 37	N81-24443* #	US-PATENT-CLASS-156-3	c 06	N72-21094* #
US-PATENT-CLASS-148-131	c 26	N80-28492*	US-PATENT-CLASS-156-307 7	c 27	N82-11206*	US-PATENT-CLASS-156-315	c 15	N71-11239*
US-PATENT-CLASS-148-13	c 14	N71-25892*	US-PATENT-CLASS-156-DIG 6-8	c 76	N79-23798* #	US-PATENT-CLASS-156-510	c 03	N72-25019* #
US-PATENT-CLASS-148-162	c 26	N77-20201*	US-PATENT-CLASS-156-DIG 62	c 76	N77-32919* #	US-PATENT-CLASS-156-52	c 31	N77-21226* #
US-PATENT-CLASS-148-173	c 76	N83-20789*	US-PATENT-CLASS-156-DIG 64	c 76	N79-11920* #	US-PATENT-CLASS-156-545	c 15	N71-21416* #
US-PATENT-CLASS-148-174	c 26	N71-29156*	US-PATENT-CLASS-156-DIG 64	c 44	N80-24741* #	US-PATENT-CLASS-156-556	c 37	N76-21554* #
US-PATENT-CLASS-148-174	c 44	N76-26365*	US-PATENT-CLASS-156-DIG 64	c 76	N80-32245* #	US-PATENT-CLASS-156-601	c 76	N77-32919* #
US-PATENT-CLASS-148-174	c 44	N78-24609*	US-PATENT-CLASS-156-DIG 65	c 76	N79-11920* #	US-PATENT-CLASS-156-601	c 76	N80-32245* #
US-PATENT-CLASS-148-175	c 25	N75-26043*	US-PATENT-CLASS-156-DIG 88	c 76	N79-11920* #	US-PATENT-CLASS-156-602	c 76	N82-30105* #
US-PATENT-CLASS-148-175	c 76	N76-25049*	US-PATENT-CLASS-156-DIG 88	c 76	N80-32245* #	US-PATENT-CLASS-156-605	c 44	N80-24741* #
US-PATENT-CLASS-148-175	c 44	N76-26365*	US-PATENT-CLASS-156-DIG 96	c 76	N80-32244* #	US-PATENT-CLASS-156-608	c 76	N79-11920* #
US-PATENT-CLASS-148-175	c 44	N82-28780*	US-PATENT-CLASS-156-DIG 96	c 33	N81-19389* #	US-PATENT-CLASS-156-608	c 33	N81-19389* #
US-PATENT-CLASS-148-175	c 76	N83-20789*	US-PATENT-CLASS-156-104	c 44	N80-18550* #	US-PATENT-CLASS-156-608	c 76	N82-30105* #
US-PATENT-CLASS-148-187	c 26	N78-17820*	US-PATENT-CLASS-156-154	c 24	N78-17150* #	US-PATENT-CLASS-156-608	c 76	N83-20789* #
US-PATENT-CLASS-148-187	c 14	N72-28438*	US-PATENT-CLASS-156-154	c 27	N81-14077* #	US-PATENT-CLASS-156-60	c 15	N71-22713*
US-PATENT-CLASS-148-187	c 33	N81-26360*	US-PATENT-CLASS-156-157	c 33	N82-26571* #	US-PATENT-CLASS-156-610	c 76	N76-25049* #
US-PATENT-CLASS-148-188	c 24	N71-10560*	US-PATENT-CLASS-156-160	c 27	N81-14077* #	US-PATENT-CLASS-156-612	c 76	N76-25049* #
US-PATENT-CLASS-148-188	c 09	N71-12513*	US-PATENT-CLASS-156-161	c 24	N81-29163* #	US-PATENT-CLASS-156-612	c 44	N76-28635* #
US-PATENT-CLASS-148-188	c 4							

US-PATENT-CLASS-156-633	c 44	N78-25529*	#	US-PATENT-CLASS-165-141	c 28	N73-32606*	#	US-PATENT-CLASS-176-16	c 25	N76-27383*	#
US-PATENT-CLASS-156-635	c 76	N83-20789*	#	US-PATENT-CLASS-165-146	c 34	N79-13289*	#	US-PATENT-CLASS-176-16	c 25	N76-29379*	#
US-PATENT-CLASS-156-645	c 27	N77-32308*	#	US-PATENT-CLASS-165-155	c 33	N72-20915*	#	US-PATENT-CLASS-176-16	c 25	N78-27226*	#
US-PATENT-CLASS-156-647	c 33	N81-26360*	#	US-PATENT-CLASS-165-158	c 33	N72-20915*	#	US-PATENT-CLASS-176-22	c 73	N78-28913*	#
US-PATENT-CLASS-156-648	c 33	N81-26360*	#	US-PATENT-CLASS-165-161	c 33	N72-20915*	#	US-PATENT-CLASS-176-33	c 73	N78-19920*	#
US-PATENT-CLASS-156-649	c 33	N81-26360*	#	US-PATENT-CLASS-165-164	c 34	N77-10463*	#	US-PATENT-CLASS-176-39	c 73	N78-28913*	#
US-PATENT-CLASS-156-654	c 76	N83-20789*	#	US-PATENT-CLASS-165-166	c 54	N77-32722*	#	US-PATENT-CLASS-176-3	c 75	N75-13625*	#
US-PATENT-CLASS-156-662	c 76	N83-20789*	#	US-PATENT-CLASS-165-169	c 34	N79-13288*	#	US-PATENT-CLASS-176-45	c 22	N71-28759*	
US-PATENT-CLASS-156-663	c 27	N77-32308*	#	US-PATENT-CLASS-165-169	c 34	N79-13289*	#	US-PATENT-CLASS-176-45	c 22	N72-20597*	#
US-PATENT-CLASS-156-666	c 15	N72-11392*	#	US-PATENT-CLASS-165-16	c 31	N80-32583*	#	US-PATENT-CLASS-176-86G	c 35	N77-19385*	#
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US-PATENT-CLASS-204-298		c 37	N75-19684*	#	US-PATENT-CLASS-210-63R	c 45	N79-12584*	#	US-PATENT-CLASS-219-510	c 35	N81-26431*	#
US-PATENT-CLASS-204-299R		c 25	N78-14104*	#	US-PATENT-CLASS-210-63Z	c 45	N80-14579*	#	US-PATENT-CLASS-219-522	c 11	N73-12265*	#
US-PATENT-CLASS-204-299R		c 25	N78-14169*	#	US-PATENT-CLASS-210-66	c 85	N79-17747*	#	US-PATENT-CLASS-219-522	c 52	N80-16725*	#
US-PATENT-CLASS-204-299R		c 37	N80-14397*	#	US-PATENT-CLASS-210-67	c 85	N79-17747*	#	US-PATENT-CLASS-219-530	c 33	N75-25353*	
US-PATENT-CLASS-204-299R		c 51	N80-16715*	#	US-PATENT-CLASS-210-70	c 85	N79-17747*	#	US-PATENT-CLASS-219-539	c 33	N74-14935*	#
US-PATENT-CLASS-204-299R		c 25	N83-10126*	#	US-PATENT-CLASS-210-71	c 25	N78-10225*	#	US-PATENT-CLASS-219-545	c 33	N82-26571*	#
US-PATENT-CLASS-204-299R		c 25	N83-13187*	#	US-PATENT-CLASS-210-73R	c 85	N79-17747*	#	US-PATENT-CLASS-219-62	c 15	N73-28515*	#
US-PATENT-CLASS-204-299R		c 34	N74-27744*	#	US-PATENT-CLASS-210-82	c 34	N75-33342*	#	US-PATENT-CLASS-219-72	c 15	N73-14932*	#
US-PATENT-CLASS-204-299R		c 25	N79-10163*	#	US-PATENT-CLASS-210-96M	c 54	N78-14784*	#	US-PATENT-CLASS-219-78	c 37	N74-11300*	#
US-PATENT-CLASS-204-301		c 54	N78-14784*	#	US-PATENT-CLASS-212-							

US-PATENT-CLASS-220-429	c 44	N80-20808*	#	US-PATENT-CLASS-23-230PC	c 25	N78-15210*	#	US-PATENT-CLASS-235-150 3	c 33	N74-10223*	#
US-PATENT-CLASS-220-445	c 37	N80-18393*	#	US-PATENT-CLASS-23-230PC	c 25	N82-12166*	#	US-PATENT-CLASS-235-150 52	c 08	N72-22165*	#
US-PATENT-CLASS-220-46	c 15	N71-27068*	#	US-PATENT-CLASS-23-230R	c 06	N72-17094*	#	US-PATENT-CLASS-235-150 53	c 08	N72-22165*	#
US-PATENT-CLASS-220-5R	c 15	N72-22486*	#	US-PATENT-CLASS-23-230R	c 17	N73-12547*	#	US-PATENT-CLASS-235-150 53	c 07	N73-13149*	#
US-PATENT-CLASS-220-55	c 15	N69-27502*	#	US-PATENT-CLASS-23-230R	c 17	N73-27446*	#	US-PATENT-CLASS-235-150 53	c 33	N75-26243*	#
US-PATENT-CLASS-220-63	c 11	N70-38182*	#	US-PATENT-CLASS-23-230R	c 25	N76-18245*	#	US-PATENT-CLASS-235-151 13	c 25	N76-18245*	#
US-PATENT-CLASS-220-67	c 15	N71-10577*	#	US-PATENT-CLASS-23-230R	c 45	N76-31714*	#	US-PATENT-CLASS-235-151 1	c 08	N71-29033*	
US-PATENT-CLASS-220-82R	c 31	N81-19343*	#	US-PATENT-CLASS-23-230R	c 23	N77-17161*	#	US-PATENT-CLASS-235-151 1	c 08	N72-31226*	#
US-PATENT-CLASS-220-89A	c 31	N81-19343*	#	US-PATENT-CLASS-23-230	c 06	N71-23527*	#	US-PATENT-CLASS-235-151 27	c 08	N73-25206*	#
US-PATENT-CLASS-220-89	c 11	N71-15960*	#	US-PATENT-CLASS-23-230	c 06	N72-17095*	#	US-PATENT-CLASS-235-151 31	c 10	N73-25240*	#
US-PATENT-CLASS-220-89	c 11	N71-17600*	#	US-PATENT-CLASS-23-231	c 23	N77-17161*	#	US-PATENT-CLASS-235-151 34	c 35	N76-14431*	#
US-PATENT-CLASS-220-901	c 37	N80-18393*	#	US-PATENT-CLASS-23-232C	c 06	N72-17094*	#	US-PATENT-CLASS-235-151 3	c 52	N74-22771*	#
US-PATENT-CLASS-220-9	c 23	N71-22881*	#	US-PATENT-CLASS-23-232C	c 25	N76-18245*	#	US-PATENT-CLASS-235-151 3	c 38	N78-17395*	#
US-PATENT-CLASS-220-9	c 18	N71-23658*	#	US-PATENT-CLASS-23-232C	c 23	N77-17161*	#	US-PATENT-CLASS-235-151 3	c 38	N78-17396*	#
US-PATENT-CLASS-220-9	c 15	N71-23816*	#	US-PATENT-CLASS-23-232E	c 06	N73-16106*	#	US-PATENT-CLASS-235-151	c 37	N74-21056*	#
US-PATENT-CLASS-220-9	c 33	N71-25351*	#	US-PATENT-CLASS-23-232E	c 45	N76-31714*	#	US-PATENT-CLASS-235-152IE	c 08	N73-32081*	#
US-PATENT-CLASS-221-265	c 51	N74-15778*	#	US-PATENT-CLASS-23-232E	c 25	N78-15210*	#	US-PATENT-CLASS-235-152	c 07	N71-24741*	
US-PATENT-CLASS-222-131	c 31	N79-21225*	#	US-PATENT-CLASS-23-232E	c 25	N82-12166*	#	US-PATENT-CLASS-235-152	c 08	N72-20176*	#
US-PATENT-CLASS-222-135	c 15	N72-21465*	#	US-PATENT-CLASS-23-232R	c 06	N73-16106*	#	US-PATENT-CLASS-235-152	c 08	N72-22167*	#
US-PATENT-CLASS-222-137	c 14	N71-27005*	#	US-PATENT-CLASS-23-232R	c 45	N76-31714*	#	US-PATENT-CLASS-235-152	c 08	N72-25210*	#
US-PATENT-CLASS-222-145	c 37	N76-19436*	#	US-PATENT-CLASS-23-232R	c 23	N77-17161*	#	US-PATENT-CLASS-235-152	c 08	N73-12175*	#
US-PATENT-CLASS-222-193	c 37	N74-13178*	#	US-PATENT-CLASS-23-232R	c 25	N78-15210*	#	US-PATENT-CLASS-235-152	c 09	N73-13209*	#
US-PATENT-CLASS-222-309	c 15	N72-21465*	#	US-PATENT-CLASS-23-252R	c 25	N74-12813*	#	US-PATENT-CLASS-235-152	c 08	N73-26175*	#
US-PATENT-CLASS-222-309	c 54	N74-12779*	#	US-PATENT-CLASS-23-252R	c 25	N79-10162*	#	US-PATENT-CLASS-235-152	c 60	N77-14751*	#
US-PATENT-CLASS-222-324	c 54	N74-17853*	#	US-PATENT-CLASS-23-252R	c 25	N79-28253*	#	US-PATENT-CLASS-235-153AE	c 60	N76-21914*	#
US-PATENT-CLASS-222-340	c 54	N74-12779*	#	US-PATENT-CLASS-23-253A	c 51	N77-27677*	#	US-PATENT-CLASS-235-153AK	c 62	N74-14920*	#
US-PATENT-CLASS-222-387	c 54	N74-12779*	#	US-PATENT-CLASS-23-253A	c 54	N78-14784*	#	US-PATENT-CLASS-235-153	c 08	N71-24633*	#
US-PATENT-CLASS-222-389	c 15	N70-38996*	#	US-PATENT-CLASS-23-253PC	c 06	N72-17094*	#	US-PATENT-CLASS-235-153	c 08	N72-22166*	#
US-PATENT-CLASS-222-414	c 14	N73-27378*	#	US-PATENT-CLASS-23-253PC	c 37	N74-18123*	#	US-PATENT-CLASS-235-154	c 08	N70-34778*	#
US-PATENT-CLASS-222-445	c 14	N70-40233*	#	US-PATENT-CLASS-23-253R	c 15	N72-21465*	#	US-PATENT-CLASS-235-154	c 10	N71-23662*	#
US-PATENT-CLASS-222-49	c 14	N71-27005*	#	US-PATENT-CLASS-23-253R	c 25	N75-14844*	#	US-PATENT-CLASS-235-154	c 08	N72-18184*	#
US-PATENT-CLASS-222-514	c 54	N74-12779*	#	US-PATENT-CLASS-23-253R	c 25	N76-18245*	#	US-PATENT-CLASS-235-154	c 08	N72-25206*	#
US-PATENT-CLASS-222-61	c 27	N71-29155*	#	US-PATENT-CLASS-23-253	c 23	N71-16355*	#	US-PATENT-CLASS-235-155	c 08	N71-24890*	#
US-PATENT-CLASS-222-621	c 37	N77-28487*	#	US-PATENT-CLASS-23-253	c 06	N71-26754*	#	US-PATENT-CLASS-235-155	c 08	N72-21197*	#
US-PATENT-CLASS-222-71	c 15	N72-21465*	#	US-PATENT-CLASS-23-253	c 06	N72-17095*	#	US-PATENT-CLASS-235-155	c 08	N73-12176*	#
US-PATENT-CLASS-222-95	c 37	N77-28487*	#	US-PATENT-CLASS-23-254EF	c 35	N76-18403*	#	US-PATENT-CLASS-235-156	c 08	N71-18693*	#
US-PATENT-CLASS-224-25A	c 05	N72-23085*	#	US-PATENT-CLASS-23-254E	c 06	N73-16106*	#	US-PATENT-CLASS-235-156	c 60	N75-13539*	#
US-PATENT-CLASS-224-25	c 05	N71-12351*	#	US-PATENT-CLASS-23-254E	c 33	N75-26245*	#	US-PATENT-CLASS-235-156	c 32	N76-21366*	#
US-PATENT-CLASS-224-444	c 54	N74-17853*	#	US-PATENT-CLASS-23-254E	c 35	N75-29380*	#	US-PATENT-CLASS-235-156	c 32	N77-10392*	#
US-PATENT-CLASS-225-103	c 37	N82-32730*	#	US-PATENT-CLASS-23-254E	c 45	N76-21742*	#	US-PATENT-CLASS-235-156	c 38	N78-17395*	#
US-PATENT-CLASS-225-1	c 15	N71-17628*	#	US-PATENT-CLASS-23-254R	c 06	N73-16106*	#	US-PATENT-CLASS-235-156	c 38	N78-17396*	#
US-PATENT-CLASS-225-2	c 26	N71-14354*	#	US-PATENT-CLASS-23-254R	c 25	N76-18245*	#	US-PATENT-CLASS-235-158	c 08	N71-19437*	#
US-PATENT-CLASS-226-190	c 08	N71-19420*	#	US-PATENT-CLASS-23-254R	c 23	N77-17161*	#	US-PATENT-CLASS-235-164	c 08	N71-31110*	#
US-PATENT-CLASS-226-58	c 14	N71-28935*	#	US-PATENT-CLASS-23-254	c 14	N71-20442*	#	US-PATENT-CLASS-235-164	c 08	N73-26175*	#
US-PATENT-CLASS-228-107	c 37	N79-13364*	#	US-PATENT-CLASS-23-255	c 35	N75-29380*	#	US-PATENT-CLASS-235-164	c 60	N74-20836*	#
US-PATENT-CLASS-228-116	c 37	N81-19455*	#	US-PATENT-CLASS-23-255R	c 25	N76-18245*	#	US-PATENT-CLASS-235-175	c 08	N71-18602*	#
US-PATENT-CLASS-228-118	c 24	N81-17170*	#	US-PATENT-CLASS-23-259	c 15	N71-21732*	#	US-PATENT-CLASS-235-175	c 08	N71-33110*	#
US-PATENT-CLASS-228-118	c 24	N81-26179*	#	US-PATENT-CLASS-23-259	c 15	N72-21465*	#	US-PATENT-CLASS-235-176	c 08	N70-34787*	#
US-PATENT-CLASS-228-124	c 26	N77-29260*	#	US-PATENT-CLASS-23-259	c 37	N74-18123*	#	US-PATENT-CLASS-235-181	c 07	N71-21476*	#
US-PATENT-CLASS-228-13	c 18	N79-11108*	#	US-PATENT-CLASS-23-259	c 51	N77-27677*	#	US-PATENT-CLASS-235-181	c 07	N73-13149*	#
US-PATENT-CLASS-228-15 1	c 18	N79-11108*	#	US-PATENT-CLASS-23-277C	c 25	N74-33378*	#	US-PATENT-CLASS-235-181	c 35	N75-21582*	#
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US-PATENT-CLASS-228-170	c 24	N81-17170*	#	US-PATENT-CLASS-23-277	c 26	N70-40015*	#	US-PATENT-CLASS-235-181	c 43	N77-10584*	#
US-PATENT-CLASS-228-173	c 18	N79-11108*	#	US-PATENT-CLASS-23-281	c 28	N72-18766*	#	US-PATENT-CLASS-235-181	c 38	N78-17395*	#
US-PATENT-CLASS-228-174	c 24	N81-17170*	#	US-PATENT-CLASS-23-281	c 25	N74-12813*	#	US-PATENT-CLASS-235-183	c 08	N72-22165*	#
US-PATENT-CLASS-228-190	c 24	N75-28135*	#	US-PATENT-CLASS-23-281	c 44	N76-18642*	#	US-PATENT-CLASS-235-184	c 74	N76-18913*	#
US-PATENT-CLASS-228-190	c 26	N77-28265*	#	US-PATENT-CLASS-23-281	c 44	N76-29700*	#	US-PATENT-CLASS-235-186	c 10	N73-26230*	#
US-PATENT-CLASS-228-190	c 24	N81-17170*	#	US-PATENT-CLASS-23-281	c 44	N77-10636*	#	US-PATENT-CLASS-235-194	c 09	N71-19480*	#
US-PATENT-CLASS-228-190	c 24	N81-26179*	#	US-PATENT-CLASS-23-281	c 44	N77-22607*	#	US-PATENT-CLASS-235-194	c 08	N72-22165*	#
US-PATENT-CLASS-228-193	c 24	N75-28135*	#	US-PATENT-CLASS-23-284	c 35	N74-15127*	#	US-PATENT-CLASS-235-194	c 10	N73-26230*	#
US-PATENT-CLASS-228-193	c 37	N76-18455*	#	US-PATENT-CLASS-23-288F	c 25	N74-12813*	#	US-PATENT-CLASS-235-194	c 08	N72-22165*	#
US-PATENT-CLASS-228-194	c 26	N77-28265*	#	US-PATENT-CLASS-23-288J	c 25	N74-12813*	#	US-PATENT-CLASS-235-197	c 09	N72-23173*	#
US-PATENT-CLASS-228-1	c 37	N75-25185*	#	US-PATENT-CLASS-23-288R	c 28	N80-10374*	#	US-PATENT-CLASS-235-197	c 10	N73-20253*	#
US-PATENT-CLASS-228-2 5	c 37	N79-13364*	#	US-PATENT-CLASS-23-288	c 28	N72-18766*	#	US-PATENT-CLASS-235-197	c 10	N73-26230*	#
US-PATENT-CLASS-228-205	c 37	N81-19455*	#	US-PATENT-CLASS-23-292	c 51	N77-27677*	#	US-PATENT-CLASS-235-197	c 60	N75-13539*	#
US-PATENT-CLASS-228-206	c 37	N76-18455*	#	US-PATENT-CLASS-23-293R	c 28	N81-15119*	#	US-PATENT-CLASS-235-201	c 10	N71-25899*	#
US-PATENT-CLASS-228-212	c 37	N80-23655*	#	US-PATENT-CLASS-23-300	c 28	N80-23471*	#	US-PATENT-CLASS-235-61 6	c 01	N71-13411*	#
US-PATENT-CLASS-228-214	c 37	N76-18455*	#	US-PATENT-CLASS-23-302A	c 28	N80-23471*	#	US-PATENT-CLASS-235-61 6	c 15	N71-21179*	#
US-PATENT-CLASS-228-222	c 37	N80-23655*	#	US-PATENT-CLASS-23-302R	c 28	N80-23471*	#	US-PATENT-CLASS-235-61 6NV	c 08	N72-11172*	#
US-PATENT-CLASS-228-232	c 26	N77-28265*	#	US-PATENT-CLASS-23-302T	c 28	N80-23471*	#	US-PATENT-CLASS-235-61 6NV	c 35	N76-29552*	#
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US-PATENT-CLASS-228-263	c 26	N77-29260*	#	US-PATENT-CLASS-23-88	c 06	N72-17093*	#	US-PATENT-CLASS-235-78M	c 35	N76-29552*	#
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US-PATENT-CLASS-228-5 1	c 44	N79-24431*	#	US-PATENT-CLASS-23-97	c 06	N72-17093*	#	US-PATENT-CLASS-235-92CA	c 33	N74-10223*	#
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US-PATENT-CLASS-228-57	c 15	N72-24491*	#	US-PATENT-CLASS-233-DIG 1	c 04	N74-13420*	#	US-PATENT-CLASS-235-92CV	c 08	N73-25206*	#
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US-PATENT-CLASS-235-92R	c 33	N75-19519*	#	US-PATENT-CLASS-244-1R	c 34	N79-31523*	#	US-PATENT-CLASS-244-158R	c 31	N81-25258*	#
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US-PATENT-CLASS-235-92	c 14	N71-27215*	#	US-PATENT-CLASS-244-1SD	c 31	N73-26876*	#	US-PATENT-CLASS-244-161	c 18	N76-14186*	#
US-PATENT-CLASS-236-1F	c 35	N81-26431*	#	US-PATENT-CLASS-244-1SD	c 37	N74-27903*	#	US-PATENT-CLASS-244-161	c 37	N76-22540*	#
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US-PATENT-CLASS-236-1	c 33	N71-16357*	#	US-PATENT-CLASS-244-1SS	c 11	N73-13257*	#	US-PATENT-CLASS-244-161	c 15	N78-25119*	#
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US-PATENT-CLASS-236-58	c 15	N72-12409*	#	US-PATENT-CLASS-244-1SS	c 31	N73-32750*	#	US-PATENT-CLASS-244-162	c 18	N75-19329*	#
US-PATENT-CLASS-237-1A	c 44	N76-14602*	#	US-PATENT-CLASS-244-1SS	c 33	N73-32818*	#	US-PATENT-CLASS-244-162	c 18	N76-17185*	#
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US-PATENT-CLASS-237-1A	c 44	N78-31525*	#	US-PATENT-CLASS-244-100	c 15	N70-34850*	#	US-PATENT-CLASS-244-163	c 05	N81-26114*	#
US-PATENT-CLASS-237-1A	c 44	N79-24433*	#	US-PATENT-CLASS-244-100	c 31	N70-36654*	#	US-PATENT-CLASS-244-163	c 37	N82-16408*	#
US-PATENT-CLASS-237-60	c 34	N76-17317*	#	US-PATENT-CLASS-244-100	c 31	N70-36845*	#	US-PATENT-CLASS-244-163	c 27	N82-29456*	#
US-PATENT-CLASS-238-134	c 85	N74-34572*	#	US-PATENT-CLASS-244-100	c 02	N70-41589*	#	US-PATENT-CLASS-244-165	c 15	N76-14158*	#
US-PATENT-CLASS-238-1	c 05	N71-28619*	#	US-PATENT-CLASS-244-103R	c 37	N81-24443*	#	US-PATENT-CLASS-244-165	c 35	N77-20399*	#
US-PATENT-CLASS-239-102	c 37	N80-10494*	#	US-PATENT-CLASS-244-103	c 02	N70-36825*	#	US-PATENT-CLASS-244-165	c 35	N80-21719*	#
US-PATENT-CLASS-239-127 1	c 28	N71-23968*	#	US-PATENT-CLASS-244-110B	c 07	N82-26293*	#	US-PATENT-CLASS-244-167	c 15	N78-25119*	#
US-PATENT-CLASS-239-127 1	c 28	N73-32606*	#	US-PATENT-CLASS-244-110C	c 37	N82-18601*	#	US-PATENT-CLASS-244-168	c 04	N82-23231*	#
US-PATENT-CLASS-239-127 1	c 34	N79-13288*	#	US-PATENT-CLASS-244-113	c 02	N70-37939*	#	US-PATENT-CLASS-244-169	c 15	N77-10113*	#
US-PATENT-CLASS-239-127 1	c 34	N79-13289*	#	US-PATENT-CLASS-244-113	c 31	N71-25434*	#	US-PATENT-CLASS-244-16	c 02	N70-41863*	#
US-PATENT-CLASS-239-127 1	c 34	N80-24573*	#	US-PATENT-CLASS-244-113	c 02	N77-10001*	#	US-PATENT-CLASS-244-17 13	c 02	N73-19004*	#
US-PATENT-CLASS-239-127 1	c 44	N81-24519*	#	US-PATENT-CLASS-244-113	c 37	N82-16408*	#	US-PATENT-CLASS-244-17 13	c 08	N79-23097*	#
US-PATENT-CLASS-239-127 3	c 20	N76-14191*	#	US-PATENT-CLASS-244-114R	c 04	N82-16059*	#	US-PATENT-CLASS-244-17 25	c 05	N81-19087*	#
US-PATENT-CLASS-239-127 3	c 07	N80-32392*	#	US-PATENT-CLASS-244-114	c 21	N72-22619*	#	US-PATENT-CLASS-244-170	c 35	N80-21719*	#
US-PATENT-CLASS-239-171	c 37	N77-13418*	#	US-PATENT-CLASS-244-117A	c 33	N73-25952*	#	US-PATENT-CLASS-244-171	c 15	N77-10113*	#
US-PATENT-CLASS-239-265 11	c 18	N71-21068*	#	US-PATENT-CLASS-244-117A	c 34	N76-17317*	#	US-PATENT-CLASS-244-171	c 35	N77-20399*	#
US-PATENT-CLASS-239-265 11	c 07	N74-33218*	#	US-PATENT-CLASS-244-117A	c 37	N76-19437*	#	US-PATENT-CLASS-244-172	c 18	N76-17185*	#
US-PATENT-CLASS-239-265 11	c 07	N76-18117*	#	US-PATENT-CLASS-244-117A	c 34	N77-18382*	#	US-PATENT-CLASS-244-173	c 44	N75-32581*	#
US-PATENT-CLASS-239-265 15	c 37	N79-22474*	#	US-PATENT-CLASS-244-117A	c 05	N81-26114*	#	US-PATENT-CLASS-244-173	c 37	N81-15364*	#
US-PATENT-CLASS-239-265 17	c 07	N74-27490*	#	US-PATENT-CLASS-244-117	c 31	N70-33242*	#	US-PATENT-CLASS-244-173	c 07	N83-20944*	#
US-PATENT-CLASS-239-265 19	c 28	N71-21493*	#	US-PATENT-CLASS-244-117	c 33	N72-17947*	#	US-PATENT-CLASS-244-173	c 04	N82-23231*	#
US-PATENT-CLASS-239-265 19	c 28	N72-11708*	#	US-PATENT-CLASS-244-118 1	c 08	N82-32373*	#	US-PATENT-CLASS-244-181	c 08	N81-24106*	#
US-PATENT-CLASS-239-265 25	c 07	N78-27121*	#	US-PATENT-CLASS-244-119	c 02	N81-14968*	#	US-PATENT-CLASS-244-181	c 08	N81-26152*	#
US-PATENT-CLASS-239-265 25	c 09	N78-31129*	#	US-PATENT-CLASS-244-119	c 24	N82-24296*	#	US-PATENT-CLASS-244-182	c 08	N81-26152*	#
US-PATENT-CLASS-239-265 25	c 07	N78-27121*	#	US-PATENT-CLASS-244-119	c 24	N82-26384*	#	US-PATENT-CLASS-244-190	c 04	N82-23231*	#
US-PATENT-CLASS-239-265 33	c 07	N80-32392*	#	US-PATENT-CLASS-244-125	c 08	N81-19130*	#	US-PATENT-CLASS-244-194	c 60	N82-29013*	#
US-PATENT-CLASS-239-265 39	c 07	N79-14097*	#	US-PATENT-CLASS-244-121	c 27	N79-12221*	#	US-PATENT-CLASS-244-195	c 08	N79-23097*	#
US-PATENT-CLASS-239-265 43	c 28	N71-16224*	#	US-PATENT-CLASS-244-121	c 24	N79-25142*	#	US-PATENT-CLASS-244-195	c 08	N81-24106*	#
US-PATENT-CLASS-239-265 43	c 28	N72-11708*	#	US-PATENT-CLASS-244-121	c 15	N79-26100*	#	US-PATENT-CLASS-244-1	c 31	N69-27499*	#
US-PATENT-CLASS-239-288	c 37	N79-22474*	#	US-PATENT-CLASS-244-121	c 27	N82-24339*	#	US-PATENT-CLASS-244-1	c 03	N70-33343*	#
US-PATENT-CLASS-239-302	c 37	N80-10494*	#	US-PATENT-CLASS-244-121	c 27	N82-29456*	#	US-PATENT-CLASS-244-1	c 33	N70-33344*	#
US-PATENT-CLASS-239-416	c 15	N69-23185*	#	US-PATENT-CLASS-244-122	c 05	N71-20718*	#	US-PATENT-CLASS-244-1	c 03	N70-34157*	#
US-PATENT-CLASS-239-416	c 15	N71-17654*	#	US-PATENT-CLASS-244-123	c 24	N77-28225*	#	US-PATENT-CLASS-244-1	c 31	N70-34176*	#
US-PATENT-CLASS-239-418	c 28	N72-23809*	#	US-PATENT-CLASS-244-123	c 24	N82-24296*	#	US-PATENT-CLASS-244-1	c 21	N70-34295*	#
US-PATENT-CLASS-239-424	c 15	N72-25455*	#	US-PATENT-CLASS-244-123	c 24	N82-26384*	#	US-PATENT-CLASS-244-1	c 31	N70-34296*	#
US-PATENT-CLASS-239-433	c 28	N72-23809*	#	US-PATENT-CLASS-244-127	c 34	N74-23039*	#	US-PATENT-CLASS-244-1	c 21	N70-35395*	#
US-PATENT-CLASS-239-499	c 34	N82-13376*	#	US-PATENT-CLASS-244-12	c 02	N70-33332*	#	US-PATENT-CLASS-244-1	c 31	N70-36410*	#
US-PATENT-CLASS-239-543	c 28	N72-23809*	#	US-PATENT-CLASS-244-130	c 02	N77-10001*	#	US-PATENT-CLASS-244-1	c 33	N70-36617*	#
US-PATENT-CLASS-239-562	c 43	N81-26509*	#	US-PATENT-CLASS-244-130	c 02	N81-14958*	#	US-PATENT-CLASS-244-1	c 21	N70-36943*	#
US-PATENT-CLASS-239-589	c 34	N82-13376*	#	US-PATENT-CLASS-244-130	c 37	N81-24443*	#	US-PATENT-CLASS-244-1	c 31	N70-37924*	#
US-PATENT-CLASS-239-591	c 43	N81-26509*	#	US-PATENT-CLASS-244-132	c 24	N82-26384*	#	US-PATENT-CLASS-244-1	c 31	N70-37938*	#
US-PATENT-CLASS-239-601	c 34	N82-13376*	#	US-PATENT-CLASS-244-132	c 24	N82-32417*	#	US-PATENT-CLASS-244-1	c 31	N70-37986*	#
US-PATENT-CLASS-239-690	c 28	N82-18401*	#	US-PATENT-CLASS-244-135R	c 34	N76-17317*	#	US-PATENT-CLASS-244-1	c 31	N70-38676*	#
US-PATENT-CLASS-24-126	c 15	N71-22994*	#	US-PATENT-CLASS-244-135R	c 20	N80-10278*	#	US-PATENT-CLASS-244-1	c 30	N70-40016*	#
US-PATENT-CLASS-24-134R	c 15	N73-25512*	#	US-PATENT-CLASS-244-135	c 31	N70-42015*	#	US-PATENT-CLASS-244-1	c 31	N70-41373*	#
US-PATENT-CLASS-24-205 17	c 15	N71-25975*	#	US-PATENT-CLASS-244-135	c 15	N73-12486*	#	US-PATENT-CLASS-244-1	c 31	N70-41588*	#
US-PATENT-CLASS-24-211N	c 15	N72-11385*	#	US-PATENT-CLASS-244-135	c 14	N73-27378*	#	US-PATENT-CLASS-244-1	c 31	N70-41631*	#
US-PATENT-CLASS-24-211	c 15	N71-17653*	#	US-PATENT-CLASS-244-137P	c 31	N73-26876*	#	US-PATENT-CLASS-244-1	c 31	N70-41855*	#
US-PATENT-CLASS-24-263	c 15	N71-21076*	#	US-PATENT-CLASS-244-137P	c 37	N76-22540*	#	US-PATENT-CLASS-244-1	c 21	N70-41856*	#
US-PATENT-CLASS-24-263	c 15	N71-26162*	#	US-PATENT-CLASS-244-137R	c 08	N82-32373*	#	US-PATENT-CLASS-244-1	c 31	N70-42075*	#
US-PATENT-CLASS-24-201 12	c 11	N70-33329*	#	US-PATENT-CLASS-244-138	c 01	N69-39981*	#	US-PATENT-CLASS-244-1	c 03	N71-11058*	#
US-PATENT-CLASS-24-201 12	c 09	N71-26787*	#	US-PATENT-CLASS-244-138	c 02	N70-41630*	#	US-PATENT-CLASS-244-1	c 33	N71-14035*	#
US-PATENT-CLASS-24-201 14	c 09	N71-26787*	#	US-PATENT-CLASS-244-138	c 31	N71-16085*	#	US-PATENT-CLASS-244-1	c 21	N71-14132*	#
US-PATENT-CLASS-240-41 35R	c 74	N77-21941*	#	US-PATENT-CLASS-244-138	c 31	N71-25434*	#	US-PATENT-CLASS-244-1	c 21	N71-14159*	#
US-PATENT-CLASS-240-41B	c 36	N75-27364*	#	US-PATENT-CLASS-244-138	c 31	N78-28851*	#	US-PATENT-CLASS-244-1	c 21	N71-15683*	#
US-PATENT-CLASS-240-41R	c 74	N77-21941*	#	US-PATENT-CLASS-244-139	c 31	N73-13898*	#	US-PATENT-CLASS-244-1	c 31	N71-15663*	#
US-PATENT-CLASS-240-46 13	c 74	N77-21941*	#	US-PATENT-CLASS-244-139	c 02	N76-16014*	#	US-PATENT-CLASS-244-1	c 31	N71-15674*	#

US-PATENT-CLASS-244-1	c 31	N71-22968*	US-PATENT-CLASS-244-77B	c 04	N74-13420* #	US-PATENT-CLASS-250-203	c 21	N70-35089* #
US-PATENT-CLASS-244-1	c 31	N71-22969*	US-PATENT-CLASS-244-77D	c 02	N73-19004* #	US-PATENT-CLASS-250-203	c 14	N70-40239* #
US-PATENT-CLASS-244-1	c 31	N71-23009*	US-PATENT-CLASS-244-77F	c 02	N73-26004* #	US-PATENT-CLASS-250-203	c 21	N71-10678* #
US-PATENT-CLASS-244-1	c 14	N71-23040*	US-PATENT-CLASS-244-77G	c 02	N73-26004* #	US-PATENT-CLASS-250-203	c 21	N71-10771* #
US-PATENT-CLASS-244-1	c 31	N71-23912*	US-PATENT-CLASS-244-77	c 32	N71-23971*	US-PATENT-CLASS-250-203	c 21	N71-15642*
US-PATENT-CLASS-244-1	c 31	N71-24315*	US-PATENT-CLASS-244-78	c 08	N82-24205* #	US-PATENT-CLASS-250-203	c 14	N71-19568*
US-PATENT-CLASS-244-1	c 15	N71-24600*	US-PATENT-CLASS-244-79	c 04	N76-26175* #	US-PATENT-CLASS-250-203	c 14	N71-23269*
US-PATENT-CLASS-244-1	c 05	N71-24728*	US-PATENT-CLASS-244-82	c 05	N79-12061* #	US-PATENT-CLASS-250-203	c 14	N71-23797*
US-PATENT-CLASS-244-1	c 33	N71-25353*	US-PATENT-CLASS-244-83G	c 08	N79-23097* #	US-PATENT-CLASS-250-203	c 14	N72-22444* #
US-PATENT-CLASS-244-1	c 31	N71-25434*	US-PATENT-CLASS-244-83R	c 05	N75-12930* #	US-PATENT-CLASS-250-203	c 14	N73-30393* #
US-PATENT-CLASS-244-1	c 31	N71-26537*	US-PATENT-CLASS-244-83	c 21	N70-33279*	US-PATENT-CLASS-250-203	c 35	N75-23910* #
US-PATENT-CLASS-244-1	c 15	N71-26611*	US-PATENT-CLASS-244-83	c 15	N71-23255*	US-PATENT-CLASS-250-204	c 36	N74-21091* #
US-PATENT-CLASS-244-1	c 28	N71-27095*	US-PATENT-CLASS-244-83	c 31	N71-33160*	US-PATENT-CLASS-250-205	c 14	N72-27411* #
US-PATENT-CLASS-244-1	c 21	N71-27324*	US-PATENT-CLASS-244-83	c 08	N74-10942* #	US-PATENT-CLASS-250-205	c 09	N73-14214* #
US-PATENT-CLASS-244-1	c 33	N71-28903*	US-PATENT-CLASS-244-87	c 08	N81-19130* #	US-PATENT-CLASS-250-205	c 36	N74-13205* #
US-PATENT-CLASS-244-1	c 15	N71-28936*	US-PATENT-CLASS-244-90R	c 08	N74-30421* #	US-PATENT-CLASS-250-206	c 10	N71-20782*
US-PATENT-CLASS-244-1	c 31	N71-29050*	US-PATENT-CLASS-244-90R	c 05	N79-12061* #	US-PATENT-CLASS-250-207	c 14	N72-17328* #
US-PATENT-CLASS-244-1	c 31	N71-33160*	US-PATENT-CLASS-244-90R	c 08	N79-14108* #	US-PATENT-CLASS-250-207	c 14	N73-32317* #
US-PATENT-CLASS-244-213	c 08	N82-24205* #	US-PATENT-CLASS-244-90	c 02	N71-27088*	US-PATENT-CLASS-250-207	c 33	N74-27682* #
US-PATENT-CLASS-244-217	c 37	N82-16408* #	US-PATENT-CLASS-244-91	c 08	N74-30421* #	US-PATENT-CLASS-250-208	c 14	N72-20379* #
US-PATENT-CLASS-244-218	c 05	N78-32086* #	US-PATENT-CLASS-244-93	c 05	N82-26277* #	US-PATENT-CLASS-250-209	c 07	N69-39980* #
US-PATENT-CLASS-244-218	c 08	N79-14108* #	US-PATENT-CLASS-247-171	c 35	N75-23910* #	US-PATENT-CLASS-250-209	c 20	N71-16340* #
US-PATENT-CLASS-244-226	c 08	N82-24205* #	US-PATENT-CLASS-248-119	c 11	N70-35383*	US-PATENT-CLASS-250-209	c 10	N72-17173* #
US-PATENT-CLASS-244-23A	c 21	N72-25585*	US-PATENT-CLASS-248-14	c 15	N72-17454*	US-PATENT-CLASS-250-209	c 14	N72-25409* #
US-PATENT-CLASS-244-23C	c 05	N82-26277*	US-PATENT-CLASS-248-16	c 18	N74-27397*	US-PATENT-CLASS-250-209	c 14	N73-16483* #
US-PATENT-CLASS-244-23D	c 34	N76-18364*	US-PATENT-CLASS-248-178	c 15	N70-41310* #	US-PATENT-CLASS-250-209	c 14	N73-26432* #
US-PATENT-CLASS-244-23	c 02	N71-11039*	US-PATENT-CLASS-248-178	c 37	N78-27425* #	US-PATENT-CLASS-250-209	c 14	N73-28490* #
US-PATENT-CLASS-244-24	c 14	N81-26161*	US-PATENT-CLASS-248-183	c 14	N71-26627*	US-PATENT-CLASS-250-209	c 21	N73-30640* #
US-PATENT-CLASS-244-3 14	c 31	N71-17691*	US-PATENT-CLASS-248-183	c 15	N72-11386*	US-PATENT-CLASS-250-209	c 44	N81-24520* #
US-PATENT-CLASS-244-3 16	c 19	N74-15089*	US-PATENT-CLASS-248-188	c 37	N78-27425* #	US-PATENT-CLASS-250-211J	c 09	N72-17152* #
US-PATENT-CLASS-244-3 21	c 30	N72-17873*	US-PATENT-CLASS-248-188 4	c 15	N72-27484*	US-PATENT-CLASS-250-211J	c 09	N73-14214* #
US-PATENT-CLASS-244-3 21	c 15	N76-14158*	US-PATENT-CLASS-248-188 9	c 31	N70-34159*	US-PATENT-CLASS-250-211J	c 35	N74-15090* #
US-PATENT-CLASS-244-3 21	c 15	N77-10113*	US-PATENT-CLASS-248-18	c 14	N69-27486*	US-PATENT-CLASS-250-211K	c 74	N77-22951* #
US-PATENT-CLASS-244-3 21	c 35	N77-20399*	US-PATENT-CLASS-248-18	c 15	N72-11391*	US-PATENT-CLASS-250-211K	c 44	N80-18552* #
US-PATENT-CLASS-244-3 22	c 31	N71-17629*	US-PATENT-CLASS-248-20	c 15	N72-11391*	US-PATENT-CLASS-250-211R	c 36	N75-19652* #
US-PATENT-CLASS-244-3 22	c 28	N72-22769*	US-PATENT-CLASS-248-22	c 19	N76-22284*	US-PATENT-CLASS-250-211R	c 35	N75-23910* #
US-PATENT-CLASS-244-3 22	c 20	N76-21275*	US-PATENT-CLASS-248-23	c 18	N74-27397*	US-PATENT-CLASS-250-212	c 03	N71-23354*
US-PATENT-CLASS-244-31	c 02	N71-11037*	US-PATENT-CLASS-248-278	c 15	N72-11386*	US-PATENT-CLASS-250-212	c 03	N73-20040* #
US-PATENT-CLASS-244-31	c 31	N71-16081*	US-PATENT-CLASS-248-27	c 15	N71-20813*	US-PATENT-CLASS-250-212	c 09	N73-32109* #
US-PATENT-CLASS-244-31	c 34	N74-23039*	US-PATENT-CLASS-248-317	c 11	N69-27466*	US-PATENT-CLASS-250-213VT	c 74	N78-18905* #
US-PATENT-CLASS-244-327	c 08	N74-30421*	US-PATENT-CLASS-248-346	c 14	N70-39898*	US-PATENT-CLASS-250-214AL	c 74	N79-12890* #
US-PATENT-CLASS-244-32	c 02	N73-13008*	US-PATENT-CLASS-248-358R	c 37	N75-16573*	US-PATENT-CLASS-250-214A	c 33	N77-14335* #
US-PATENT-CLASS-244-34A	c 05	N82-26277*	US-PATENT-CLASS-248-358R	c 19	N76-22284*	US-PATENT-CLASS-250-214R	c 14	N73-28490* #
US-PATENT-CLASS-244-35R	c 02	N76-22154*	US-PATENT-CLASS-248-358	c 15	N70-40156*	US-PATENT-CLASS-250-214R	c 74	N79-12890* #
US-PATENT-CLASS-244-35	c 01	N71-13410*	US-PATENT-CLASS-248-358	c 23	N71-15673*	US-PATENT-CLASS-250-214	c 14	N73-25452* #
US-PATENT-CLASS-244-40R	c 02	N76-22154*	US-PATENT-CLASS-248-358	c 15	N71-24694*	US-PATENT-CLASS-250-214	c 14	N73-25462* #
US-PATENT-CLASS-244-42CG	c 33	N77-10429*	US-PATENT-CLASS-248-36-3	c 37	N78-17383*	US-PATENT-CLASS-250-214	c 35	N74-15090* #
US-PATENT-CLASS-244-42DA	c 05	N75-25914*	US-PATENT-CLASS-248-360	c 15	N71-17649*	US-PATENT-CLASS-250-214	c 33	N82-28545* #
US-PATENT-CLASS-244-42	c 02	N70-42016*	US-PATENT-CLASS-248-361	c 05	N71-26619*	US-PATENT-CLASS-250-215	c 14	N73-16483* #
US-PATENT-CLASS-244-42	c 02	N71-26110*	US-PATENT-CLASS-248-362	c 37	N76-21554*	US-PATENT-CLASS-250-216	c 74	N79-34011* #
US-PATENT-CLASS-244-43	c 02	N70-33255*	US-PATENT-CLASS-248-363	c 37	N76-21554*	US-PATENT-CLASS-250-216	c 74	N82-24072* #
US-PATENT-CLASS-244-43	c 02	N71-11043*	US-PATENT-CLASS-248-425	c 37	N82-21587*	US-PATENT-CLASS-250-217F	c 14	N73-16484* #
US-PATENT-CLASS-244-44	c 02	N71-11038*	US-PATENT-CLASS-248-487	c 15	N72-11386*	US-PATENT-CLASS-250-217R	c 14	N73-19419* #
US-PATENT-CLASS-244-45A	c 05	N78-32086*	US-PATENT-CLASS-248-48	c 25	N79-28253*	US-PATENT-CLASS-250-217SS	c 09	N73-14214* #
US-PATENT-CLASS-244-45	c 02	N71-12243*	US-PATENT-CLASS-249-144	c 31	N75-13111*	US-PATENT-CLASS-250-217SS	c 36	N74-15145* #
US-PATENT-CLASS-244-46	c 02	N70-33266*	US-PATENT-CLASS-249-145	c 31	N74-32920*	US-PATENT-CLASS-250-217	c 14	N69-39898* #
US-PATENT-CLASS-244-46	c 02	N70-33286*	US-PATENT-CLASS-249-184	c 31	N74-32920*	US-PATENT-CLASS-250-217	c 36	N74-13205* #
US-PATENT-CLASS-244-46	c 02	N70-34858*	US-PATENT-CLASS-249-59	c 31	N75-13111*	US-PATENT-CLASS-250-218	c 14	N71-22995* #
US-PATENT-CLASS-244-46	c 31	N70-38010*	US-PATENT-CLASS-249-83	c 31	N74-32920*	US-PATENT-CLASS-250-218	c 14	N71-28994* #
US-PATENT-CLASS-244-46	c 02	N70-38011*	US-PATENT-CLASS-249-95	c 31	N74-32920*	US-PATENT-CLASS-250-218	c 74	N78-33913* #
US-PATENT-CLASS-244-46	c 02	N71-11041*	US-PATENT-CLASS-250-156	c 15	N71-16076*	US-PATENT-CLASS-250-219DF	c 91	N74-13130* #
US-PATENT-CLASS-244-46	c 02	N73-26005*	US-PATENT-CLASS-250-105	c 14	N70-40240*	US-PATENT-CLASS-250-219TH	c 26	N73-26751* #
US-PATENT-CLASS-244-46	c 05	N76-29217*	US-PATENT-CLASS-250-105	c 14	N73-30389*	US-PATENT-CLASS-250-219	c 14	N71-28993* #
US-PATENT-CLASS-244-46	c 05	N78-32086*	US-PATENT-CLASS-250-199	c 16	N69-27491*	US-PATENT-CLASS-250-221	c 33	N82-28545* #
US-PATENT-CLASS-244-46	c 08	N79-14108*	US-PATENT-CLASS-250-199	c 07	N71-12388*	US-PATENT-CLASS-250-225	c 14	N71-24864* #
US-PATENT-CLASS-244-48	c 05	N79-12061*	US-PATENT-CLASS-250-199	c 16	N71-22895*	US-PATENT-CLASS-250-225	c 14	N72-27409* #
US-PATENT-CLASS-244-48	c 05	N82-29279*	US-PATENT-CLASS-250-199	c 16	N71-25914*	US-PATENT-CLASS-250-226	c 14	N72-25409* #
US-PATENT-CLASS-244-49	c 43	N81-17499*	US-PATENT-CLASS-250-199	c 16	N71-27183*	US-PATENT-CLASS-250-226	c 43	N79-17288* #
US-PATENT-CLASS-244-4	c 05	N69-21380*	US-PATENT-CLASS-250-199	c 16	N71-28963*	US-PATENT-CLASS-250-226	c 74	N82-30071* #
US-PATENT-CLASS-244-4	c 05	N71-12336*	US-PATENT-CLASS-250-199	c 16	N73-16536*	US-PATENT-CLASS-250-227	c 14	N71-22991* #
US-PATENT-CLASS-244-4	c 28	N71-27585*	US-PATENT-CLASS-250-199	c 07	N73-26118*	US-PATENT-CLASS-250-227	c 14	N71-23240* #
US-PATENT-CLASS-244-50	c 02	N70-34160*	US-PATENT-CLASS-250-199	c 74	N76-18913*	US-PATENT-CLASS-250-227	c 60	N77-14751* #
US-PATENT-CLASS-244-51	c 02	N70-34856*	US-PATENT-CLASS-250-199	c 74	N76-30053*	US-PATENT-CLASS-250-227	c 74	N78-33913* #
US-PATENT-CLASS-244-52	c 08	N81-19130*	US-PATENT-CLASS-250-199	c 74	N77-26942*	US-PATENT-CLASS-250-227	c 74	N83-19597* #
US-PATENT-CLASS-244-53A	c 07	N78-18066*	US-PATENT-CLASS-250-199	c 32	N77-28346*	US-PATENT-CLASS-250-229	c 08	N73-30135* #
US-PATENT-CLASS-244-53B	c 02	N74-20646*	US-PATENT-CLASS-250-199	c 60	N77-32731*	US-PATENT-CLASS-250-231R	c 74	N82-30071* #
US-PATENT-CLASS-244-53B	c 07	N75-24736*	US-PATENT-CLASS-250-199	c 74	N78-14889*	US-PATENT-CLASS-250-231SE	c 74	N74-21304* #
US-PATENT-CLASS-244-53B	c 07	N77-18154*	US-PATENT-CLASS-250-201	c 14	N70-40238*	US-PATENT-CLASS-250-231SE	c 44	N80-18552* #
US-PATENT-CLASS-244-53B	c 05	N79-24976*	US-PATENT-CLASS-250-201	c 35	N75-15014*	US-PATENT-CLASS-250-231	c 14	N73-20475* #
US-PATENT-CLASS-244-53B	c 85	N82-33288*	US-PATENT-CLASS-250-201	c 74	N78-17866*	US-PATENT-CLASS-250-232	c 23	N71-21821*
US-PATENT-CLASS-244-53	c 28	N71-15563*	US-PATENT-CLASS-250-203R	c 14	N72-27409*	US-PATENT-CLASS-250-233	c 23	N71-16100*
US-PATENT-CLASS-244-54	c 07	N78-18066*	US-PATENT-CLASS-250-203R	c 14	N73-25452*	US-PATENT-CLASS-250-234	c 03	N73-20404* #
US-PATENT-CLASS-244-54	c 07	N78-14096*	US-PATENT-CLASS-250-203R	c 14	N73-28490*	US-PATENT-CLASS-250-235	c 14	N72-11364* #
US-PATENT-CLASS-244-55	c 02	N73-26005*	US-PATENT-CLASS-250-203R	c 21	N73-30640*	US-PATENT-CLASS-250-235	c 43	N82-13465* #
US-PATENT-CLASS-244-55	c 05	N75-25914*	US-PATENT-CLASS-250-203R	c 19	N74-15089*	US-PATENT-CLASS-250-235	c 74	N82-24072* #
US-PATENT-CLASS-244-57	c 15	N71-26611*	US-PATENT-CLASS-250-203R	c 89	N74-30886*	US-PATENT-CLASS-250-236	c 21	N73-30640* #
US-PATENT-CLASS-244-63	c 09	N77-19076*	US-PATENT-CLASS-250-203R	c 35	N77-20401*	US-PATENT-CLASS-250-236	c 43	N82-13465* #
US-PATENT-CLASS-244-63	c 14	N81-26161*	US-PATENT-CLASS-250-203R	c 74	N77-22951*	US-PATENT-CLASS-250-237G	c 74	N79-20856* #
US-PATENT-CLASS								

US-PATENT-CLASS-250-251	c 35	N76-15431* #	US-PATENT-CLASS-250-373	c 45	N76-17656* #	US-PATENT-CLASS-250-551	c 74	N79-34011* #
US-PATENT-CLASS-250-253	c 43	N79-31706* #	US-PATENT-CLASS-250-374	c 35	N74-26949* #	US-PATENT-CLASS-250-563	c 38	N78-17396* #
US-PATENT-CLASS-250-272	c 74	N78-15880* #	US-PATENT-CLASS-250-385	c 35	N74-26949* #	US-PATENT-CLASS-250-566	c 74	N75-25706* #
US-PATENT-CLASS-250-272	c 43	N79-31706* #	US-PATENT-CLASS-250-385	c 35	N75-27331* #	US-PATENT-CLASS-250-571	c 36	N78-14380* #
US-PATENT-CLASS-250-277CH	c 76	N78-24950* #	US-PATENT-CLASS-250-385	c 35	N76-15433* #	US-PATENT-CLASS-250-572	c 38	N78-17395* #
US-PATENT-CLASS-250-277CH	c 74	N80-21140* #	US-PATENT-CLASS-250-385	c 35	N76-16393* #	US-PATENT-CLASS-250-572	c 38	N78-17396* #
US-PATENT-CLASS-250-280	c 76	N78-24950* #	US-PATENT-CLASS-250-385	c 35	N82-24471* #	US-PATENT-CLASS-250-573	c 74	N76-20958* #
US-PATENT-CLASS-250-280	c 74	N80-21140* #	US-PATENT-CLASS-250-386	c 35	N82-24471* #	US-PATENT-CLASS-250-574	c 45	N76-21742* #
US-PATENT-CLASS-250-281	c 35	N74-34857* #	US-PATENT-CLASS-250-389	c 35	N82-24471* #	US-PATENT-CLASS-250-574	c 36	N77-25501* #
US-PATENT-CLASS-250-281	c 35	N76-16393* #	US-PATENT-CLASS-250-394	c 14	N73-30392* #	US-PATENT-CLASS-250-576	c 35	N74-27660* #
US-PATENT-CLASS-250-281	c 36	N77-26477* #	US-PATENT-CLASS-250-394	c 19	N74-29410* #	US-PATENT-CLASS-250-578	c 36	N75-19652* #
US-PATENT-CLASS-250-281	c 72	N80-14877* #	US-PATENT-CLASS-250-396	c 35	N77-14408* #	US-PATENT-CLASS-250-65F	c 15	N72-25452* #
US-PATENT-CLASS-250-282	c 36	N77-26477* #	US-PATENT-CLASS-250-398	c 35	N78-10429* #	US-PATENT-CLASS-250-65R	c 14	N73-30389* #
US-PATENT-CLASS-250-282	c 72	N80-14877* #	US-PATENT-CLASS-250-400	c 25	N76-29379* #	US-PATENT-CLASS-250-715R	c 14	N72-29464* #
US-PATENT-CLASS-250-283	c 36	N77-26477* #	US-PATENT-CLASS-250-400	c 25	N79-27226* #	US-PATENT-CLASS-250-715	c 14	N72-17328* #
US-PATENT-CLASS-250-287	c 35	N76-15431* #	US-PATENT-CLASS-250-41 9D	c 14	N72-29464* #	US-PATENT-CLASS-250-71R	c 06	N73-16106* #
US-PATENT-CLASS-250-287	c 35	N76-16393* #	US-PATENT-CLASS-250-41 9G	c 14	N73-12444* #	US-PATENT-CLASS-250-71	c 14	N70-41676* #
US-PATENT-CLASS-250-288	c 35	N76-16393* #	US-PATENT-CLASS-250-41 9S	c 14	N73-12444* #	US-PATENT-CLASS-250-83 3H	c 14	N72-21408* #
US-PATENT-CLASS-250-288	c 35	N77-32456* #	US-PATENT-CLASS-250-41 95	c 14	N71-28992* #	US-PATENT-CLASS-250-83 3H	c 14	N72-24477* #
US-PATENT-CLASS-250-289	c 35	N77-14406* #	US-PATENT-CLASS-250-41 9	c 06	N71-13461* #	US-PATENT-CLASS-250-83 3H	c 14	N73-12445* #
US-PATENT-CLASS-250-290	c 25	N77-10492* #	US-PATENT-CLASS-250-41 9	c 24	N71-16095* #	US-PATENT-CLASS-250-83 3H	c 14	N73-20475* #
US-PATENT-CLASS-250-291	c 35	N77-10492* #	US-PATENT-CLASS-250-41 9	c 14	N71-23041* #	US-PATENT-CLASS-250-83 3H	c 14	N73-25462* #
US-PATENT-CLASS-250-295	c 35	N74-34857* #	US-PATENT-CLASS-250-41 9	c 14	N71-28863* #	US-PATENT-CLASS-250-83 3R	c 14	N73-12445* #
US-PATENT-CLASS-250-298	c 35	N77-14406* #	US-PATENT-CLASS-250-41 9	c 14	N72-17328* #	US-PATENT-CLASS-250-83 3R	c 14	N73-20477* #
US-PATENT-CLASS-250-304	c 25	N74-26947* #	US-PATENT-CLASS-250-41 9	c 14	N73-32325* #	US-PATENT-CLASS-250-83 3R	c 14	N73-32321* #
US-PATENT-CLASS-250-307	c 25	N80-20334* #	US-PATENT-CLASS-250-416TV	c 35	N78-15461* #	US-PATENT-CLASS-250-83 3UV	c 10	N72-17173* #
US-PATENT-CLASS-250-308	c 25	N80-20334* #	US-PATENT-CLASS-250-423P	c 36	N77-26477* #	US-PATENT-CLASS-250-83 3UV	c 14	N72-25409* #
US-PATENT-CLASS-250-310	c 35	N78-10429* #	US-PATENT-CLASS-250-423P	c 25	N78-25148* #	US-PATENT-CLASS-250-83 3UV	c 06	N73-16106* #
US-PATENT-CLASS-250-310	c 33	N80-14332* #	US-PATENT-CLASS-250-423P	c 72	N80-14877* #	US-PATENT-CLASS-250-83 3	c 21	N70-33181* #
US-PATENT-CLASS-250-311	c 33	N83-18986* #	US-PATENT-CLASS-250-423	c 35	N76-15431* #	US-PATENT-CLASS-250-83 3	c 21	N70-34297* #
US-PATENT-CLASS-250-320	c 74	N78-15880* #	US-PATENT-CLASS-250-423	c 35	N76-16393* #	US-PATENT-CLASS-250-83 3	c 14	N71-15599* #
US-PATENT-CLASS-250-322	c 35	N78-15461* #	US-PATENT-CLASS-250-427	c 72	N80-21763* #	US-PATENT-CLASS-250-83 3	c 14	N71-18699* #
US-PATENT-CLASS-250-330	c 44	N82-32841* #	US-PATENT-CLASS-250-429	c 25	N76-29379* #	US-PATENT-CLASS-250-83 3	c 14	N71-21088* #
US-PATENT-CLASS-250-332	c 35	N75-19613* #	US-PATENT-CLASS-250-429	c 25	N78-27226* #	US-PATENT-CLASS-250-83 3	c 09	N71-22985* #
US-PATENT-CLASS-250-332	c 31	N78-25256* #	US-PATENT-CLASS-250-43 5FC	c 14	N72-11365* #	US-PATENT-CLASS-250-83 3	c 14	N71-25901* #
US-PATENT-CLASS-250-332	c 35	N82-31659* #	US-PATENT-CLASS-250-43 5R	c 14	N71-27090* #	US-PATENT-CLASS-250-83 3	c 14	N71-26475* #
US-PATENT-CLASS-250-332	c 74	N83-19597* #	US-PATENT-CLASS-250-43 5R	c 14	N72-21408* #	US-PATENT-CLASS-250-83 3	c 14	N71-27323* #
US-PATENT-CLASS-250-335	c 34	N76-18374* #	US-PATENT-CLASS-250-43 5R	c 06	N72-25146* #	US-PATENT-CLASS-250-83 3	c 14	N72-17328* #
US-PATENT-CLASS-250-336	c 14	N77-28488* #	US-PATENT-CLASS-250-43 5R	c 06	N73-31141* #	US-PATENT-CLASS-250-83 3	c 35	N75-27329* #
US-PATENT-CLASS-250-336	c 35	N76-15433* #	US-PATENT-CLASS-250-43 5	c 27	N71-16348* #	US-PATENT-CLASS-250-83 6R	c 14	N71-27090* #
US-PATENT-CLASS-250-336	c 33	N76-27473* #	US-PATENT-CLASS-250-43 5	c 15	N71-24896* #	US-PATENT-CLASS-250-83 6R	c 14	N72-20381* #
US-PATENT-CLASS-250-336	c 35	N78-13400* #	US-PATENT-CLASS-250-43 5	c 14	N71-25901* #	US-PATENT-CLASS-250-83 6R	c 25	N72-33696* #
US-PATENT-CLASS-250-338	c 35	N74-18088* #	US-PATENT-CLASS-250-432R	c 25	N76-22323* #	US-PATENT-CLASS-250-83 6R	c 74	N81-19898* #
US-PATENT-CLASS-250-338	c 35	N77-10493* #	US-PATENT-CLASS-250-432	c 45	N75-27585* #	US-PATENT-CLASS-250-83 6	c 10	N70-41991* #
US-PATENT-CLASS-250-338	c 47	N77-10753* #	US-PATENT-CLASS-250-444	c 52	N77-14737* #	US-PATENT-CLASS-250-83CD	c 91	N74-13130* #
US-PATENT-CLASS-250-338	c 35	N80-26635* #	US-PATENT-CLASS-250-457	c 35	N80-28686* #	US-PATENT-CLASS-250-83R	c 14	N73-12445* #
US-PATENT-CLASS-250-338	c 35	N83-21311* #	US-PATENT-CLASS-250-460	c 37	N75-26372* #	US-PATENT-CLASS-250-83R	c 14	N73-20477* #
US-PATENT-CLASS-250-339	c 35	N77-10493* #	US-PATENT-CLASS-250-474 1	c 35	N83-21311* #	US-PATENT-CLASS-250-83	c 14	N69-27484* #
US-PATENT-CLASS-250-339	c 47	N77-10753* #	US-PATENT-CLASS-250-475	c 35	N79-10389* #	US-PATENT-CLASS-250-83	c 14	N69-39937* #
US-PATENT-CLASS-250-340	c 35	N76-29551* #	US-PATENT-CLASS-250-493	c 74	N79-20857* #	US-PATENT-CLASS-250-83	c 09	N71-18830* #
US-PATENT-CLASS-250-340	c 74	N83-19597* #	US-PATENT-CLASS-250-493	c 74	N81-24904* #	US-PATENT-CLASS-250-83	c 05	N71-19440* #
US-PATENT-CLASS-250-343	c 35	N74-11284* #	US-PATENT-CLASS-250-489	c 35	N76-15433* #	US-PATENT-CLASS-250-83	c 14	N71-20430* #
US-PATENT-CLASS-250-343	c 25	N74-26947* #	US-PATENT-CLASS-250-495B	c 24	N72-11595* #	US-PATENT-CLASS-250-83	c 14	N71-23401* #
US-PATENT-CLASS-250-343	c 45	N75-27585* #	US-PATENT-CLASS-250-495TE	c 24	N72-11595* #	US-PATENT-CLASS-250-83	c 09	N71-27232* #
US-PATENT-CLASS-250-343	c 74	N76-20958* #	US-PATENT-CLASS-250-495	c 14	N69-39982* #	US-PATENT-CLASS-250-84	c 14	N71-24809* #
US-PATENT-CLASS-250-343	c 25	N76-22323* #	US-PATENT-CLASS-250-495	c 14	N71-28863* #	US-PATENT-CLASS-251-118	c 15	N71-18580* #
US-PATENT-CLASS-250-343	c 35	N77-14411* #	US-PATENT-CLASS-250-495	c 14	N72-17328* #	US-PATENT-CLASS-251-11	c 15	N70-35407* #
US-PATENT-CLASS-250-343	c 35	N78-13400* #	US-PATENT-CLASS-250-491	c 35	N80-28686* #	US-PATENT-CLASS-251-120	c 37	N74-21065* #
US-PATENT-CLASS-250-344	c 25	N81-14015* #	US-PATENT-CLASS-250-492A	c 33	N80-14332* #	US-PATENT-CLASS-251-121	c 15	N71-18580* #
US-PATENT-CLASS-250-344	c 25	N76-22323* #	US-PATENT-CLASS-250-492B	c 25	N78-27226* #	US-PATENT-CLASS-251-122	c 15	N73-13462* #
US-PATENT-CLASS-250-344	c 74	N78-17867* #	US-PATENT-CLASS-250-492R	c 25	N76-29379* #	US-PATENT-CLASS-251-122	c 37	N74-21065* #
US-PATENT-CLASS-250-345	c 45	N75-27585* #	US-PATENT-CLASS-250-492R	c 28	N78-24365* #	US-PATENT-CLASS-251-127	c 12	N71-18615* #
US-PATENT-CLASS-250-347	c 35	N77-10493* #	US-PATENT-CLASS-250-492	c 35	N74-15091* #	US-PATENT-CLASS-251-129	c 15	N72-20442* #
US-PATENT-CLASS-250-347	c 47	N77-10753* #	US-PATENT-CLASS-250-492	c 37	N75-26372* #	US-PATENT-CLASS-251-138	c 37	N80-23654* #
US-PATENT-CLASS-250-347	c 74	N80-33210* #	US-PATENT-CLASS-250-493	c 73	N75-30876* #	US-PATENT-CLASS-251-148	c 15	N71-23024* #
US-PATENT-CLASS-250-350	c 25	N81-25159* #	US-PATENT-CLASS-250-495	c 74	N75-12732* #	US-PATENT-CLASS-251-148 6	c 37	N76-14463* #
US-PATENT-CLASS-250-350	c 74	N83-19597* #	US-PATENT-CLASS-250-496	c 73	N73-30876* #	US-PATENT-CLASS-251-149 9	c 37	N79-11402* #
US-PATENT-CLASS-250-351	c 35	N75-30502* #	US-PATENT-CLASS-250-498	c 52	N77-14737* #	US-PATENT-CLASS-251-172	c 15	N71-21234* #
US-PATENT-CLASS-250-351	c 35	N78-13400* #	US-PATENT-CLASS-250-499	c 73	N74-26767* #	US-PATENT-CLASS-251-172	c 37	N79-33469* #
US-PATENT-CLASS-250-351	c 74	N83-19597* #	US-PATENT-CLASS-250-499	c 72	N76-15860* #	US-PATENT-CLASS-251-173	c 15	N70-33376* #
US-PATENT-CLASS-250-352	c 31	N79-17029* #	US-PATENT-CLASS-250-499	c 37	N78-13436* #	US-PATENT-CLASS-251-210	c 37	N74-21065* #
US-PATENT-CLASS-250-352	c 34	N79-20336* #	US-PATENT-CLASS-250-500	c 72	N76-15860* #	US-PATENT-CLASS-251-216	c 37	N81-17433* #
US-PATENT-CLASS-250-352	c 35	N74-15091* #	US-PATENT-CLASS-250-505	c 74	N74-27866* #	US-PATENT-CLASS-251-31	c 15	N71-19485* #
US-PATENT-CLASS-250-352	c 74	N80-33210* #	US-PATENT-CLASS-250-505	c 35	N75-19616* #	US-PATENT-CLASS-251-331	c 15	N72-31483* #
US-PATENT-CLASS-250-353	c 35	N76-29551* #	US-PATENT-CLASS-250-508	c 35	N75-19616* #	US-PATENT-CLASS-251-333	c 15	N70-34859* #
US-PATENT-CLASS-250-353	c 35	N80-26635* #	US-PATENT-CLASS-250-515	c 23	N73-13662* #	US-PATENT-CLASS-251-333	c 12	N71-18615* #
US-PATENT-CLASS-250-353	c 74	N80-33210* #	US-PATENT-CLASS-250-515	c 14	N73-28491* #	US-PATENT-CLASS-251-333	c 15	N72-20442* #
US-PATENT-CLASS-250-359	c 37	N75-26372* #	US-PATENT-CLASS-250-510	c 35	N75-19616* #	US-PATENT-CLASS-251-333	c 37	N75-25185* #
US-PATENT-CLASS-250-360	c 35	N74-15091* #	US-PATENT-CLASS-250-511	c 74	N74-27866* #	US-PATENT-CLASS-251-339	c 37	N81-17433* #
US-PATENT-CLASS-250-361	c 35	N74-15091* #	US-PATENT-CLASS-250-513	c 35	N80-28686* #	US-PATENT-CLASS-251-342	c 12	N71-18615* #
US-PATENT-CLASS-250-363R	c 52	N77-14737* #	US-PATENT-CLASS-250-518	c 14	N73-30392* #	US-PATENT-CLASS-251-358	c 15	N71-17648* #
US-PATENT-CLASS-250-363R	c 74	N79-20857* #	US-PATENT-CLASS-250-51	c 24	N72-11595* #	US-PATENT-CLASS-251-360	c 15	N72-25451* #
US-PATENT-CLASS-250-368	c 74	N81-24900* #	US-PATENT-CLASS-250-527	c 37	N76-18458* #	US-PATENT-CLASS-252-161	c 12	N71-18615* #
US-PATENT-CLASS-250-369	c 35	N74-15091* #	US-PATENT-CLASS-250-527	c 25	N77-32255* #	US-PATENT-CLASS-252-161	c 15	N71-10778* #
US-PATENT-CLASS-250-370	c 35	N82-32659* #	US-PATENT-CLASS-250-527	c 44	N77-32580* #	US-PATENT-CLASS-251-7	c 37	N79-28550* #</

US-PATENT-CLASS-252-301 2	c 18	N71-27170*	US-PATENT-CLASS-260-2 5	c 06	N71-25929*	US-PATENT-CLASS-260-606-5P	c 27	N78-32256* #
US-PATENT-CLASS-252-301 4	c 06	N73-30097* #	US-PATENT-CLASS-260-2 5	c 18	N71-26155*	US-PATENT-CLASS-260-615	c 06	N71-27254*
US-PATENT-CLASS-252-305	c 06	N73-30097* #	US-PATENT-CLASS-260-2 5	c 06	N72-25150* #	US-PATENT-CLASS-260-615	c 06	N73-30101* #
US-PATENT-CLASS-252-359A	c 37	N77-13418* #	US-PATENT-CLASS-260-2P	c 27	N78-32256* #	US-PATENT-CLASS-260-63N	c 27	N78-31232* #
US-PATENT-CLASS-252-364	c 28	N81-15119* #	US-PATENT-CLASS-260-2R	c 37	N74-18126* #	US-PATENT-CLASS-260-63N	c 27	N78-32261* #
US-PATENT-CLASS-252-373	c 44	N76-29704* #	US-PATENT-CLASS-260-2R	c 27	N74-27037* #	US-PATENT-CLASS-260-63R	c 27	N78-32261* #
US-PATENT-CLASS-252-373	c 44	N77-10636* #	US-PATENT-CLASS-260-2R	c 27	N78-15276* #	US-PATENT-CLASS-260-65	c 06	N73-27980* #
US-PATENT-CLASS-252-408	c 14	N79-14428* #	US-PATENT-CLASS-260-211 5	c 06	N72-25149* #	US-PATENT-CLASS-260-65	c 27	N78-32261* #
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US-PATENT-CLASS-264-310	c 37	N76-31524* #	US-PATENT-CLASS-277-41	c 37	N76-22541* #	US-PATENT-CLASS-29-197	c 37	N75-13261* #
US-PATENT-CLASS-264-311	c 24	N81-29163* #	US-PATENT-CLASS-277-4	c 37	N76-22541* #	US-PATENT-CLASS-29-197	c 26	N75-19408* #
US-PATENT-CLASS-264-318	c 37	N76-31524* #	US-PATENT-CLASS-277-59	c 37	N82-24490* #	US-PATENT-CLASS-29-198	c 17	N70-33288* #
US-PATENT-CLASS-264-331	c 27	N76-16230* #	US-PATENT-CLASS-277-62	c 37	N79-22475* #	US-PATENT-CLASS-29-198	c 09	N72-25259* #
US-PATENT-CLASS-264-332	c 37	N81-25371* #	US-PATENT-CLASS-277-72R	c 37	N82-24490* #	US-PATENT-CLASS-29-203H	c 37	N74-32918* #
US-PATENT-CLASS-264-334	c 37	N76-31524* #	US-PATENT-CLASS-277-74	c 15	N72-29488* #	US-PATENT-CLASS-29-203MW	c 33	N74-26977* #
US-PATENT-CLASS-264-33	c 44	N79-24432* #	US-PATENT-CLASS-277-74	c 37	N76-22541* #	US-PATENT-CLASS-29-203V	c 15	N73-14468* #
US-PATENT-CLASS-264-342R	c 37	N82-24491* #	US-PATENT-CLASS-277-81R	c 37	N82-16408* #	US-PATENT-CLASS-29-23 5	c 37	N78-24544* #
US-PATENT-CLASS-264-345	c 71	N78-10837* #	US-PATENT-CLASS-277-91	c 37	N74-15125* #	US-PATENT-CLASS-29-234	c 15	N70-36901* #
US-PATENT-CLASS-264-34	c 44	N79-24432* #	US-PATENT-CLASS-277-93R	c 37	N76-22541* #	US-PATENT-CLASS-29-244	c 37	N78-24544* #
US-PATENT-CLASS-264-35	c 44	N79-24432* #	US-PATENT-CLASS-277-93R	c 37	N82-12442* #	US-PATENT-CLASS-29-25 14	c 05	N72-25121* #
US-PATENT-CLASS-264-36	c 15	N73-12489* #	US-PATENT-CLASS-277-96 1	c 37	N79-22475* #	US-PATENT-CLASS-29-25 14	c 35	N82-24471* #
US-PATENT-CLASS-264-3	c 32	N74-27612* #	US-PATENT-CLASS-277-96	c 37	N74-10474* #	US-PATENT-CLASS-29-25 18	c 09	N71-26678* #
US-PATENT-CLASS-264-40 4	c 28	N71-26779* #	US-PATENT-CLASS-277-96	c 37	N81-24442* #	US-PATENT-CLASS-29-25 18	c 05	N72-25121* #
US-PATENT-CLASS-264-40	c 35	N80-18357* #	US-PATENT-CLASS-279-1B	c 37	N75-33395* #	US-PATENT-CLASS-29-25 18	c 20	N75-18310* #
US-PATENT-CLASS-264-40	c 15	N73-12489* #	US-PATENT-CLASS-279-107	c 37	N75-33395* #	US-PATENT-CLASS-29-25 18	c 20	N76-21276* #
US-PATENT-CLASS-264-41	c 25	N81-19244* #	US-PATENT-CLASS-279-3	c 37	N78-17383* #	US-PATENT-CLASS-29-25 35	c 35	N80-20559* #
US-PATENT-CLASS-264-453	c 25	N82-21268* #	US-PATENT-CLASS-279-89	c 37	N75-33395* #	US-PATENT-CLASS-29-25 42	c 26	N72-28762* #
US-PATENT-CLASS-264-510	c 44	N79-24432* #	US-PATENT-CLASS-280-150SB	c 05	N75-25915* #	US-PATENT-CLASS-29-252	c 37	N78-24544* #
US-PATENT-CLASS-264-516	c 44	N79-24432* #	US-PATENT-CLASS-280-432	c 37	N77-14477* #	US-PATENT-CLASS-29-28A	c 37	N75-33395* #
US-PATENT-CLASS-264-53	c 25	N82-21268* #	US-PATENT-CLASS-280-805	c 37	N82-18601* #	US-PATENT-CLASS-29-287	c 60	N82-24839* #
US-PATENT-CLASS-264-5	c 31	N81-33319* #	US-PATENT-CLASS-285-DIG 21	c 15	N72-25450* #	US-PATENT-CLASS-29-268	c 37	N74-32918* #
US-PATENT-CLASS-264-5	c 27	N82-28442* #	US-PATENT-CLASS-285-DIG 21	c 33	N73-26958* #	US-PATENT-CLASS-29-271	c 15	N70-41371* #
US-PATENT-CLASS-264-60	c 27	N76-22376* #	US-PATENT-CLASS-285-114	c 37	N75-19686* #	US-PATENT-CLASS-29-278R	c 15	N71-29133*
US-PATENT-CLASS-264-60	c 27	N79-14213* #	US-PATENT-CLASS-285-159	c 37	N82-24494* #	US-PATENT-CLASS-29-400	c 05	N71-12345* #
US-PATENT-CLASS-264-63	c 27	N76-22376* #	US-PATENT-CLASS-285-18	c 15	N72-20445* #	US-PATENT-CLASS-29-412	c 15	N72-20444* #
US-PATENT-CLASS-264-65	c 18	N73-14584* #	US-PATENT-CLASS-285-192	c 20	N78-24275* #	US-PATENT-CLASS-29-419	c 24	N75-28135* #
US-PATENT-CLASS-264-66	c 27	N76-22376* #	US-PATENT-CLASS-285-226	c 37	N75-19686* #	US-PATENT-CLASS-29-420 5	c 26	N74-10521* #
US-PATENT-CLASS-264-70	c 44	N79-24432* #	US-PATENT-CLASS-285-226	c 37	N76-14460* #	US-PATENT-CLASS-29-420 5	c 37	N74-13179* #
US-PATENT-CLASS-264-71	c 44	N79-24432* #	US-PATENT-CLASS-285-235	c 54	N78-31735* #	US-PATENT-CLASS-29-420 5	c 37	N75-26371* #
US-PATENT-CLASS-264-90	c 24	N78-17150* #	US-PATENT-CLASS-285-235	c 54	N79-24651* #	US-PATENT-CLASS-29-420	c 24	N75-13032* #
US-PATENT-CLASS-264-92	c 15	N71-17803* #	US-PATENT-CLASS-285-24	c 15	N71-10782* #	US-PATENT-CLASS-29-421E	c 37	N79-13364* #
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US-PATENT-CLASS-266-119	c 26	N80-28492* #	US-PATENT-CLASS-285-314	c 15	N71-24903* #	US-PATENT-CLASS-29-421	c 37	N76-14461* #
US-PATENT-CLASS-266-19	c 15	N70-33320* #	US-PATENT-CLASS-285-316	c 15	N72-25450* #	US-PATENT-CLASS-29-423	c 15	N70-36409* #
US-PATENT-CLASS-266-249	c 26	N80-28492* #	US-PATENT-CLASS-285-316	c 33	N73-26958* #	US-PATENT-CLASS-29-423	c 31	N74-21059* #
US-PATENT-CLASS-266-24	c 17	N72-28535* #	US-PATENT-CLASS-285-317	c 15	N71-24903* #	US-PATENT-CLASS-29-426	c 15	N72-20444* #
US-PATENT-CLASS-266-274	c 26	N80-28492* #	US-PATENT-CLASS-285-326	c 37	N79-11402* #	US-PATENT-CLASS-29-428	c 15	N71-17686* #
US-PATENT-CLASS-267-166	c 34	N74-18552* #	US-PATENT-CLASS-285-331	c 15	N70-41629* #	US-PATENT-CLASS-29-432	c 37	N76-19437* #
US-PATENT-CLASS-267-1	c 15	N69-27504* #	US-PATENT-CLASS-285-33	c 15	N72-25450* #	US-PATENT-CLASS-29-433	c 37	N76-19437* #
US-PATENT-CLASS-267-1	c 15	N70-38225* #	US-PATENT-CLASS-285-345	c 15	N72-20445* #	US-PATENT-CLASS-29-447	c 37	N77-23482* #
US-PATENT-CLASS-267-64	c 15	N71-21530* #	US-PATENT-CLASS-285-359	c 37	N79-11402* #	US-PATENT-CLASS-29-452	c 15	N73-30457* #
US-PATENT-CLASS-269-153	c 44	N79-19447* #	US-PATENT-CLASS-285-37	c 37	N82-24490* #	US-PATENT-CLASS-29-458	c 26	N83-10170* #
US-PATENT-CLASS-269-156	c 37	N80-14398* #	US-PATENT-CLASS-285-38	c 15	N71-24903* #	US-PATENT-CLASS-29-460	c 37	N74-11301* #
US-PATENT-CLASS-269-21	c 37	N76-21554* #	US-PATENT-CLASS-285-3	c 15	N89-27490* #	US-PATENT-CLASS-29-460	c 37	N75-13261* #
US-PATENT-CLASS-269-21	c 37	N78-17383* #	US-PATENT-CLASS-285-3	c 15	N72-25450* #	US-PATENT-CLASS-29-463	c 07	N78-33101* #
US-PATENT-CLASS-269-21	c 37	N78-27423* #	US-PATENT-CLASS-285-401	c 37	N82-24494* #	US-PATENT-CLASS-29-467	c 39	N76-31562* #
US-PATENT-CLASS-269-21	c 78	N80-18951* #	US-PATENT-CLASS-285-406	c 15	N71-24903* #	US-PATENT-CLASS-29-470 1	c 37	N74-21057* #
US-PATENT-CLASS-269-21	c 37	N81-33482* #	US-PATENT-CLASS-285					

US-PATENT-CLASS-29-482	c 05	N72-25121* #	US-PATENT-CLASS-29-613	c 35	N82-24470* #	US-PATENT-CLASS-307-136	c 09	N69-27500* #
US-PATENT-CLASS-29-482	c 37	N74-18128* #	US-PATENT-CLASS-29-620	c 35	N82-31659* #	US-PATENT-CLASS-307-141	c 03	N72-25020* #
US-PATENT-CLASS-29-487	c 15	N73-33383* #	US-PATENT-CLASS-29-622	c 33	N77-26385* #	US-PATENT-CLASS-307-149	c 09	N71-13486* #
US-PATENT-CLASS-29-487	c 37	N74-21055* #	US-PATENT-CLASS-29-624	c 15	N72-20444* #	US-PATENT-CLASS-307-149	c 54	N75-12616* #
US-PATENT-CLASS-29-488	c 15	N70-33311* #	US-PATENT-CLASS-29-624	c 14	N73-13417* #	US-PATENT-CLASS-307-151	c 32	N78-24391* #
US-PATENT-CLASS-29-488	c 37	N74-18128* #	US-PATENT-CLASS-29-627	c 44	N80-14474* #	US-PATENT-CLASS-307-157	c 16	N73-32391* #
US-PATENT-CLASS-29-492	c 15	N71-20443* #	US-PATENT-CLASS-29-628	c 15	N72-22491* #	US-PATENT-CLASS-307-18	c 03	N73-31988* #
US-PATENT-CLASS-29-492	c 09	N72-25261* #	US-PATENT-CLASS-29-628	c 09	N72-25261* #	US-PATENT-CLASS-307-18	c 33	N74-34638* #
US-PATENT-CLASS-29-494	c 15	N73-33383* #	US-PATENT-CLASS-29-628	c 09	N73-28083* #	US-PATENT-CLASS-307-204	c 35	N75-30504* #
US-PATENT-CLASS-29-494	c 37	N74-21055* #	US-PATENT-CLASS-29-628	c 33	N77-26385* #	US-PATENT-CLASS-307-205	c 33	N75-14957* #
US-PATENT-CLASS-29-494	c 37	N75-13261* #	US-PATENT-CLASS-29-628	c 44	N78-25258* #	US-PATENT-CLASS-307-206	c 10	N72-22236* #
US-PATENT-CLASS-29-495	c 15	N71-21078* #	US-PATENT-CLASS-29-629	c 09	N73-28083* #	US-PATENT-CLASS-307-207	c 08	N71-29034* #
US-PATENT-CLASS-29-497 5	c 15	N73-28515* #	US-PATENT-CLASS-29-630A	c 05	N72-25121* #	US-PATENT-CLASS-307-207	c 09	N73-13209* #
US-PATENT-CLASS-29-497 5	c 15	N73-33383* #	US-PATENT-CLASS-29-630A	c 09	N73-28083* #	US-PATENT-CLASS-307-208	c 33	N75-14957* #
US-PATENT-CLASS-29-497.5	c 37	N74-11300* #	US-PATENT-CLASS-29-630E	c 33	N77-26385* #	US-PATENT-CLASS-307-211	c 35	N75-30504* #
US-PATENT-CLASS-29-497 5	c 37	N75-13261* #	US-PATENT-CLASS-29-630	c 09	N73-28083* #	US-PATENT-CLASS-307-215	c 10	N71-28860* #
US-PATENT-CLASS-29-497	c 09	N72-25261* #	US-PATENT-CLASS-29-739	c 44	N79-24431* #	US-PATENT-CLASS-307-215	c 09	N71-29139* #
US-PATENT-CLASS-29-497	c 15	N73-23258* #	US-PATENT-CLASS-29-764	c 60	N82-24839* #	US-PATENT-CLASS-307-215	c 10	N72-22236* #
US-PATENT-CLASS-29-497	c 37	N74-18128* #	US-PATENT-CLASS-29-809	c 44	N79-24431* #	US-PATENT-CLASS-307-215	c 09	N73-13209* #
US-PATENT-CLASS-29-498	c 09	N72-25261* #	US-PATENT-CLASS-29-81C	c 75	N76-27913* #	US-PATENT-CLASS-307-215	c 33	N74-22814* #
US-PATENT-CLASS-29-498	c 15	N73-33383* #	US-PATENT-CLASS-29-81D	c 37	N76-18454* #	US-PATENT-CLASS-307-216	c 08	N71-18751* #
US-PATENT-CLASS-29-498	c 37	N74-11301* #	US-PATENT-CLASS-29-832	c 44	N81-14389* #	US-PATENT-CLASS-307-219	c 35	N75-30504* #
US-PATENT-CLASS-29-498	c 37	N74-18128* #	US-PATENT-CLASS-290-40	c 03	N71-11057* #	US-PATENT-CLASS-307-219	c 60	N81-15706* #
US-PATENT-CLASS-29-498	c 37	N74-21055* #	US-PATENT-CLASS-290-52	c 37	N77-32500* #	US-PATENT-CLASS-307-220	c 10	N73-26229* #
US-PATENT-CLASS-29-502	c 09	N72-25261* #	US-PATENT-CLASS-290-52	c 37	N77-32501* #	US-PATENT-CLASS-307-221R	c 10	N73-20254* #
US-PATENT-CLASS-29-503	c 37	N74-11301* #	US-PATENT-CLASS-290-53	c 44	N80-29834* #	US-PATENT-CLASS-307-221R	c 33	N76-14373* #
US-PATENT-CLASS-29-504	c 37	N74-21055* #	US-PATENT-CLASS-282-DIG 14	c 37	N75-19685* #	US-PATENT-CLASS-307-222	c 09	N69-27463* #
US-PATENT-CLASS-29-504	c 37	N75-13261* #	US-PATENT-CLASS-292-108	c 37	N75-19685* #	US-PATENT-CLASS-307-222	c 08	N71-29034* #
US-PATENT-CLASS-29-517	c 15	N71-17650* #	US-PATENT-CLASS-292-110	c 37	N77-32499* #	US-PATENT-CLASS-307-223B	c 09	N72-22201* #
US-PATENT-CLASS-29-521	c 26	N83-10170* #	US-PATENT-CLASS-292-122	c 37	N75-19685* #	US-PATENT-CLASS-307-223	c 09	N72-17157* #
US-PATENT-CLASS-29-526	c 37	N76-19437* #	US-PATENT-CLASS-294-1R	c 35	N76-16392* #	US-PATENT-CLASS-307-225R	c 33	N74-10223* #
US-PATENT-CLASS-29-526	c 39	N76-31562* #	US-PATENT-CLASS-294-106	c 37	N81-14320* #	US-PATENT-CLASS-307-225R	c 33	N75-31300* #
US-PATENT-CLASS-29-527 2	c 15	N72-20444* #	US-PATENT-CLASS-294-113	c 37	N80-14398* #	US-PATENT-CLASS-307-225R	c 33	N77-24375* #
US-PATENT-CLASS-29-527 2	c 15	N73-32360* #	US-PATENT-CLASS-294-116	c 37	N75-33395* #	US-PATENT-CLASS-307-225R	c 60	N81-15706* #
US-PATENT-CLASS-29-527 2	c 37	N74-11301* #	US-PATENT-CLASS-294-116	c 37	N82-32731* #	US-PATENT-CLASS-307-227	c 09	N72-17157* #
US-PATENT-CLASS-29-527 2	c 24	N75-33181* #	US-PATENT-CLASS-294-15	c 15	N71-29133* #	US-PATENT-CLASS-307-227	c 33	N75-19522* #
US-PATENT-CLASS-29-527 2	c 24	N77-19171* #	US-PATENT-CLASS-294-19R	c 35	N76-16392* #	US-PATENT-CLASS-307-229	c 09	N71-12520* #
US-PATENT-CLASS-29-574	c 44	N79-24431* #	US-PATENT-CLASS-294-83	c 15	N71-24897* #	US-PATENT-CLASS-307-229	c 09	N72-23173* #
US-PATENT-CLASS-29-570	c 26	N72-28761* #	US-PATENT-CLASS-294-863	c 37	N75-33395* #	US-PATENT-CLASS-307-229	c 33	N75-18479* #
US-PATENT-CLASS-29-571	c 35	N75-13213* #	US-PATENT-CLASS-294-86R	c 37	N80-14398* #	US-PATENT-CLASS-307-229	c 33	N77-17354* #
US-PATENT-CLASS-29-571	c 33	N78-27326* #	US-PATENT-CLASS-294-86R	c 37	N81-27519* #	US-PATENT-CLASS-307-229	c 33	N78-32339* #
US-PATENT-CLASS-29-571	c 33	N81-26360* #	US-PATENT-CLASS-294-93	c 54	N81-26718* #	US-PATENT-CLASS-307-230	c 10	N72-16172* #
US-PATENT-CLASS-29-572	c 09	N71-23027*	US-PATENT-CLASS-296-1S	c 85	N82-33288* #	US-PATENT-CLASS-307-230	c 09	N72-21245* #
US-PATENT-CLASS-29-572	c 03	N71-24681*	US-PATENT-CLASS-296-24C	c 85	N82-33288* #	US-PATENT-CLASS-307-230	c 09	N73-20232* #
US-PATENT-CLASS-29-572	c 03	N72-22041* #	US-PATENT-CLASS-296-91	c 85	N82-33288* #	US-PATENT-CLASS-307-230	c 33	N74-32712* #
US-PATENT-CLASS-29-572	c 44	N74-14784* #	US-PATENT-CLASS-297-216	c 05	N70-35152* #	US-PATENT-CLASS-307-230	c 33	N77-17354* #
US-PATENT-CLASS-29-572	c 44	N76-14600* #	US-PATENT-CLASS-297-232	c 05	N72-11085* #	US-PATENT-CLASS-307-230	c 33	N78-32339* #
US-PATENT-CLASS-29-572	c 44	N76-28635* #	US-PATENT-CLASS-297-385	c 05	N71-12341* #	US-PATENT-CLASS-307-231	c 09	N72-22202* #
US-PATENT-CLASS-29-572	c 44	N77-10635* #	US-PATENT-CLASS-297-385	c 05	N75-25915* #	US-PATENT-CLASS-307-232	c 33	N77-21314* #
US-PATENT-CLASS-29-572	c 44	N78-24609* #	US-PATENT-CLASS-297-386	c 15	N73-30460* #	US-PATENT-CLASS-307-232	c 33	N79-11313* #
US-PATENT-CLASS-29-572	c 44	N78-25527* #	US-PATENT-CLASS-297-388	c 05	N75-25915* #	US-PATENT-CLASS-307-233R	c 32	N79-10262* #
US-PATENT-CLASS-29-572	c 44	N78-25528* #	US-PATENT-CLASS-297-389	c 05	N75-25915* #	US-PATENT-CLASS-307-233R	c 33	N81-17348* #
US-PATENT-CLASS-29-572	c 44	N78-25529* #	US-PATENT-CLASS-297-68	c 05	N71-12343* #	US-PATENT-CLASS-307-233	c 09	N72-25257* #
US-PATENT-CLASS-29-572	c 44	N79-11468* #	US-PATENT-CLASS-299-13	c 05	N72-11085* #	US-PATENT-CLASS-307-233	c 10	N73-26229* #
US-PATENT-CLASS-29-572	c 44	N79-11472* #	US-PATENT-CLASS-299-17	c 43	N81-26509* #	US-PATENT-CLASS-307-233	c 33	N77-13315* #
US-PATENT-CLASS-29-572	c 44	N79-17314* #	US-PATENT-CLASS-299-1	c 43	N81-26509* #	US-PATENT-CLASS-307-234	c 10	N71-23315* #
US-PATENT-CLASS-29-572	c 44	N79-18444* #	US-PATENT-CLASS-299-20	c 43	N79-26439* #	US-PATENT-CLASS-307-234	c 09	N71-27016* #
US-PATENT-CLASS-29-572	c 44	N79-24431* #	US-PATENT-CLASS-299-67	c 46	N74-23068* #	US-PATENT-CLASS-307-234	c 08	N71-29138* #
US-PATENT-CLASS-29-572	c 44	N79-26475* #	US-PATENT-CLASS-299-86	c 46	N74-23069* #	US-PATENT-CLASS-307-235	c 33	N75-18479* #
US-PATENT-CLASS-29-572	c 44	N80-14474* #	US-PATENT-CLASS-3-1-1	c 05	N73-32013* #	US-PATENT-CLASS-307-235	c 10	N71-19471* #
US-PATENT-CLASS-29-572	c 44	N82-28780* #	US-PATENT-CLASS-3-1-1	c 52	N77-14738* #	US-PATENT-CLASS-307-235	c 09	N71-23545* #
US-PATENT-CLASS-29-572	c 44	N82-29709* #	US-PATENT-CLASS-3-1-1	c 54	N79-24652* #	US-PATENT-CLASS-307-237	c 10	N71-24862* #
US-PATENT-CLASS-29-572	c 44	N83-13579* #	US-PATENT-CLASS-3-1-2	c 52	N77-14735* #	US-PATENT-CLASS-307-237	c 32	N74-19788* #
US-PATENT-CLASS-29-573	c 14	N73-13417* #	US-PATENT-CLASS-3-1-2	c 52	N78-10686* #	US-PATENT-CLASS-307-238	c 33	N75-31331* #
US-PATENT-CLASS-29-576J	c 35	N82-31659* #	US-PATENT-CLASS-3-1-9	c 27	N78-17215* #	US-PATENT-CLASS-307-238	c 33	N77-21314* #
US-PATENT-CLASS-29-576S	c 35	N82-31659* #	US-PATENT-CLASS-3-1-9	c 52	N79-26772* #	US-PATENT-CLASS-307-241	c 09	N72-22201* #
US-PATENT-CLASS-29-577	c 44	N79-26475* #	US-PATENT-CLASS-3-12-5	c 54	N78-17676* #	US-PATENT-CLASS-307-242	c 10	N73-13235* #
US-PATENT-CLASS-29-578	c 26	N72-17820* #	US-PATENT-CLASS-3-12-5	c 54	N79-24652* #	US-PATENT-CLASS-307-243	c 09	N71-12516* #
US-PATENT-CLASS-29-578	c 33	N78-27326* #	US-PATENT-CLASS-3-12	c 05	N73-32013* #	US-PATENT-CLASS-307-243	c 08	N72-22162* #
US-PATENT-CLASS-29-578	c 44	N79-18444* #	US-PATENT-CLASS-3-12	c 52	N79-26772* #	US-PATENT-CLASS-307-243	c 33	N74-22814* #
US-PATENT-CLASS-29-578	c 44	N79-26475* #	US-PATENT-CLASS-3-14	c 52	N77-14735* #	US-PATENT-CLASS-307-246	c 09	N71-27016* #
US-PATENT-CLASS-29-578	c 33	N81-26360* #	US-PATENT-CLASS-3-15	c 52	N78-10686* #	US-PATENT-CLASS-307-247	c 09	N71-29139* #
US-PATENT-CLASS-29-580	c 09	N73-27150* #	US-PATENT-CLASS-3-1	c 52	N77-25772* #	US-PATENT-CLASS-307-247	c 09	N72-22202* #
US-PATENT-CLASS-29-580	c 44	N79-26475* #	US-PATENT-CLASS-3-21	c 54	N77-30749* #	US-PATENT-CLASS-307-251	c 09	N71-33109* #
US-PATENT-CLASS-29-580	c 33	N81-26360* #	US-PATENT-CLASS-3-29	c 52	N78-10686* #	US-PATENT-CLASS-307-251	c 08	N72-22162* #
US-PATENT-CLASS-29-588	c 14	N71-27334* #	US-PATENT-CLASS-3-2	c 05	N73-32013* #	US-PATENT-CLASS-307-252F	c 09	N72-17153* #
US-PATENT-CLASS-29-588	c 14	N72-31446* #	US-PATENT-CLASS-3-2	c 54	N77-30749* #	US-PATENT-CLASS-307-252J	c 09	N72-17153* #
US-PATENT-CLASS-29-588	c 44	N74-14784* #	US-PATENT-CLASS-3-2	c 52	N79-26772* #	US-PATENT-CLASS-307-252J	c 09	N72-22201* #
US-PATENT-CLASS-29-588	c 44	N80-14474* #	US-PATENT-CLASS-3-6	c 05	N73-32013* #	US-PATENT-CLASS-307-252K	c 09	N72-22201* #
US-PATENT-CLASS-29-589	c 26	N72-17820* #	US-PATENT-CLASS-30-102	c 37	N82-26672* #	US-PATENT-CLASS-307-252L	c 33	N74-27682* #
US-PATENT-CLASS-29-589	c 09	N72-25261* #	US-PATENT-CLASS-30-228	c 15	N70-42017* #	US-PATENT-CLASS-307-252N	c 09	N72-23171* #
US-PATENT-CLASS-29-589	c 15	N73-14469* #	US-PATENT-CLASS-30-90 6	c 37	N79-10419* #	US-PATENT-CLASS-307-252Q	c 33	N74-27682* #
US-PATENT-CLASS-29-589	c 44	N79-31752* #	US-PATENT-CLASS-301-5P	c 37	N74-18125* #	US-PATENT-CLASS-307-252R	c 09	N72-23171* #
US-PATENT-CLASS-29-590	c 09	N72-22199* #	US-PATENT-CLASS-301-82	c 33	N79-10339* #	US-PATENT-CLASS-307-252UA	c 33	N81-27395* #
US-PATENT-CLASS-29-591	c 15	N73-14469* #	US-PATENT-CLASS-302-66	c 25	N79-11152* #	US-PATENT-CLASS-307-252	c 10	N69-39888* #
US-PATENT-CLASS-29-591	c 44	N79-18444* #	US-PATENT-CLASS-303-92	c 44	N79-14527* #	US-PATENT-CLASS-307-252	c 09	N71-12514* #
US-PATENT-CLASS-29-592	c 35	N75-13213* #						

US-PATENT-CLASS-307-260	c 33	N75-19515*	#	US-PATENT-CLASS-307-88 5	.. c 10	N71-28739*		US-PATENT-CLASS-310-154	.. c 44	N78-24608*	#
US-PATENT-CLASS-307-261	c 09	N71-33109*	#	US-PATENT-CLASS-307-88MP	.. c 09	N72-22197*	#	US-PATENT-CLASS-310-15	.. c 09	N72-25255*	#
US-PATENT-CLASS-307-261	c 09	N72-25251*	#	US-PATENT-CLASS-307-88	.. c 08	N70-34743*	#	US-PATENT-CLASS-310-168	.. c 09	N71-25999*	
US-PATENT-CLASS-307-262	c 10	N72-16172*	#	US-PATENT-CLASS-307-88	.. c 09	N70-38604*	#	US-PATENT-CLASS-310-168	.. c 33	N77-26387*	#
US-PATENT-CLASS-307-262	c 09	N72-22197*	#	US-PATENT-CLASS-307-88	.. c 09	N71-24803*		US-PATENT-CLASS-310-178	.. c 44	N78-24608*	#
US-PATENT-CLASS-307-262	c 09	N72-33204*	#	US-PATENT-CLASS-307-88	.. c 09	N71-26000*		US-PATENT-CLASS-310-20	.. c 71	N79-20827*	#
US-PATENT-CLASS-307-263	c 09	N71-23270*		US-PATENT-CLASS-307-92	.. c 09	N72-27227*	#	US-PATENT-CLASS-310-231	.. c 33	N79-20314*	#
US-PATENT-CLASS-307-263	c 09	N71-28926*		US-PATENT-CLASS-307-98	.. c 33	N79-28415*	#	US-PATENT-CLASS-310-254	.. c 09	N71-25999*	
US-PATENT-CLASS-307-265	c 09	N69-39987*	#	US-PATENT-CLASS-308-DIG 1	.. c 15	N72-17451*	#	US-PATENT-CLASS-310-269	.. c 44	N78-24608*	#
US-PATENT-CLASS-307-265	c 10	N71-23029*		US-PATENT-CLASS-308-DIG 1	.. c 37	N79-10418*	#	US-PATENT-CLASS-310-26	.. c 71	N79-20827*	#
US-PATENT-CLASS-307-265	c 09	N71-28468*		US-PATENT-CLASS-308-DIG 8	.. c 24	N79-17916*	#	US-PATENT-CLASS-310-2	.. c 03	N72-23048*	#
US-PATENT-CLASS-307-265	c 10	N71-28860*		US-PATENT-CLASS-308-DIG 9	.. c 24	N79-17916*	#	US-PATENT-CLASS-310-306	.. c 33	N80-18287*	#
US-PATENT-CLASS-307-265	c 08	N71-29138*		US-PATENT-CLASS-308-10	.. c 15	N71-22997*		US-PATENT-CLASS-310-30	.. c 44	N80-29834*	#
US-PATENT-CLASS-307-265	c 09	N71-29139*		US-PATENT-CLASS-308-10	.. c 15	N72-33476*	#	US-PATENT-CLASS-310-311	.. c 35	N80-20559*	#
US-PATENT-CLASS-307-265	c 33	N78-18308*	#	US-PATENT-CLASS-308-10	.. c 35	N74-18323*	#	US-PATENT-CLASS-310-319	.. c 33	N80-23559*	#
US-PATENT-CLASS-307-267	c 09	N71-20447*		US-PATENT-CLASS-308-10	.. c 37	N75-18574*	#	US-PATENT-CLASS-310-322	.. c 71	N79-20827*	#
US-PATENT-CLASS-307-267	c 33	N74-32711*	#	US-PATENT-CLASS-308-10	.. c 37	N76-18459*	#	US-PATENT-CLASS-310-326	.. c 38	N79-14398*	#
US-PATENT-CLASS-307-267	c 33	N75-18479*	#	US-PATENT-CLASS-308-10	.. c 37	N77-17464*	#	US-PATENT-CLASS-310-327	.. c 35	N80-20559*	#
US-PATENT-CLASS-307-268	c 09	N69-24317*	#	US-PATENT-CLASS-308-10	.. c 44	N78-24608*	#	US-PATENT-CLASS-310-334	.. c 71	N79-20827*	#
US-PATENT-CLASS-307-269	c 60	N81-15706*	#	US-PATENT-CLASS-308-10	.. c 37	N78-27424*	#	US-PATENT-CLASS-310-334	.. c 35	N80-20559*	#
US-PATENT-CLASS-307-270	c 33	N78-17294*	#	US-PATENT-CLASS-308-10	.. c 35	N79-26372*	#	US-PATENT-CLASS-310-336	.. c 38	N79-14398*	#
US-PATENT-CLASS-307-271	c 10	N73-32145*	#	US-PATENT-CLASS-308-10	.. c 71	N81-15767*	#	US-PATENT-CLASS-310-360	.. c 35	N80-20559*	#
US-PATENT-CLASS-307-273	c 10	N71-18723*		US-PATENT-CLASS-308-121	.. c 37	N74-32921*		US-PATENT-CLASS-310-4A	.. c 37	N77-19458*	#
US-PATENT-CLASS-307-273	c 09	N71-27016*		US-PATENT-CLASS-308-121	.. c 37	N75-30562*	#	US-PATENT-CLASS-310-4R	.. c 33	N74-27683*	#
US-PATENT-CLASS-307-273	c 09	N71-28468*		US-PATENT-CLASS-308-121	.. c 37	N79-10418*	#	US-PATENT-CLASS-310-4R	.. c 73	N77-18891*	#
US-PATENT-CLASS-307-273	c 10	N71-28860*		US-PATENT-CLASS-308-122	.. c 37	N76-15461*	#	US-PATENT-CLASS-310-40	.. c 20	N75-24837*	#
US-PATENT-CLASS-307-273	c 09	N71-29139*		US-PATENT-CLASS-308-160	.. c 37	N76-15461*	#	US-PATENT-CLASS-310-42	.. c 14	N72-22439*	#
US-PATENT-CLASS-307-273	c 10	N72-20221*	#	US-PATENT-CLASS-308-160	.. c 37	N76-29588*	#	US-PATENT-CLASS-310-46	.. c 33	N79-20314*	#
US-PATENT-CLASS-307-280	c 33	N77-21314*	#	US-PATENT-CLASS-308-160	.. c 37	N79-10418*	#	US-PATENT-CLASS-310-4	.. c 09	N69-21313*	#
US-PATENT-CLASS-307-284	c 09	N72-22201*		US-PATENT-CLASS-308-163	.. c 37	N76-29588*	#	US-PATENT-CLASS-310-4	.. c 03	N69-39989*	#
US-PATENT-CLASS-307-288	c 09	N71-23015*		US-PATENT-CLASS-308-163	.. c 37	N79-10418*	#	US-PATENT-CLASS-310-4	.. c 09	N69-39929*	#
US-PATENT-CLASS-307-288	c 09	N71-28468*		US-PATENT-CLASS-308-168	.. c 24	N79-17916*	#	US-PATENT-CLASS-310-4	.. c 03	N70-34134*	#
US-PATENT-CLASS-307-288	c 10	N72-20221*	#	US-PATENT-CLASS-308-170	.. c 15	N71-28465*	#	US-PATENT-CLASS-310-4	.. c 03	N71-11055*	#
US-PATENT-CLASS-307-288	c 09	N72-22202*	#	US-PATENT-CLASS-308-170	.. c 37	N76-29588*	#	US-PATENT-CLASS-310-4	.. c 22	N71-23599*	#
US-PATENT-CLASS-307-289	c 10	N71-19547*		US-PATENT-CLASS-308-171	.. c 24	N79-17916*	#	US-PATENT-CLASS-310-4	.. c 09	N71-24807*	#
US-PATENT-CLASS-307-289	c 03	N73-31988*	#	US-PATENT-CLASS-308-172	.. c 37	N79-10418*	#	US-PATENT-CLASS-310-4	.. c 33	N71-27862*	#
US-PATENT-CLASS-307-290	c 33	N74-22814*	#	US-PATENT-CLASS-308-174	.. c 54	N75-12616*	#	US-PATENT-CLASS-310-4	.. c 09	N71-28421*	#
US-PATENT-CLASS-307-291	c 60	N81-15706*	#	US-PATENT-CLASS-308-176	.. c 15	N71-22992*	#	US-PATENT-CLASS-310-4	.. c 09	N72-25260*	#
US-PATENT-CLASS-307-294	c 09	N71-29139*		US-PATENT-CLASS-308-177	.. c 15	N71-29136*		US-PATENT-CLASS-310-4	.. c 09	N72-27228*	#
US-PATENT-CLASS-307-295	c 10	N72-17171*	#	US-PATENT-CLASS-308-187	.. c 15	N71-26189*		US-PATENT-CLASS-310-4	.. c 20	N75-24837*	#
US-PATENT-CLASS-307-295	c 10	N72-20223*	#	US-PATENT-CLASS-308-188	.. c 15	N73-30458*	#	US-PATENT-CLASS-310-4	.. c 36	N75-30524*	#
US-PATENT-CLASS-307-295	c 09	N72-21245*	#	US-PATENT-CLASS-308-188	.. c 37	N74-21064*	#	US-PATENT-CLASS-310-4	.. c 44	N76-16612*	#
US-PATENT-CLASS-307-295	c 09	N72-33204*	#	US-PATENT-CLASS-308-191	.. c 37	N74-21064*	#	US-PATENT-CLASS-310-51	.. c 15	N71-27169*	#
US-PATENT-CLASS-307-295	c 33	N74-34638*	#	US-PATENT-CLASS-308-191	.. c 37	N75-31446*	#	US-PATENT-CLASS-310-52	.. c 20	N75-24837*	#
US-PATENT-CLASS-307-295	c 33	N77-13315*	#	US-PATENT-CLASS-308-193	.. c 15	N73-30458*	#	US-PATENT-CLASS-310-54	.. c 09	N71-20446*	#
US-PATENT-CLASS-307-296	c 08	N71-12494*		US-PATENT-CLASS-308-194	.. c 37	N79-11404*	#	US-PATENT-CLASS-310-5	.. c 03	N70-35408*	#
US-PATENT-CLASS-307-296	c 07	N71-28430*		US-PATENT-CLASS-308-195	.. c 15	N72-22490*		US-PATENT-CLASS-310-68	.. c 15	N72-25454*	#
US-PATENT-CLASS-307-297	c 33	N78-17294*	#	US-PATENT-CLASS-308-195	.. c 37	N75-31446*	#	US-PATENT-CLASS-310-82	.. c 35	N76-15432*	#
US-PATENT-CLASS-307-299	c 08	N72-21198*		US-PATENT-CLASS-308-195	.. c 37	N77-32500*	#	US-PATENT-CLASS-310-85	.. c 14	N71-22993*	#
US-PATENT-CLASS-307-299	c 26	N72-21701*		US-PATENT-CLASS-308-195	.. c 37	N77-32501*	#	US-PATENT-CLASS-310-80	.. c 15	N72-25456*	#
US-PATENT-CLASS-307-299	c 03	N73-31988*	#	US-PATENT-CLASS-308-1	.. c 31	N71-26537*		US-PATENT-CLASS-310-82	.. c 33	N79-20314*	#
US-PATENT-CLASS-307-300	c 10	N71-27126*	#	US-PATENT-CLASS-308-2A	.. c 15	N72-26371*	#	US-PATENT-CLASS-310-83	.. c 15	N72-25456*	#
US-PATENT-CLASS-307-303	c 08	N72-21198*	#	US-PATENT-CLASS-308-2A	.. c 15	N73-12488*	#	US-PATENT-CLASS-310-91	.. c 15	N71-21311*	#
US-PATENT-CLASS-307-304	c 09	N72-22201*		US-PATENT-CLASS-308-201	.. c 37	N75-31446*	#	US-PATENT-CLASS-310-93	.. c 15	N71-17652*	#
US-PATENT-CLASS-307-304	c 09	N73-20232*		US-PATENT-CLASS-308-202	.. c 15	N71-23812*		US-PATENT-CLASS-310-93	.. c 35	N75-23930*	#
US-PATENT-CLASS-307-304	c 33	N74-34638*	#	US-PATENT-CLASS-308-35	.. c 15	N73-32359*	#	US-PATENT-CLASS-312-1	.. c 05	N71-23080*	#
US-PATENT-CLASS-307-305	c 09	N72-23171*		US-PATENT-CLASS-308-5R	.. c 37	N77-28486*	#	US-PATENT-CLASS-312-1	.. c 05	N73-20137*	#
US-PATENT-CLASS-307-306	c 33	N78-13320*		US-PATENT-CLASS-308-5R	.. c 37	N79-10418*	#	US-PATENT-CLASS-312-1	.. c 37	N74-20063*	#
US-PATENT-CLASS-307-306	c 33	N81-17348*		US-PATENT-CLASS-308-5	.. c 15	N71-10617*	#	US-PATENT-CLASS-312-209	.. c 37	N74-18123*	#
US-PATENT-CLASS-307-308	c 14	N73-28488*		US-PATENT-CLASS-308-5	.. c 15	N72-11388*		US-PATENT-CLASS-312-257	.. c 31	N72-22874*	#
US-PATENT-CLASS-307-309	c 35	N75-13213*		US-PATENT-CLASS-308-5	.. c 15	N72-17451*	#	US-PATENT-CLASS-312-296	.. c 09	N71-18600*	#
US-PATENT-CLASS-307-310	c 09	N73-14214*		US-PATENT-CLASS-308-72	.. c 37	N76-15461*	#	US-PATENT-CLASS-312-319	.. c 37	N79-33467*	#
US-PATENT-CLASS-307-311	c 14	N72-18411*		US-PATENT-CLASS-308-72	.. c 37	N77-32500*	#	US-PATENT-CLASS-313-DIG 8	.. c 28	N73-24783*	#
US-PATENT-CLASS-307-311	c 08	N72-21198*		US-PATENT-CLASS-308-72	.. c 37	N79-17916*	#	US-PATENT-CLASS-313-104	.. c 14	N73-32317*	#
US-PATENT-CLASS-307-311	c 09	N73-14214*		US-PATENT-CLASS-308-73	.. c 37	N74-21061*	#	US-PATENT-CLASS-313-106	.. c 24	N83-10117*	#
US-PATENT-CLASS-307-313	c 10	N72-20221*		US-PATENT-CLASS-308-73	.. c 37	N75-30562*	#	US-PATENT-CLASS-313-107	.. c 24	N83-10117*	#
US-PATENT-CLASS-307-317	c 09	N72-22201*		US-PATENT-CLASS-308-73	.. c 37	N76-15461*	#	US-PATENT-CLASS-313-109 5	.. c 09	N71-33519*	#
US-PATENT-CLASS-307-317	c 09	N75-19520*		US-PATENT-CLASS-308-78	.. c 24	N78-17916*	#	US-PATENT-CLASS-313-115	.. c 28	N70-39925*	#
US-PATENT-CLASS-307-321	c 33	N75-25041*		US-PATENT-CLASS-308-87R	.. c 24	N79-17916*	#	US-PATENT-CLASS-313-110	.. c 09	N71-12521*	#
US-PATENT-CLASS-307-322	c 10	N72-22236*		US-PATENT-CLASS-308-9	.. c 15	N70-34664*	#	US-PATENT-CLASS-313-146	.. c 33	N77-22386*	#
US-PATENT-CLASS-307-323	c 10	N72-22236*		US-PATENT-CLASS-308-9	.. c 15	N70-38620*	#	US-PATENT-CLASS-313-153	.. c 33	N74-12913*	#
US-PATENT-CLASS-307-350	c 33	N78-18308*		US-PATENT-CLASS-308-9	.. c 15	N70-38986*	#	US-PATENT-CLASS-313-156	.. c 25	N70-34661*	#
US-PATENT-CLASS-307-352	c 33	N81-27396*		US-PATENT-CLASS-308-9	.. c 15	N71-20739*		US-PATENT-CLASS-313-161	.. c 25	N73-25760*	#
US-PATENT-CLASS-307-353	c 33	N81-27396*		US-PATENT-CLASS-308-9	.. c 14	N71-26627*		US-PATENT-CLASS-313-161	.. c 09	N73-30181*	#
US-PATENT-CLASS-307-353	c 33	N74-34638*		US-PATENT-CLASS-308-9	.. c 15	N72-17451*	#	US-PATENT-CLASS-313-161	.. c 33	N77-21315*	#
US-PATENT-CLASS-307-353	c 33	N78-18308*		US-PATENT-CLASS-308-9	.. c 15	N73-32359*	#	US-PATENT-CLASS-313-175	.. c 33	N77-21316*	#
US-PATENT-CLASS-307-360	c 33	N78-13198*		US-PATENT-CLASS-308-9	.. c 37	N76-15461*	#	US-PATENT-CLASS-313-175	.. c 31	N78-17238*	#
US-PATENT-CLASS-307-360	c 03	N73-31988*		US-PATENT-CLASS-308-9	.. c 37	N77-28486*	#	US-PATENT-CLASS-313-176	.. c 31	N78-17238*	#
US-PATENT-CLASS-307-364	c 33	N82-24418*		US-PATENT-CLASS-308-9	.. c 37	N77-28486*	#	US-PATENT-CLASS-313-176	.. c 31		

US-PATENT-CLASS-313-22	c 31	N78-17237* #	US-PATENT-CLASS-315-160	c 09	N71-12540* #	US-PATENT-CLASS-317-234V	c 09	N73-15235* #
US-PATENT-CLASS-313-22	c 31	N78-25256* #	US-PATENT-CLASS-315-169R	c 23	N73-13660* #	US-PATENT-CLASS-317-234	c 14	N69-23191* #
US-PATENT-CLASS-313-22	c 34	N79-20336* #	US-PATENT-CLASS-315-169R	c 36	N75-19652* #	US-PATENT-CLASS-317-234	c 09	N69-27422* #
US-PATENT-CLASS-313-230	c 28	N71-28850* #	US-PATENT-CLASS-315-169TV	c 23	N73-13660* #	US-PATENT-CLASS-317-234	c 26	N71-18064* #
US-PATENT-CLASS-313-230	c 28	N73-27699* #	US-PATENT-CLASS-315-176	c 33	N77-28385* #	US-PATENT-CLASS-317-235AG	c 09	N73-15235* #
US-PATENT-CLASS-313-230	c 20	N77-20162* #	US-PATENT-CLASS-315-18	c 32	N74-20813* #	US-PATENT-CLASS-317-235AJ	c 26	N72-25679* #
US-PATENT-CLASS-313-231 3	c 20	N77-20162* #	US-PATENT-CLASS-315-18	c 33	N75-19517* #	US-PATENT-CLASS-317-235AJ	c 09	N72-33205* #
US-PATENT-CLASS-313-231 3	c 75	N78-27913* #	US-PATENT-CLASS-315-209CD	c 37	N79-11405* #	US-PATENT-CLASS-317-235AM	c 09	N73-19235* #
US-PATENT-CLASS-313-231 4	c 20	N77-10148* #	US-PATENT-CLASS-315-209SC	c 37	N79-11405* #	US-PATENT-CLASS-317-235A	c 26	N72-25679* #
US-PATENT-CLASS-313-231 4	c 72	N80-33186* #	US-PATENT-CLASS-315-211	c 33	N74-20850* #	US-PATENT-CLASS-317-235A	c 09	N72-33205* #
US-PATENT-CLASS-313-231	c 06	N69-39889* #	US-PATENT-CLASS-315-22R	c 10	N72-31273* #	US-PATENT-CLASS-317-235H	c 35	N75-13213* #
US-PATENT-CLASS-313-231	c 09	N71-23190* #	US-PATENT-CLASS-315-22B	c 33	N74-20859* #	US-PATENT-CLASS-317-235H	c 09	N73-15235* #
US-PATENT-CLASS-313-231	c 09	N71-33519* #	US-PATENT-CLASS-315-22	c 10	N72-20225* #	US-PATENT-CLASS-317-235M	c 14	N72-31446* #
US-PATENT-CLASS-313-231	c 25	N72-24753* #	US-PATENT-CLASS-315-22	c 32	N74-20813* #	US-PATENT-CLASS-317-235N	c 09	N73-19235* #
US-PATENT-CLASS-313-231	c 25	N72-32688* #	US-PATENT-CLASS-315-22	c 33	N78-17293* #	US-PATENT-CLASS-317-235N	c 35	N74-15090* #
US-PATENT-CLASS-313-231	c 28	N73-24783* #	US-PATENT-CLASS-315-241R	c 37	N79-11405* #	US-PATENT-CLASS-317-235R	c 26	N72-21701* #
US-PATENT-CLASS-313-231	c 25	N73-25760* #	US-PATENT-CLASS-315-241	c 09	N71-13518* #	US-PATENT-CLASS-317-235R	c 26	N72-25679* #
US-PATENT-CLASS-313-236	c 09	N71-26182* #	US-PATENT-CLASS-315-248	c 09	N73-30181* #	US-PATENT-CLASS-317-235R	c 14	N73-31446* #
US-PATENT-CLASS-313-237	c 09	N71-26182* #	US-PATENT-CLASS-315-24	c 08	N71-20571* #	US-PATENT-CLASS-317-235R	c 09	N73-19235* #
US-PATENT-CLASS-313-240	c 20	N77-10148* #	US-PATENT-CLASS-315-258	c 16	N73-32391* #	US-PATENT-CLASS-317-235R	c 09	N73-32112* #
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US-PATENT-CLASS-32-58	c 05	N73-27062*	#	US-PATENT-CLASS-323-22	c 09	N71-21449*	#	US-PATENT-CLASS-324-43R	c 35	N68-16390*	#
US-PATENT-CLASS-320-13	c 03	N71-29129*	#	US-PATENT-CLASS-323-22	c 09	N71-23161*	#	US-PATENT-CLASS-324-43	c 14	N69-27423*	#
US-PATENT-CLASS-320-13	c 44	N78-25531*	#	US-PATENT-CLASS-323-23	c 33	N77-10428*	#	US-PATENT-CLASS-324-43	c 09	N70-40123*	#
US-PATENT-CLASS-320-15	c 44	N78-14625*	#	US-PATENT-CLASS-323-38	c 09	N72-21243*	#	US-PATENT-CLASS-324-43	c 14	N71-15962*	#
US-PATENT-CLASS-320-15	c 44	N78-25531*	#	US-PATENT-CLASS-323-44F	c 33	N79-17133*	#	US-PATENT-CLASS-324-43	c 14	N71-26135*	#
US-PATENT-CLASS-320-17	c 03	N71-24605*	#	US-PATENT-CLASS-323-48	c 09	N71-27053*	#	US-PATENT-CLASS-324-43	c 14	N71-27325*	#
US-PATENT-CLASS-320-18	c 44	N78-14625*	#	US-PATENT-CLASS-323-48	c 09	N72-25262*	#	US-PATENT-CLASS-324-51	c 33	N80-26595*	#
US-PATENT-CLASS-320-21	c 44	N76-18643*	#	US-PATENT-CLASS-323-4	c 33	N78-17294*	#	US-PATENT-CLASS-324-51	c 33	N81-26359*	#
US-PATENT-CLASS-320-22	c 44	N76-18643*	#	US-PATENT-CLASS-323-56	c 10	N71-22961*	#	US-PATENT-CLASS-324-51	c 33	N82-24420*	#
US-PATENT-CLASS-320-23	c 03	N71-19438*	#	US-PATENT-CLASS-323-56	c 09	N71-24693*	#	US-PATENT-CLASS-324-52	c 14	N72-17325*	#
US-PATENT-CLASS-320-2	c 44	N77-14581*	#	US-PATENT-CLASS-323-56	c 09	N72-22196*	#	US-PATENT-CLASS-324-52	c 14	N73-28486*	#
US-PATENT-CLASS-320-32	c 44	N78-25531*	#	US-PATENT-CLASS-323-60	c 09	N71-27053*	#	US-PATENT-CLASS-324-52	c 33	N79-18193*	#
US-PATENT-CLASS-320-39	c 03	N71-24719*	#	US-PATENT-CLASS-323-82	c 09	N72-25262*	#	US-PATENT-CLASS-324-52	c 33	N82-24420*	#
US-PATENT-CLASS-320-39	c 44	N78-25531*	#	US-PATENT-CLASS-323-89C	c 09	N72-22196*	#	US-PATENT-CLASS-324-54	c 33	N75-18477*	#
US-PATENT-CLASS-320-40	c 44	N78-14625*	#	US-PATENT-CLASS-323-8	c 10	N71-10578*	#	US-PATENT-CLASS-324-57DE	c 33	N78-25319*	#
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US-PATENT-CLASS-320-53	c 33	N78-17296*	#	US-PATENT-CLASS-324-5R	c 16	N73-13489*	#	US-PATENT-CLASS-324-57PS	c 35	N75-21582*	#
US-PATENT-CLASS-320-6	c 44	N78-14625*	#	US-PATENT-CLASS-324-5	c 14	N71-20424*	#	US-PATENT-CLASS-324-57R	c 15	N72-21464*	#
US-PATENT-CLASS-320-9	c 44	N78-25531*	#	US-PATENT-CLASS-324-DIG 1	c 33	N75-19520*	#	US-PATENT-CLASS-324-57R	c 14	N73-30388*	#
US-PATENT-CLASS-321-15	c 09	N73-32109*	#	US-PATENT-CLASS-324-DIG 1	c 33	N75-25041*	#	US-PATENT-CLASS-324-57R	c 35	N74-18090*	#
US-PATENT-CLASS-321-10	c 09	N72-17154*	#	US-PATENT-CLASS-324-05	c 14	N71-26137*	#	US-PATENT-CLASS-324-57R	c 33	N79-10338*	#
US-PATENT-CLASS-321-11	c 09	N69-39884*	#	US-PATENT-CLASS-324-05	c 14	N71-26266*	#	US-PATENT-CLASS-324-57R	c 35	N79-14349*	#
US-PATENT-CLASS-321-11	c 09	N72-25252*	#	US-PATENT-CLASS-324-05	c 36	N79-14362*	#	US-PATENT-CLASS-324-57SS	c 33	N78-25319*	#
US-PATENT-CLASS-321-12	c 10	N73-26228*	#	US-PATENT-CLASS-324-102	c 09	N72-11225*	#	US-PATENT-CLASS-324-57	c 10	N71-16057*	#
US-PATENT-CLASS-321-12	c 10	N71-27366*	#	US-PATENT-CLASS-324-102	c 33	N74-17930*	#	US-PATENT-CLASS-324-57	c 09	N71-20569*	#
US-PATENT-CLASS-321-13	c 33	N77-14333*	#	US-PATENT-CLASS-324-102	c 33	N75-19521*	#	US-PATENT-CLASS-324-58 5A	c 33	N75-26245*	#
US-PATENT-CLASS-321-14	c 09	N72-22196*	#	US-PATENT-CLASS-324-102	c 33	N79-11315*	#	US-PATENT-CLASS-324-58 5B	c 43	N78-10529*	#
US-PATENT-CLASS-321-15	c 09	N72-22203*	#	US-PATENT-CLASS-324-102	c 33	N79-14305*	#	US-PATENT-CLASS-324-58 5C	c 33	N75-26245*	#
US-PATENT-CLASS-321-15	c 33	N75-19522*	#	US-PATENT-CLASS-324-103	c 10	N71-27338*	#	US-PATENT-CLASS-324-58 5	c 15	N71-17822*	#
US-PATENT-CLASS-321-18	c 09	N72-22203*	#	US-PATENT-CLASS-324-106	c 14	N70-38602*	#	US-PATENT-CLASS-324-58 5	c 25	N71-20563*	#
US-PATENT-CLASS-321-18	c 09	N72-25251*	#	US-PATENT-CLASS-324-106	c 08	N71-29138*	#	US-PATENT-CLASS-324-58 5	c 14	N71-26137*	#
US-PATENT-CLASS-321-18	c 09	N72-25252*									

US-PATENT-CLASS-324-64	c 15	N72-21464* #	US-PATENT-CLASS-325-30	c 32	N74-26654* #	US-PATENT-CLASS-325-65	c 32	N77-30308* #
US-PATENT-CLASS-324-64	c 33	N80-32650* #	US-PATENT-CLASS-325-30	c 32	N75-24981* #	US-PATENT-CLASS-325-66	c 17	N78-17140* #
US-PATENT-CLASS-324-65P	c 14	N73-20478* #	US-PATENT-CLASS-325-30	c 32	N77-30308* #	US-PATENT-CLASS-325-67	c 07	N71-26292* #
US-PATENT-CLASS-324-65R	c 15	N72-23497* #	US-PATENT-CLASS-325-31	c 07	N71-20791* #	US-PATENT-CLASS-325-67	c 10	N73-25241* #
US-PATENT-CLASS-324-65	c 14	N71-27186*	US-PATENT-CLASS-325-320	c 33	N74-12887* #	US-PATENT-CLASS-325-67	c 35	N75-21582* #
US-PATENT-CLASS-324-66	c 05	N72-16015* #	US-PATENT-CLASS-325-320	c 32	N74-20809* #	US-PATENT-CLASS-325-67	c 32	N79-11265* #
US-PATENT-CLASS-324-70	c 14	N70-41332* #	US-PATENT-CLASS-325-320	c 32	N74-20811* #	US-PATENT-CLASS-325-67	c 07	N73-20174* #
US-PATENT-CLASS-324-70	c 14	N71-22990*	US-PATENT-CLASS-325-320	c 33	N74-27705* #	US-PATENT-CLASS-325-8	c 07	N73-20174* #
US-PATENT-CLASS-324-70	c 10	N71-24863*	US-PATENT-CLASS-325-321	c 07	N72-20140* #	US-PATENT-CLASS-325-8	c 32	N80-20448* #
US-PATENT-CLASS-324-71CP	c 35	N76-22509* #	US-PATENT-CLASS-325-321	c 32	N74-20810* #	US-PATENT-CLASS-325-9	c 07	N73-20174* #
US-PATENT-CLASS-324-71CP	c 35	N82-11431* #	US-PATENT-CLASS-325-321	c 32	N76-16249* #	US-PATENT-CLASS-325-9	c 32	N80-20448* #
US-PATENT-CLASS-324-71R	c 09	N72-21246* #	US-PATENT-CLASS-325-323	c 32	N77-10392* #	US-PATENT-CLASS-328-104	c 08	N72-21162* #
US-PATENT-CLASS-324-71R	c 15	N72-21464* #	US-PATENT-CLASS-325-325	c 07	N71-24613*	US-PATENT-CLASS-328-104	c 10	N73-13235* #
US-PATENT-CLASS-324-71	c 09	N71-24843*	US-PATENT-CLASS-325-325	c 07	N72-25173* #	US-PATENT-CLASS-328-106	c 09	N72-22201* #
US-PATENT-CLASS-324-72.5	c 44	N74-27519* #	US-PATENT-CLASS-325-325	c 07	N73-13149* #	US-PATENT-CLASS-328-110	c 09	N71-12519* #
US-PATENT-CLASS-324-72	c 10	N71-19421*	US-PATENT-CLASS-325-346	c 10	N73-16205* #	US-PATENT-CLASS-328-111	c 60	N77-12721* #
US-PATENT-CLASS-324-72	c 14	N71-23699*	US-PATENT-CLASS-325-346	c 32	N74-30523* #	US-PATENT-CLASS-328-115	c 33	N75-18479* #
US-PATENT-CLASS-324-72	c 07	N73-20175* #	US-PATENT-CLASS-325-346	c 32	N77-24331* #	US-PATENT-CLASS-328-116	c 09	N69-39885* #
US-PATENT-CLASS-324-72	c 14	N73-32318* #	US-PATENT-CLASS-325-347	c 07	N71-33696*	US-PATENT-CLASS-328-120	c 09	N71-27016*
US-PATENT-CLASS-324-72	c 33	N74-27882* #	US-PATENT-CLASS-325-348	c 07	N71-33696*	US-PATENT-CLASS-328-123	c 60	N74-12888* #
US-PATENT-CLASS-324-72	c 33	N75-26248* #	US-PATENT-CLASS-325-349	c 32	N77-10392* #	US-PATENT-CLASS-328-129	c 14	N73-30388* #
US-PATENT-CLASS-324-72	c 33	N77-10429* #	US-PATENT-CLASS-325-363	c 07	N71-11267* #	US-PATENT-CLASS-328-133	c 09	N71-24596* #
US-PATENT-CLASS-324-72	c 33	N79-10337* #	US-PATENT-CLASS-325-363	c 14	N71-26774* #	US-PATENT-CLASS-328-133	c 10	N72-20224* #
US-PATENT-CLASS-324-72	c 33	N79-14305* #	US-PATENT-CLASS-325-363	c 14	N72-28437* #	US-PATENT-CLASS-328-133	c 33	N75-26243* #
US-PATENT-CLASS-324-72	c 47	N82-24779* #	US-PATENT-CLASS-325-363	c 10	N73-25241* #	US-PATENT-CLASS-328-133	c 33	N77-13135* #
US-PATENT-CLASS-324-73AT	c 08	N72-22168* #	US-PATENT-CLASS-325-363	c 35	N80-18359* #	US-PATENT-CLASS-328-133	c 33	N79-11313* #
US-PATENT-CLASS-324-73AT	c 33	N81-26359* #	US-PATENT-CLASS-325-369	c 07	N71-20705*	US-PATENT-CLASS-328-134	c 08	N71-18692* #
US-PATENT-CLASS-324-73R	c 33	N83-18996* #	US-PATENT-CLASS-325-372	c 32	N76-14321* #	US-PATENT-CLASS-328-134	c 14	N73-30388* #
US-PATENT-CLASS-324-73	c 14	N71-28991*	US-PATENT-CLASS-325-373	c 07	N72-33146* #	US-PATENT-CLASS-328-134	c 33	N76-16331* #
US-PATENT-CLASS-324-74	c 35	N78-28411* #	US-PATENT-CLASS-325-38B	c 35	N74-17885* #	US-PATENT-CLASS-328-134	c 33	N81-17349* #
US-PATENT-CLASS-324-77B	c 60	N75-13539* #	US-PATENT-CLASS-325-38	c 07	N72-20140* #	US-PATENT-CLASS-328-136	c 09	N72-25257* #
US-PATENT-CLASS-324-77B	c 32	N79-10262* #	US-PATENT-CLASS-325-38	c 07	N72-25173* #	US-PATENT-CLASS-328-140	c 09	N72-25257* #
US-PATENT-CLASS-324-77C	c 32	N79-10262* #	US-PATENT-CLASS-325-39	c 07	N71-11149*	US-PATENT-CLASS-328-142	c 09	N72-21245* #
US-PATENT-CLASS-324-77G	c 08	N72-20177* #	US-PATENT-CLASS-325-40	c 07	N73-26118* #	US-PATENT-CLASS-328-145	c 32	N76-14321* #
US-PATENT-CLASS-324-77H	c 35	N75-21582* #	US-PATENT-CLASS-325-419	c 10	N73-16205* #	US-PATENT-CLASS-328-145	c 09	N72-23173* #
US-PATENT-CLASS-324-77K	c 35	N79-10391* #	US-PATENT-CLASS-325-419	c 07	N73-28012* #	US-PATENT-CLASS-328-145	c 33	N78-32339* #
US-PATENT-CLASS-324-77R	c 10	N73-25240* #	US-PATENT-CLASS-325-419	c 32	N74-20810* #	US-PATENT-CLASS-328-150	c 33	N78-18308* #
US-PATENT-CLASS-324-77R	c 47	N82-24779* #	US-PATENT-CLASS-325-419	c 32	N74-20811* #	US-PATENT-CLASS-328-151	c 09	N72-22200* #
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US-PATENT-CLASS-324-77	c 07	N71-24622* #	US-PATENT-CLASS-325-41	c 10	N71-26577* #	US-PATENT-CLASS-328-151	c 33	N81-27396* #
US-PATENT-CLASS-324-78D	c 09	N72-25257* #	US-PATENT-CLASS-325-41	c 32	N77-12240* #	US-PATENT-CLASS-328-154	c 08	N72-212162* #
US-PATENT-CLASS-324-78D	c 52	N74-12778* #	US-PATENT-CLASS-325-41	c 32	N79-10263* #	US-PATENT-CLASS-328-154	c 10	N73-13235* #
US-PATENT-CLASS-324-78E	c 14	N73-24473* #	US-PATENT-CLASS-325-420	c 07	N73-30113* #	US-PATENT-CLASS-328-154	c 33	N74-22814* #
US-PATENT-CLASS-324-78J	c 10	N73-25240* #	US-PATENT-CLASS-325-422	c 07	N73-30113* #	US-PATENT-CLASS-328-155	c 10	N72-16172* #
US-PATENT-CLASS-324-78J	c 33	N75-19515* #	US-PATENT-CLASS-325-423	c 32	N74-20809* #	US-PATENT-CLASS-328-155	c 09	N72-33204* #
US-PATENT-CLASS-324-79D	c 14	N73-30386* #	US-PATENT-CLASS-325-424	c 07	N71-11266* #	US-PATENT-CLASS-328-155	c 33	N74-17927* #
US-PATENT-CLASS-324-79D	c 33	N76-16331* #	US-PATENT-CLASS-325-42	c 32	N76-21366* #	US-PATENT-CLASS-328-155	c 17	N76-22245* #
US-PATENT-CLASS-324-79R	c 14	N72-27408* #	US-PATENT-CLASS-325-42	c 32	N77-30308* #	US-PATENT-CLASS-328-160	c 32	N74-19788* #
US-PATENT-CLASS-324-83A	c 10	N72-20244* #	US-PATENT-CLASS-325-445	c 07	N72-20141* #	US-PATENT-CLASS-328-161	c 33	N77-17354* #
US-PATENT-CLASS-324-83D	c 33	N79-10398* #	US-PATENT-CLASS-325-446	c 09	N69-24324* #	US-PATENT-CLASS-328-163	c 33	N79-10338* #
US-PATENT-CLASS-324-83Q	c 35	N74-21017* #	US-PATENT-CLASS-325-445	c 07	N73-25160* #	US-PATENT-CLASS-328-164	c 07	N71-33696* #
US-PATENT-CLASS-324-83Q	c 33	N75-26243* #	US-PATENT-CLASS-325-473	c 07	N71-33696* #	US-PATENT-CLASS-328-165	c 09	N71-24806* #
US-PATENT-CLASS-324-85	c 10	N72-20244* #	US-PATENT-CLASS-325-473	c 10	N73-12244* #	US-PATENT-CLASS-328-165	c 07	N71-33696* #
US-PATENT-CLASS-324-85	c 33	N79-10338* #	US-PATENT-CLASS-325-473	c 32	N77-30308* #	US-PATENT-CLASS-328-166	c 10	N72-20223* #
US-PATENT-CLASS-324-92	c 26	N72-25680* #	US-PATENT-CLASS-325-476	c 32	N77-10392* #	US-PATENT-CLASS-328-166	c 33	N82-29539* #
US-PATENT-CLASS-324-95	c 10	N71-12554* #	US-PATENT-CLASS-325-478	c 07	N71-33696*	US-PATENT-CLASS-328-167	c 10	N71-22986* #
US-PATENT-CLASS-324-96	c 26	N72-25680* #	US-PATENT-CLASS-325-480	c 07	N71-33696*	US-PATENT-CLASS-328-167	c 08	N71-29034* #
US-PATENT-CLASS-324-96	c 33	N79-10337* #	US-PATENT-CLASS-325-482	c 07	N71-33696*	US-PATENT-CLASS-328-167	c 10	N72-17171* #
US-PATENT-CLASS-324-99D	c 33	N79-22373* #	US-PATENT-CLASS-325-492	c 09	N72-17153* #	US-PATENT-CLASS-328-167	c 09	N73-20231* #
US-PATENT-CLASS-325-10	c 07	N72-12081*	US-PATENT-CLASS-325-492	c 09	N72-22202* #	US-PATENT-CLASS-328-167	c 08	N73-26175* #
US-PATENT-CLASS-325-113	c 07	N71-24840*	US-PATENT-CLASS-325-4	c 07	N71-16088*	US-PATENT-CLASS-328-167	c 33	N82-24417* #
US-PATENT-CLASS-325-113	c 07	N73-25160* #	US-PATENT-CLASS-325-4	c 07	N71-19773*	US-PATENT-CLASS-328-168	c 32	N74-19788* #
US-PATENT-CLASS-325-113	c 52	N74-26625* #	US-PATENT-CLASS-325-4	c 07	N71-24621*	US-PATENT-CLASS-328-16	c 10	N72-20223* #
US-PATENT-CLASS-325-114	c 07	N72-25171* #	US-PATENT-CLASS-325-4	c 07	N72-11149*	US-PATENT-CLASS-328-171	c 10	N71-24844* #
US-PATENT-CLASS-325-114	c 03	N76-32140* #	US-PATENT-CLASS-325-4	c 07	N72-12080*	US-PATENT-CLASS-328-172	c 32	N74-19788* #
US-PATENT-CLASS-325-115	c 03	N76-32140* #	US-PATENT-CLASS-325-4	c 07	N72-20140* #	US-PATENT-CLASS-328-172	c 33	N78-17294* #
US-PATENT-CLASS-325-118	c 17	N78-17140* #	US-PATENT-CLASS-325-4	c 07	N72-25171* #	US-PATENT-CLASS-328-186	c 09	N72-17157* #
US-PATENT-CLASS-325-12	c 07	N73-20174* #	US-PATENT-CLASS-325-4	c 07	N73-20174* #	US-PATENT-CLASS-328-187	c 10	N73-20254* #
US-PATENT-CLASS-325-139	c 07	N73-25160* #	US-PATENT-CLASS-325-4	c 15	N75-13007*	US-PATENT-CLASS-328-189	c 14	N72-27408* #
US-PATENT-CLASS-325-13	c 07	N72-12081*	US-PATENT-CLASS-325-4	c 32	N75-26195*	US-PATENT-CLASS-328-190	c 33	N76-14371* #
US-PATENT-CLASS-325-141	c 07	N72-25173* #	US-PATENT-CLASS-325-4	c 32	N77-20289*	US-PATENT-CLASS-328-192	c 60	N81-15706* #
US-PATENT-CLASS-325-141	c 52	N74-26625* #	US-PATENT-CLASS-325-4	c 32	N79-11265*	US-PATENT-CLASS-328-1	c 23	N71-16099*
US-PATENT-CLASS-325-143	c 05	N71-12342* #	US-PATENT-CLASS-325-4	c 32	N80-20448*	US-PATENT-CLASS-328-1	c 10	N71-19472*
US-PATENT-CLASS-325-145	c 32	N77-14292* #	US-PATENT-CLASS-325-51	c 07	N72-25173*	US-PATENT-CLASS-328-1	c 09	N72-22200* #
US-PATENT-CLASS-325-148	c 32	N74-19790* #	US-PATENT-CLASS-325-55	c 07	N72-25173*	US-PATENT-CLASS-328-207	c 09	N71-29139* #
US-PATENT-CLASS-325-148	c 17	N76-21250* #	US-PATENT-CLASS-325-58	c 07	N72-11149*	US-PATENT-CLASS-328-207	c 09	N77-24375* #
US-PATENT-CLASS-325-148	c 32	N80-20448* #	US-PATENT-CLASS-325-58	c 07	N72-20140* #	US-PATENT-CLASS-328-207	c 09	N77-24375* #
US-PATENT-CLASS-325-151	c 08	N71-27057*	US-PATENT-CLASS-325-58	c 07	N72-25173*	US-PATENT-CLASS-328-207	c 10	N72-20221* #
US-PATENT-CLASS-325-159	c 33	N78-32340* #	US-PATENT-CLASS-325-58	c 32	N78-15323*	US-PATENT-CLASS-328-20	c 10	N72-20223* #
US-PATENT-CLASS-325-163	c 07	N71-23405*	US-PATENT-CLASS-325-58	c 32	N79-20296*	US-PATENT-CLASS-328-233	c 10	N71-22962*
US-PATENT-CLASS-325-16	c 07	N71-27056*	US-PATENT-CLASS-325-5	c 07	N73-20174*	US-PATENT-CLASS-328-233	c 75	N75-13625* #
US-PATENT-CLASS-325-17	c 07	N73-20174* #	US-PATENT-CLASS-325-60	c 08	N71-19763*	US-PATENT-CLASS-328-233	c 37	N78-17366* #
US-PATENT-CLASS-325-185	c 07	N71-28430*	US-PATENT-CLASS-325-60	c 07	N73-16121*	US-PATENT-CLASS-328-24	c 09	N72-33204* #
US-PATENT-CLASS-325-186	c 03	N76-32140* #	US-PATENT-CLASS-325-60	c 32	N75-24981*	US-PATENT-CLASS-328-37	c 08	N71-12503* #
US-PATENT-CLASS-325-187	c 33	N78-32340* #	US-PATENT-CLASS-325-61	c 07	N73-25160*	US-PATENT-CLASS-328-37	c 10	N73-20254* #
US-PATENT-CLASS-325-23	c 07	N71-27056*	US-PATENT-CLASS-325-62	c 08	N72-25208*	US-PATENT-CLASS-328-37	c 33	N76-14373*
US-PATENT-CLASS-325-29	c 09	N72-22202*	US-PATENT-CLASS-325-62	c 44	N74-19870*	US-PATENT-CLASS-328-37	c 33	

US-PATENT-CLASS-328-48	c 33	N74-10223*	#	US-PATENT-CLASS-330-11	c 10	N71-33129*	#	US-PATENT-CLASS-331-107G	c 26	N72-25679*	#
US-PATENT-CLASS-328-48	c 60	N81-15706*	#	US-PATENT-CLASS-330-11	c 09	N72-17156*	#	US-PATENT-CLASS-331-107G	c 09	N73-15235*	#
US-PATENT-CLASS-328-49	c 10	N71-27137*	#	US-PATENT-CLASS-330-12	c 07	N71-28430*	#	US-PATENT-CLASS-331-107	c 26	N72-21701*	#
US-PATENT-CLASS-328-55	c 33	N81-17349*	#	US-PATENT-CLASS-330-12	c 10	N72-33230*	#	US-PATENT-CLASS-331-107	c 33	N74-20862*	#
US-PATENT-CLASS-328-58	c 08	N71-29138*	#	US-PATENT-CLASS-330-13	c 10	N71-26415*	#	US-PATENT-CLASS-331-108A	c 33	N74-20862*	#
US-PATENT-CLASS-328-58	c 33	N74-32711*	#	US-PATENT-CLASS-330-13	c 33	N75-30428*	#	US-PATENT-CLASS-331-109	c 10	N71-27271*	#
US-PATENT-CLASS-328-58	c 33	N75-18479*	#	US-PATENT-CLASS-330-14	c 09	N70-35440*	#	US-PATENT-CLASS-331-109	c 33	N74-26732*	#
US-PATENT-CLASS-328-59	c 33	N75-19151*	#	US-PATENT-CLASS-330-14	c 33	N77-14335*	#	US-PATENT-CLASS-331-10	c 07	N72-11150*	#
US-PATENT-CLASS-328-61	c 09	N71-23525*	#	US-PATENT-CLASS-330-16	c 10	N71-33129*	#	US-PATENT-CLASS-331-111	c 10	N71-23669*	#
US-PATENT-CLASS-328-61	c 10	N73-20254*	#	US-PATENT-CLASS-330-176	c 10	N72-17171*	#	US-PATENT-CLASS-331-111	c 09	N72-21247*	#
US-PATENT-CLASS-328-61	c 35	N75-30504*	#	US-PATENT-CLASS-330-18	c 09	N72-17155*	#	US-PATENT-CLASS-331-113A	c 09	N72-25253*	#
US-PATENT-CLASS-328-62	c 35	N75-30504*	#	US-PATENT-CLASS-330-18	c 33	N75-30428*	#	US-PATENT-CLASS-331-113A	c 09	N72-25254*	#
US-PATENT-CLASS-328-63	c 33	N76-14371*	#	US-PATENT-CLASS-330-200	c 07	N71-28430*	#	US-PATENT-CLASS-331-113A	c 33	N74-11049*	#
US-PATENT-CLASS-328-63	c 33	N77-24375*	#	US-PATENT-CLASS-330-207A	c 33	N75-30429*	#	US-PATENT-CLASS-331-113	c 33	N82-18494*	#
US-PATENT-CLASS-328-67	c 10	N71-28960*	#	US-PATENT-CLASS-330-20	c 09	N73-20232*	#	US-PATENT-CLASS-331-113	c 09	N70-38995*	#
US-PATENT-CLASS-328-67	c 33	N82-24418*	#	US-PATENT-CLASS-330-22	c 09	N71-10798*	#	US-PATENT-CLASS-331-113	c 10	N71-19418*	#
US-PATENT-CLASS-328-71	c 60	N81-15706*	#	US-PATENT-CLASS-330-22	c 09	N73-20232*	#	US-PATENT-CLASS-331-113	c 09	N71-19470*	#
US-PATENT-CLASS-328-92	c 10	N71-28860*	#	US-PATENT-CLASS-330-24	c 10	N71-33129*	#	US-PATENT-CLASS-331-113	c 10	N71-25882*	#
US-PATENT-CLASS-329-104	c 07	N71-11282*	#	US-PATENT-CLASS-330-24	c 33	N75-30429*	#	US-PATENT-CLASS-331-113	c 10	N71-25950*	#
US-PATENT-CLASS-329-104	c 33	N74-12887*	#	US-PATENT-CLASS-330-26	c 10	N72-17172*	#	US-PATENT-CLASS-331-113	c 09	N71-28810*	#
US-PATENT-CLASS-329-104	c 32	N77-24331*	#	US-PATENT-CLASS-330-27R	c 10	N72-31273*	#	US-PATENT-CLASS-331-114	c 33	N77-17351*	#
US-PATENT-CLASS-329-107	c 35	N81-19427*	#	US-PATENT-CLASS-330-28	c 33	N74-21851*	#	US-PATENT-CLASS-331-115	c 10	N72-33230*	#
US-PATENT-CLASS-329-119	c 33	N77-21314*	#	US-PATENT-CLASS-330-28	c 33	N77-14335*	#	US-PATENT-CLASS-331-115	c 33	N74-20862*	#
US-PATENT-CLASS-329-120	c 07	N73-30113*	#	US-PATENT-CLASS-330-290	c 33	N82-24417*	#	US-PATENT-CLASS-331-116R	c 10	N72-33230*	#
US-PATENT-CLASS-329-122	c 10	N71-19469*	#	US-PATENT-CLASS-330-294	c 33	N82-24417*	#	US-PATENT-CLASS-331-116R	c 33	N74-20862*	#
US-PATENT-CLASS-329-122	c 07	N73-28012*	#	US-PATENT-CLASS-330-29	c 09	N69-24330*	#	US-PATENT-CLASS-331-117R	c 33	N74-26732*	#
US-PATENT-CLASS-329-122	c 33	N74-12887*	#	US-PATENT-CLASS-330-29	c 10	N72-28241*	#	US-PATENT-CLASS-331-117	c 10	N71-27271*	#
US-PATENT-CLASS-329-122	c 32	N74-20811*	#	US-PATENT-CLASS-330-2	c 09	N69-39986*	#	US-PATENT-CLASS-331-117	c 09	N72-22203*	#
US-PATENT-CLASS-329-122	c 33	N77-14334*	#	US-PATENT-CLASS-330-2	c 09	N72-25250*	#	US-PATENT-CLASS-331-12	c 33	N78-32338*	#
US-PATENT-CLASS-329-122	c 32	N77-24331*	#	US-PATENT-CLASS-330-2	c 33	N78-10375*	#	US-PATENT-CLASS-331-135	c 10	N73-32145*	#
US-PATENT-CLASS-329-122	c 32	N79-14267*	#	US-PATENT-CLASS-330-2	c 33	N79-22373*	#	US-PATENT-CLASS-331-14	c 09	N72-21247*	#
US-PATENT-CLASS-329-122	c 33	N81-33405*	#	US-PATENT-CLASS-330-30D	c 10	N72-20221*	#	US-PATENT-CLASS-331-14	c 33	N74-10194*	#
US-PATENT-CLASS-329-124	c 33	N77-14334*	#	US-PATENT-CLASS-330-30D	c 09	N73-20232*	#	US-PATENT-CLASS-331-14	c 33	N79-11313*	#
US-PATENT-CLASS-329-124	c 33	N78-32338*	#	US-PATENT-CLASS-330-306	c 33	N82-24417*	#	US-PATENT-CLASS-331-159	c 33	N74-20862*	#
US-PATENT-CLASS-329-126	c 33	N74-12887*	#	US-PATENT-CLASS-330-30	c 09	N71-19466*	#	US-PATENT-CLASS-331-177R	c 09	N73-15235*	#
US-PATENT-CLASS-329-140	c 07	N71-24583*	#	US-PATENT-CLASS-330-30	c 09	N71-19516*	#	US-PATENT-CLASS-331-177V	c 33	N77-17351*	#
US-PATENT-CLASS-329-145	c 07	N71-33696*	#	US-PATENT-CLASS-330-30	c 09	N71-27016*	#	US-PATENT-CLASS-331-177	c 10	N71-27271*	#
US-PATENT-CLASS-329-161	c 07	N72-20141*	#	US-PATENT-CLASS-330-31	c 10	N71-26331*	#	US-PATENT-CLASS-331-178	c 33	N74-10194*	#
US-PATENT-CLASS-329-162	c 07	N72-20141*	#	US-PATENT-CLASS-330-31	c 10	N72-17172*	#	US-PATENT-CLASS-331-17	c 10	N71-20852*	#
US-PATENT-CLASS-329-166	c 33	N75-19520*	#	US-PATENT-CLASS-330-35	c 09	N72-17156*	#	US-PATENT-CLASS-331-17	c 10	N73-27171*	#
US-PATENT-CLASS-329-166	c 33	N75-25041*	#	US-PATENT-CLASS-330-35	c 09	N73-20232*	#	US-PATENT-CLASS-331-17	c 33	N74-10194*	#
US-PATENT-CLASS-329-204	c 33	N75-19520*	#	US-PATENT-CLASS-330-35	c 33	N77-14939*	#	US-PATENT-CLASS-331-183	c 33	N74-26732*	#
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US-PATENT-CLASS-329-205	c 33	N77-21314*	#	US-PATENT-CLASS-330-43	c 36	N75-19855*	#	US-PATENT-CLASS-331-18	c 33	N74-10194*	#
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US-PATENT-CLASS-33-8UB	c 27	N81-15104*	#	US-PATENT-CLASS-330-43	c 36	N76-29575*	#	US-PATENT-CLASS-331-23	c 33	N77-14334*	#
US-PATENT-CLASS-33-DIG 13	c 35	N75-12273*	#	US-PATENT-CLASS-330-43	c 36	N77-25502*	#	US-PATENT-CLASS-331-23	c 33	N79-11313*	#
US-PATENT-CLASS-33-1G	c 37	N76-21554*	#	US-PATENT-CLASS-330-43	c 73	N78-19820*	#	US-PATENT-CLASS-331-25	c 10	N73-27171*	#
US-PATENT-CLASS-33-1M	c 35	N74-32877*	#	US-PATENT-CLASS-330-43	c 36	N82-28616*	#	US-PATENT-CLASS-331-25	c 33	N75-25040*	#
US-PATENT-CLASS-33-3IN	c 43	N79-26439*	#	US-PATENT-CLASS-330-45	c 09	N72-25258*	#	US-PATENT-CLASS-331-27	c 33	N79-11313*	#
US-PATENT-CLASS-33-1Q	c 43	N79-26439*	#	US-PATENT-CLASS-330-49	c 33	N74-32660*	#	US-PATENT-CLASS-331-30	c 09	N72-21247*	#
US-PATENT-CLASS-33-1SA	c 14	N72-28436*	#	US-PATENT-CLASS-330-40	c 07	N71-28430*	#	US-PATENT-CLASS-331-34	c 07	N72-11150*	#
US-PATENT-CLASS-33-1SA	c 19	N74-21015*	#	US-PATENT-CLASS-330-40	c 09	N72-17155*	#	US-PATENT-CLASS-331-36C	c 33	N77-14334*	#
US-PATENT-CLASS-33-125R	c 52	N80-27072*	#	US-PATENT-CLASS-330-40	c 09	N73-20232*	#	US-PATENT-CLASS-331-3	c 35	N76-15436*	#
US-PATENT-CLASS-33-125	c 14	N72-11364*	#	US-PATENT-CLASS-330-40	c 33	N75-30428*	#	US-PATENT-CLASS-331-44	c 14	N72-27408*	#
US-PATENT-CLASS-33-143C	c 52	N82-22875*	#	US-PATENT-CLASS-330-43	c 33	N79-10393*	#	US-PATENT-CLASS-331-45	c 10	N73-16206*	#
US-PATENT-CLASS-33-147	c 15	N71-19489*	#	US-PATENT-CLASS-330-43	c 33	N82-26568*	#	US-PATENT-CLASS-331-48	c 33	N81-17349*	#
US-PATENT-CLASS-33-148D	c 35	N75-19615*	#	US-PATENT-CLASS-330-49	c 14	N70-35220*	#	US-PATENT-CLASS-331-4	c 09	N69-21543*	#
US-PATENT-CLASS-33-149	c 14	N71-17657*	#	US-PATENT-CLASS-330-4	c 16	N71-15550*	#	US-PATENT-CLASS-331-4	c 33	N74-10194*	#
US-PATENT-CLASS-33-15A	c 08	N72-11172*	#	US-PATENT-CLASS-330-4	c 16	N71-24831*	#	US-PATENT-CLASS-331-4	c 33	N78-32338*	#
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US-PATENT-CLASS-33-174B	c 37	N76-21554*	#	US-PATENT-CLASS-330-4	c 36	N75-15029*	#	US-PATENT-CLASS-331-64	c 33	N78-32338*	#
US-PATENT-CLASS-33-174D	c 33	N76-19338*	#	US-PATENT-CLASS-330-4	c 36	N76-31512*	#	US-PATENT-CLASS-331-65	c 35	N75-29380*	#
US-PATENT-CLASS-33-174L	c 43	N79-26439*	#	US-PATENT-CLASS-330-4	c 36	N78-18410*	#	US-PATENT-CLASS-331-65	c 33	N80-23559*	#
US-PATENT-CLASS-33-174S	c 14	N72-22445*	#	US-PATENT-CLASS-330-4	c 36	N80-18372*	#	US-PATENT-CLASS-331-66	c 07	N72-11150*	#
US-PATENT-CLASS-33-174	c 14	N69-21363*	#	US-PATENT-CLASS-330-5.5	c 71	N77-26919*	#	US-PATENT-CLASS-331-78	c 09	N71-23598*	#
US-PATENT-CLASS-33-174	c 14	N71-17658*	#	US-PATENT-CLASS-330-51	c 10	N71-28859*	#	US-PATENT-CLASS-331-78	c 08	N73-12175*	#
US-PATENT-CLASS-33-174	c 14	N71-24693*	#	US-PATENT-CLASS-330-51	c 33	N79-22373*	#	US-PATENT-CLASS-331-78	c 33	N75-19515*	#
US-PATENT-CLASS-33-180R	c 35	N75-12273*	#	US-PATENT-CLASS-330-52	c 71	N71-14867*	#	US-PATENT-CLASS-331-37	c 07	N72-11150*	#
US-PATENT-CLASS-33-189	c 15	N71-26145*	#	US-PATENT-CLASS-330-53	c 33	N74-32660*	#	US-PATENT-CLASS-331-90	c 09	N73-15235*	#
US-PATENT-CLASS-33-1	c 14	N70-36907*	#	US-PATENT-CLASS-330-59	c 09	N72-25250*	#	US-PATENT-CLASS-331-94 5A	c 16	N73-33397*	#
US-PATENT-CLASS-33-204C	c 08	N72-11172*	#	US-PATENT-CLASS-330-59	c 33	N74-21851*	#	US-PATENT-CLASS-331-94 5A	c 36	N75-27364*	#
US-PATENT-CLASS-33-207	c 15	N71-15571*	#	US-PATENT-CLASS-330-59	c 33	N77-14336*	#	US-PATENT-CLASS-331-94 5C	c 36	N75-31427*	#
US-PATENT-CLASS-33-23R	c 35	N74-32877*	#	US-PATENT-CLASS-330-5	c 33	N75-27251*	#	US-PATENT-CLASS-331-94 5C	c 36	N76-18428*	#
US-PATENT-CLASS-33-268	c 89	N74-30886*	#	US-PATENT-CLASS-330-61	c 09	N71-23097*	#	US-PATENT-CLASS-331-94 5C	c 36	N76-24553*	#
US-PATENT-CLASS-33-285	c 36	N74-21091*	#	US-PATENT-CLASS-330-63	c 33	N75-30428*	#	US-PATENT-CLASS-331-94 5C	c 36	N76-29575*	#
US-PATENT-CLASS-33-288	c 18	N76-14185*	#	US-PATENT-CLASS-330-69	c 33	N74-32712*	#	US-PATENT-CLASS-331-94 5C	c 36	N80-14384*	#
US-PATENT-CLASS-33-31	c 14	N71-21079*	#	US-PATENT-CLASS-330-69	c 33	N75-19518*	#	US-PATENT-CLASS-331-94 5C	c 36	N82-13415*	#
US-PATENT-CLASS-33-356	c 04	N76-20141*	#	US-PATENT-CLASS-330-6	c 35	N75-13213*	#	US-PATENT-CLASS-331-94 5D	c 33	N74-20859*	#
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US-PATENT-CLASS-331-94 5PE	c 72	N79-13826*	#	US-PATENT-CLASS-333-73	c 09	N71-23573*	#	US-PATENT-CLASS-338-99	c 35	N78-17359*	#
US-PATENT-CLASS-331-94 5PE	c 33	N82-24418*	#	US-PATENT-CLASS-333-75	c 32	N77-18307*	#	US-PATENT-CLASS-339-143C	c 33	N76-16332*	#
US-PATENT-CLASS-331-94 5P	c 36	N75-19655*	#	US-PATENT-CLASS-333-76	c 32	N77-18307*	#	US-PATENT-CLASS-339-143R	c 09	N72-25256*	#
US-PATENT-CLASS-331-94 5P	c 36	N75-31426*	#	US-PATENT-CLASS-333-79	c 10	N70-19164*	#	US-PATENT-CLASS-339-147R	c 09	N72-25256*	#
US-PATENT-CLASS-331-94 5P	c 36	N77-25502*	#	US-PATENT-CLASS-333-79	c 09	N72-25256*	#	US-PATENT-CLASS-339-150	c 09	N69-21470*	#
US-PATENT-CLASS-331-94 5P	c 36	N78-27402*	#	US-PATENT-CLASS-333-7	c 07	N71-33606*	#	US-PATENT-CLASS-339-17M	c 37	N76-27567*	#
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US-PATENT-CLASS-331-94 5P	c 36	N79-18307*	#	US-PATENT-CLASS-333-80R	c 33	N74-32712*	#	US-PATENT-CLASS-339-176MF	c 09	N72-28225*	#
US-PATENT-CLASS-331-94 5P	c 36	N80-14384*	#	US-PATENT-CLASS-333-80T	c 10	N72-33230*	#	US-PATENT-CLASS-339-176M	c 15	N72-17455*	#
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US-PATENT-CLASS-331-94 5S	c 36	N74-15145*	#	US-PATENT-CLASS-333-80	c 09	N72-21245*	#	US-PATENT-CLASS-339-176	c 09	N70-36494*	#
US-PATENT-CLASS-331-94 5S	c 36	N77-25499*	#	US-PATENT-CLASS-333-81B	c 14	N73-13420*	#	US-PATENT-CLASS-339-177	c 09	N71-20851*	
US-PATENT-CLASS-331-94 5T	c 35	N77-27366*	#	US-PATENT-CLASS-333-81R	c 07	N72-25170*	#	US-PATENT-CLASS-339-177	c 14	N69-27431*	#
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US-PATENT-CLASS-331-94 5	c 16	N71-24832*	#	US-PATENT-CLASS-333-81	c 07	N71-29065*	#	US-PATENT-CLASS-339-18C	c 37	N76-27567*	#
US-PATENT-CLASS-331-94 5	c 23	N71-26722*	#	US-PATENT-CLASS-333-82A	c 09	N73-26195*	#	US-PATENT-CLASS-339-18R	c 33	N76-16332*	#
US-PATENT-CLASS-331-94 5	c 15	N71-27135*	#	US-PATENT-CLASS-333-82B	c 32	N77-18307*	#	US-PATENT-CLASS-339-218M	c 09	N72-28225*	#
US-PATENT-CLASS-331-94 5	c 23	N71-29125*	#	US-PATENT-CLASS-333-83BT	c 33	N75-30430*	#	US-PATENT-CLASS-339-242	c 33	N76-16332*	#
US-PATENT-CLASS-331-94 5	c 16	N71-33410*	#	US-PATENT-CLASS-333-83R	c 36	N74-11313*	#	US-PATENT-CLASS-339-252R	c 52	N72-17438*	#
US-PATENT-CLASS-331-94 5	c 16	N72-12440*	#	US-PATENT-CLASS-333-83	c 09	N71-24841*	#	US-PATENT-CLASS-339-275R	c 33	N76-16332*	#
US-PATENT-CLASS-331-94 5	c 25	N72-24753*	#	US-PATENT-CLASS-333-84M	c 09	N73-26195*	#	US-PATENT-CLASS-339-27T	c 09	N72-20200*	#
US-PATENT-CLASS-331-94 5	c 16	N72-25485*	#	US-PATENT-CLASS-333-8	c 07	N69-24334*	#	US-PATENT-CLASS-339-276T	c 09	N72-20200*	#
US-PATENT-CLASS-331-94 5	c 07	N73-26119*	#	US-PATENT-CLASS-333-95	c 07	N71-27191*	#	US-PATENT-CLASS-339-278M	c 15	N72-17455*	#
US-PATENT-CLASS-331-94 5	c 09	N73-32111*	#	US-PATENT-CLASS-333-96	c 09	N71-20445*	#	US-PATENT-CLASS-339-3R	c 07	N83-20944*	#
US-PATENT-CLASS-331-94 5	c 16	N73-32391*	#	US-PATENT-CLASS-333-96	c 07	N71-27191*	#	US-PATENT-CLASS-339-45M	c 15	N72-25450*	#
US-PATENT-CLASS-331-94 5	c 36	N76-18427*	#	US-PATENT-CLASS-333-97R	c 36	N74-11313*	#	US-PATENT-CLASS-339-46	c 15	N72-17455*	#
US-PATENT-CLASS-331-94-5G	c 36	N75-32441*	#	US-PATENT-CLASS-333-97	c 07	N69-27462*	#	US-PATENT-CLASS-339-5R	c 07	N83-20944*	#
US-PATENT-CLASS-331-94	c 16	N70-41578*	#	US-PATENT-CLASS-333-98P	c 07	N72-25170*	#	US-PATENT-CLASS-339-5	c 15	N71-23049*	
US-PATENT-CLASS-331-94	c 16	N72-28521*	#	US-PATENT-CLASS-333-98P	c 09	N72-29172*	#	US-PATENT-CLASS-339-75MP	c 09	N72-28225*	#
US-PATENT-CLASS-331-94	c 16	N73-13489*	#	US-PATENT-CLASS-333-98R	c 07	N72-25170*	#	US-PATENT-CLASS-339-91B	c 15	N72-25450*	#
US-PATENT-CLASS-331-94	c 35	N76-15436*	#	US-PATENT-CLASS-333-98R	c 09	N72-29172*	#	US-PATENT-CLASS-339-91	c 09	N69-21927*	#
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US-PATENT-CLASS-331-94	c 36	N79-14362*	#	US-PATENT-CLASS-333-98R	c 33	N75-30430*	#	US-PATENT-CLASS-339-95	c 09	N69-39734*	#
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US-PATENT-CLASS-340-228 2	c 10	N72-17173* #	US-PATENT-CLASS-340-8R	c 35	N74-16135* #	US-PATENT-CLASS-343-17 9	c 07	N72-11449* #
US-PATENT-CLASS-340-228S	c 14	N73-16484* #	US-PATENT-CLASS-340-825 89	c 33	N82-29538* #	US-PATENT-CLASS-343-17 9	c 07	N73-20174* #
US-PATENT-CLASS-340-233	c 14	N71-25901* #	US-PATENT-CLASS-340-870 24	c 33	N81-14221* #	US-PATENT-CLASS-343-179	c 32	N78-15323* #
US-PATENT-CLASS-340-235	c 10	N71-26334* #	US-PATENT-CLASS-340-97	c 21	N73-13643* #	US-PATENT-CLASS-343-179	c 32	N79-2096* #
US-PATENT-CLASS-340-237S	c 45	N76-17656* #	US-PATENT-CLASS-343-DIG 2	c 07	N73-24176* #	US-PATENT-CLASS-343-18A	c 32	N80-14281* #
US-PATENT-CLASS-340-240	c 09	N72-27227* #	US-PATENT-CLASS-343-DIG 2	c 33	N74-20860* #	US-PATENT-CLASS-343-178	c 32	N74-12912* #
US-PATENT-CLASS-340-242	c 35	N75-19612* #	US-PATENT-CLASS-343-DIG 3	c 09	N72-12136* #	US-PATENT-CLASS-343-18B	c 32	N77-21267* #
US-PATENT-CLASS-340-248	c 10	N71-27338* #	US-PATENT-CLASS-343-DIG 2	c 07	N83-20944* #	US-PATENT-CLASS-343-18B	c 43	N80-18498* #
US-PATENT-CLASS-340-258R	c 07	N73-25160* #	US-PATENT-CLASS-343-100CL	c 32	N77-32342* #	US-PATENT-CLASS-343-18D	c 43	N80-18498* #
US-PATENT-CLASS-340-258B	c 10	N72-28240* #	US-PATENT-CLASS-343-100CL	c 32	N79-14268* #	US-PATENT-CLASS-343-18	c 31	N70-37981* #
US-PATENT-CLASS-340-25	c 14	N73-16483* #	US-PATENT-CLASS-343-100CL	c 32	N81-29308* #	US-PATENT-CLASS-343-18	c 07	N70-40063* #
US-PATENT-CLASS-340-262	c 54	N78-32720* #	US-PATENT-CLASS-343-100CL	c 32	N83-18975* #	US-PATENT-CLASS-343-18	c 30	N70-40309* #
US-PATENT-CLASS-340-26	c 21	N72-22619* #	US-PATENT-CLASS-343-100CL	c 32	N83-19968* #	US-PATENT-CLASS-343-18	c 07	N70-41678* #
US-PATENT-CLASS-340-26	c 04	N82-16059* #	US-PATENT-CLASS-343-100ME	c 14	N72-28437* #	US-PATENT-CLASS-343-200	c 07	N73-16121* #
US-PATENT-CLASS-340-27AT	c 21	N73-14692* #	US-PATENT-CLASS-343-100ME	c 14	N73-26432* #	US-PATENT-CLASS-343-204	c 07	N73-26118* #
US-PATENT-CLASS-340-27NA	c 21	N73-13643* #	US-PATENT-CLASS-343-100ME	c 46	N82-16403* #	US-PATENT-CLASS-343-225	c 17	N78-17140* #
US-PATENT-CLASS-340-27NA	c 06	N82-16075* #	US-PATENT-CLASS-343-100ME	c 35	N80-18359* #	US-PATENT-CLASS-343-5CM	c 07	N72-21118* #
US-PATENT-CLASS-340-27R</td								

US-PATENT-CLASS-343-5GC	c 32	N75-24982*	#	US-PATENT-CLASS-343-786	c 07	N71-26101*		US-PATENT-CLASS-346-1	c 12	N71-20815*
US-PATENT-CLASS-343-5MM	c 32	N77-21267*	#	US-PATENT-CLASS-343-786	c 07	N71-27233*		US-PATENT-CLASS-346-1	c 09	N72-21246* #
US-PATENT-CLASS-343-5NA	c 31	N79-28370*	#	US-PATENT-CLASS-343-786	c 07	N72-20141*	#	US-PATENT-CLASS-346-23	c 14	N72-18411* #
US-PATENT-CLASS-343-5W	c 35	N79-10391*	#	US-PATENT-CLASS-343-786	c 10	N72-22235*	#	US-PATENT-CLASS-346-24	c 35	N74-15831* #
US-PATENT-CLASS-343-5W	c 43	N80-18498*	#	US-PATENT-CLASS-343-786	c 07	N72-25174*	#	US-PATENT-CLASS-346-29	c 05	N72-21246* #
US-PATENT-CLASS-343-6 BR	c 32	N77-20289*	#	US-PATENT-CLASS-343-786	c 09	N72-31235*	#	US-PATENT-CLASS-346-33R	c 35	N74-32877* #
US-PATENT-CLASS-343-6 SR	c 07	N72-12080*		US-PATENT-CLASS-343-786	c 32	N74-20863*	#	US-PATENT-CLASS-346-44	c 09	N69-21467* #
US-PATENT-CLASS-343-6 SR	c 07	N72-21118*	#	US-PATENT-CLASS-343-786	c 32	N76-15330*	#	US-PATENT-CLASS-346-50	c 14	N71-21006*
US-PATENT-CLASS-343-6 SR	c 07	N72-25171*	#	US-PATENT-CLASS-343-786	c 32	N76-21365*	#	US-PATENT-CLASS-346-74MD	c 21	N73-13644* #
US-PATENT-CLASS-343-6 SR	c 08	N72-25209*	#	US-PATENT-CLASS-343-786	c 32	N80-23524*	#	US-PATENT-CLASS-346-74MT	c 35	N79-16246* #
US-PATENT-CLASS-343-6 SR	c 07	N73-25161*	#	US-PATENT-CLASS-343-786	c 32	N80-29539*	#	US-PATENT-CLASS-346R	c 73	N77-18891* #
US-PATENT-CLASS-343-6 SR	c 21	N73-30641*	#	US-PATENT-CLASS-343-786	c 32	N81-25278*	#	US-PATENT-CLASS-349	c 25	N79-28253* #
US-PATENT-CLASS-343-6 SR	c 32	N74-12912*	#	US-PATENT-CLASS-343-789	c 32	N81-14187*	#	US-PATENT-CLASS-35-10.2	c 14	N71-15621* #
US-PATENT-CLASS-343-6 SR	c 32	N75-15854*	#	US-PATENT-CLASS-343-789	c 32	N82-27558*	#	US-PATENT-CLASS-35-12C	c 14	N73-27377* #
US-PATENT-CLASS-343-6 SR	c 03	N75-30132*	#	US-PATENT-CLASS-343-795	c 32	N82-11336*	#	US-PATENT-CLASS-35-12C	c 09	N75-15662* #
US-PATENT-CLASS-343-6 SR	c 32	N77-20289*	#	US-PATENT-CLASS-343-797	c 09	N71-24842*	#	US-PATENT-CLASS-35-12C	c 74	N79-13855* #
US-PATENT-CLASS-343-6 SS	c 32	N74-12912*	#	US-PATENT-CLASS-343-797	c 07	N72-22127*	#	US-PATENT-CLASS-35-12E	c 09	N74-30597* #
US-PATENT-CLASS-343-6	c 21	N71-11766*	#	US-PATENT-CLASS-343-797	c 09	N72-31235*	#	US-PATENT-CLASS-35-12E	c 09	N79-31228* #
US-PATENT-CLASS-343-6	c 10	N71-23099*		US-PATENT-CLASS-343-797	c 07	N73-28013*	#	US-PATENT-CLASS-35-12H	c 09	N79-31228* #
US-PATENT-CLASS-343-6 SR	c 07	N72-12080*		US-PATENT-CLASS-343-797	c 32	N74-20863*	#	US-PATENT-CLASS-35-12N	c 09	N76-24280* #
US-PATENT-CLASS-343-6 SR	c 07	N73-25161*	#	US-PATENT-CLASS-343-797	c 33	N76-14372*	#	US-PATENT-CLASS-35-12N	c 09	N78-18083* #
US-PATENT-CLASS-343-6 SR	c 14	N73-25461*	#	US-PATENT-CLASS-343-797	c 32	N81-14187*	#	US-PATENT-CLASS-35-12N	c 74	N79-13855* #
US-PATENT-CLASS-343-6R	c 32	N79-10264*	#	US-PATENT-CLASS-343-799	c 07	N71-27233*		US-PATENT-CLASS-35-12	c 11	N70-34815* #
US-PATENT-CLASS-343-6	c 30	N71-16090*		US-PATENT-CLASS-343-803	c 07	N73-28013*	#	US-PATENT-CLASS-35-12	c 31	N70-34966* #
US-PATENT-CLASS-343-7	c 10	N72-22235*	#	US-PATENT-CLASS-343-823	c 07	N71-28979*		US-PATENT-CLASS-35-12	c 11	N71-10746* #
US-PATENT-CLASS-343-7	c 32	N79-13214*	#	US-PATENT-CLASS-343-830	c 32	N80-32604*	#	US-PATENT-CLASS-35-12	c 11	N71-10748* #
US-PATENT-CLASS-343-7	c 07	N69-39974*	#	US-PATENT-CLASS-343-833	c 31	N70-34135*	#	US-PATENT-CLASS-35-12	c 11	N71-10776* #
US-PATENT-CLASS-343-7	c 09	N71-24595*		US-PATENT-CLASS-343-837	c 07	N72-32169*	#	US-PATENT-CLASS-35-12	c 11	N71-18773* #
US-PATENT-CLASS-343-7	c 07	N72-11149*		US-PATENT-CLASS-343-837	c 07	N73-14130*	#	US-PATENT-CLASS-35-12	c 11	N71-19494* #
US-PATENT-CLASS-343-7	c 44	N74-19870*	#	US-PATENT-CLASS-343-837	c 33	N75-19516*	#	US-PATENT-CLASS-35-12	c 11	N71-21474* #
US-PATENT-CLASS-343-7	c 32	N82-23376*	#	US-PATENT-CLASS-343-837	c 32	N76-15329*	#	US-PATENT-CLASS-35-12	c 18	N76-14186* #
US-PATENT-CLASS-343-700MS	c 32	N78-24391*	#	US-PATENT-CLASS-343-837	c 32	N76-18295*	#	US-PATENT-CLASS-35-17	c 05	N71-24606* #
US-PATENT-CLASS-343-700MS	c 32	N80-32604*	#	US-PATENT-CLASS-343-837	c 32	N78-31321*	#	US-PATENT-CLASS-35-19	c 10	N71-27365* #
US-PATENT-CLASS-343-700S	c 32	N82-11336*	#	US-PATENT-CLASS-343-839	c 09	N73-19234*	#	US-PATENT-CLASS-35-22R	c 05	N73-13114* #
US-PATENT-CLASS-343-703	c 09	N71-13521*	#	US-PATENT-CLASS-343-840	c 07	N71-27233*		US-PATENT-CLASS-35-29	c 11	N71-16028* #
US-PATENT-CLASS-343-703	c 07	N71-24614*		US-PATENT-CLASS-343-840	c 09	N72-12136*		US-PATENT-CLASS-35-29	c 05	N71-28619* #
US-PATENT-CLASS-343-705	c 07	N70-38200*	#	US-PATENT-CLASS-343-840	c 07	N72-31269*	#	US-PATENT-CLASS-35-35A	c 71	N74-21014* #
US-PATENT-CLASS-343-705	c 07	N70-40202*	#	US-PATENT-CLASS-343-840	c 32	N76-18295*	#	US-PATENT-CLASS-35-45	c 14	N70-35394* #
US-PATENT-CLASS-343-705	c 31	N71-10747*	#	US-PATENT-CLASS-343-844	c 32	N79-11264*	#	US-PATENT-CLASS-35-49	c 12	N69-39988* #
US-PATENT-CLASS-343-705	c 03	N76-32140*	#	US-PATENT-CLASS-343-844	c 32	N80-28578*	#	US-PATENT-CLASS-35-8	c 05	N72-16015* #
US-PATENT-CLASS-343-706	c 07	N72-21117*	#	US-PATENT-CLASS-343-846	c 33	N76-14372*	#	US-PATENT-CLASS-350-100	c 36	N77-25501* #
US-PATENT-CLASS-343-708	c 09	N71-22888*		US-PATENT-CLASS-343-846	c 32	N82-11336*	#	US-PATENT-CLASS-350-102	c 23	N71-29123* #
US-PATENT-CLASS-343-708	c 07	N71-22894*		US-PATENT-CLASS-343-853	c 07	N72-11148*		US-PATENT-CLASS-350-102	c 36	N77-25501* #
US-PATENT-CLASS-343-708	c 07	N71-28980*		US-PATENT-CLASS-343-853	c 07	N72-22127*	#	US-PATENT-CLASS-350-138	c 23	N72-27728* #
US-PATENT-CLASS-343-708	c 09	N72-25247*	#	US-PATENT-CLASS-343-853	c 07	N72-25174*	#	US-PATENT-CLASS-350-145	c 74	N77-20882* #
US-PATENT-CLASS-343-708	c 32	N74-20864*	#	US-PATENT-CLASS-343-853	c 09	N72-31235*	#	US-PATENT-CLASS-350-147	c 14	N72-27409* #
US-PATENT-CLASS-343-708	c 32	N82-11336*	#	US-PATENT-CLASS-343-853	c 10	N73-16206*	#	US-PATENT-CLASS-350-150	c 26	N72-25680* #
US-PATENT-CLASS-343-718	c 09	N71-18720*		US-PATENT-CLASS-343-853	c 32	N74-20863*	#	US-PATENT-CLASS-350-150	c 36	N76-18427* #
US-PATENT-CLASS-343-720	c 09	N72-12136*		US-PATENT-CLASS-343-853	c 32	N74-20864*	#	US-PATENT-CLASS-350-151	c 36	N76-14205* #
US-PATENT-CLASS-343-725	c 07	N73-28013*	#	US-PATENT-CLASS-343-854	c 07	N69-27460*	#	US-PATENT-CLASS-350-151	c 35	N78-29421* #
US-PATENT-CLASS-343-727	c 32	N81-14187*	#	US-PATENT-CLASS-343-854	c 07	N71-27233*		US-PATENT-CLASS-350-157	c 74	N79-14891* #
US-PATENT-CLASS-343-727	c 32	N82-11336*	#	US-PATENT-CLASS-343-854	c 09	N73-19234*	#	US-PATENT-CLASS-350-159	c 74	N78-17865* #
US-PATENT-CLASS-343-729	c 07	N73-28013*	#	US-PATENT-CLASS-343-854	c 33	N74-20860*	#	US-PATENT-CLASS-350-160R	c 14	N72-25410* #
US-PATENT-CLASS-343-730	c 32	N74-20863*	#	US-PATENT-CLASS-343-854	c 33	N76-27472*	#	US-PATENT-CLASS-350-160R	c 26	N72-25680* #
US-PATENT-CLASS-343-734	c 09	N73-19234*	#	US-PATENT-CLASS-343-854	c 32	N79-11264*	#	US-PATENT-CLASS-350-160	c 36	N76-18427* #
US-PATENT-CLASS-343-755	c 33	N76-27472*	#	US-PATENT-CLASS-343-854	c 32	N80-28578*	#	US-PATENT-CLASS-350-161	c 26	N72-27784* #
US-PATENT-CLASS-343-755	c 32	N81-25278*	#	US-PATENT-CLASS-343-872	c 07	N71-28980*		US-PATENT-CLASS-350-161	c 36	N75-31427* #
US-PATENT-CLASS-343-761	c 33	N75-19516*	#	US-PATENT-CLASS-343-873	c 07	N71-19493*		US-PATENT-CLASS-350-162R	c 74	N80-21140* #
US-PATENT-CLASS-343-761	c 32	N76-21365*	#	US-PATENT-CLASS-343-873	c 09	N72-25247*	#	US-PATENT-CLASS-350-162SF	c 23	N73-30666* #
US-PATENT-CLASS-343-762	c 07	N72-25174*	#	US-PATENT-CLASS-343-876	c 32	N76-15329*	#	US-PATENT-CLASS-350-162SF	c 74	N76-31998* #
US-PATENT-CLASS-343-768	c 10	N71-26142*		US-PATENT-CLASS-343-880	c 07	N73-26117*		US-PATENT-CLASS-350-162SF	c 74	N77-28932* #
US-PATENT-CLASS-343-769	c 32	N74-20864*	#	US-PATENT-CLASS-343-880	c 18	N80-14183*	#	US-PATENT-CLASS-350-162SF	c 36	N77-32478* #
US-PATENT-CLASS-343-770	c 05	N72-31235*	#	US-PATENT-CLASS-343-882	c 33	N76-32457*	#	US-PATENT-CLASS-350-162	c 14	N72-17323* #
US-PATENT-CLASS-343-770	c 33	N76-14372*	#	US-PATENT-CLASS-343-883	c 07	N73-26117*	#	US-PATENT-CLASS-350-165	c 27	N78-31233* #
US-PATENT-CLASS-343-771	c 07	N71-28809*		US-PATENT-CLASS-343-883	c 18	N80-14183*	#	US-PATENT-CLASS-350-165	c 14	N72-22444* #
US-PATENT-CLASS-343-771	c 07	N72-11148*		US-PATENT-CLASS-343-884	c 07	N71-27191*		US-PATENT-CLASS-350-170	c 73	N78-32848* #
US-PATENT-CLASS-343-771	c 09	N72-21244*	#	US-PATENT-CLASS-343-889	c 07	N73-26117*	#	US-PATENT-CLASS-350-170	c 07	N73-30666* #
US-PATENT-CLASS-343-771	c 07	N72-22127*	#	US-PATENT-CLASS-343-893	c 09	N72-21244*	#	US-PATENT-CLASS-350-170	c 23	N72-23695* #
US-PATENT-CLASS-343-771	c 09	N72-25247*	#	US-PATENT-CLASS-343-893	c 07	N73-28013*	#	US-PATENT-CLASS-350-170	c 74	N83-17305* #
US-PATENT-CLASS-343-771	c 09	N73-31235*	#	US-PATENT-CLASS-343-895	c 09	N73-19234*	#	US-PATENT-CLASS-350-173	c 73	N78-32848* #
US-PATENT-CLASS-343-772	c 07	N72-20141*	#	US-PATENT-CLASS-343-895	c 07	N73-26117*	#	US-PATENT-CLASS-350-174	c 74	N78-20882* #
US-PATENT-CLASS-343-772	c 32	N81-25278*	#	US-PATENT-CLASS-343-895	c 32	N80-23524*	#	US-PATENT-CLASS-350-174	c 73	N78-32848* #
US-PATENT-CLASS-343-773	c 07	N72-20141*	#	US-PATENT-CLASS-343-895	c 32	N82-27558*	#	US-PATENT-CLASS-350-175E	c 74	N78-27185* #
US-PATENT-CLASS-343-776	c 07	N71-12396*	#	US-PATENT-CLASS-343-9PS	c 32	N83-19968*	#	US-PATENT-CLASS-350-175FS	c 14	N72-25144* #
US-PATENT-CLASS-343-777	c 07	N71-27233*		US-PATENT-CLASS-343-909	c 32	N74-11000*	#	US-PATENT-CLASS-350-175NG	c 27	N78-31233* #
US-PATENT-CLASS-343-777	c 07	N72-25174*	#	US-PATENT-CLASS-343-909	c 35	N76-15435*	#	US-PATENT-CLASS-350-189	c 23	N71-24857* #
US-PATENT-CLASS-343-779	c 07	N71-11265*	#	US-PATENT-CLASS-343-909	c 33	N79-28416*	#	US-PATENT-CLASS-350-199	c 14	N73-30393* #
US-PATENT-CLASS-343-779	c 10	N72-22235*	#	US-PATENT-CLASS-343-909	c 32	N80-14281*	#	US-PATENT-CLASS-350-199	c 14	N72-22441* #
US-PATENT-CLASS-343-779	c 07	N72-25174*	#	US-PATENT-CLASS-343-912	c 07	N72-21117*	#	US-PATENT-CLASS-350-1	c 23	N69-24332* #
US-PATENT-CLASS-343-779	c 32	N76-15329*	#	US-PATENT-CLASS-343-912	c 07	N72-22127*	#	US-PATENT-CLASS-350-1	c 07	N71-29065* #
US-PATENT-CLASS-343-779	c 33	N76-27472*	#	US-PATENT-CLASS-343-912	c 32	N76-18295*	#	US-PATENT-CLASS-350-1	c 16	N72-12440* #
US-PATENT-CLASS-343-781CA	c 32	N78-31321*	#	US-PATENT-CLASS-343-915	c 31	N71-16102*		US-PATENT-CLASS-350-1	c 24	N78-24363* #
US-PATENT-CLASS-343-781P	c 46	N82-								

US-PATENT-CLASS-350-26	c 14	N72-22441* #	US-PATENT-CLASS-350-96R	c 60	N77-14751* #	US-PATENT-CLASS-356-166	c 14	N71-23175*
US-PATENT-CLASS-350-270	c 70	N74-21300* #	US-PATENT-CLASS-350-96R	c 60	N77-32731* #	US-PATENT-CLASS-356-167	c 14	N72-11364*
US-PATENT-CLASS-350-275	c 09	N71-19479*	US-PATENT-CLASS-350-96R	c 60	N78-10709* #	US-PATENT-CLASS-356-167	c 66	N76-19888* #
US-PATENT-CLASS-350-285	c 14	N71-15605* #	US-PATENT-CLASS-350-96WG	c 36	N75-31427* #	US-PATENT-CLASS-356-167	c 74	N78-27904* #
US-PATENT-CLASS-350-285	c 14	N71-17662*	US-PATENT-CLASS-350-96WG	c 36	N76-18428* #	US-PATENT-CLASS-356-169	c 60	N78-10709* #
US-PATENT-CLASS-350-285	c 19	N71-26674*	US-PATENT-CLASS-350-96WG	c 36	N76-24553* #	US-PATENT-CLASS-356-171	c 74	N77-22950* #
US-PATENT-CLASS-350-285	c 15	N72-11386*	US-PATENT-CLASS-350-96	c 07	N71-26291*	US-PATENT-CLASS-356-172	c 16	N73-33397* #
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US-PATENT-CLASS-350-285	c 74	N74-15095* #	US-PATENT-CLASS-351-23	c 05	N73-26072* #	US-PATENT-CLASS-356-172	c 74	N77-22951* #
US-PATENT-CLASS-350-285	c 74	N80-21138* #	US-PATENT-CLASS-351-23	c 52	N76-30793* #	US-PATENT-CLASS-356-17	c 14	N72-21409* #
US-PATENT-CLASS-350-286	c 07	N71-29065*	US-PATENT-CLASS-351-30	c 05	N73-26072* #	US-PATENT-CLASS-356-180	c 35	N74-27860* #
US-PATENT-CLASS-350-286	c 73	N78-32848* #	US-PATENT-CLASS-351-30	c 52	N76-30793* #	US-PATENT-CLASS-356-186	c 35	N75-19613* #
US-PATENT-CLASS-350-286	c 74	N83-10900* #	US-PATENT-CLASS-351-36	c 05	N73-26072* #	US-PATENT-CLASS-356-189	c 35	N75-19613* #
US-PATENT-CLASS-350-287	c 15	N72-11386*	US-PATENT-CLASS-351-36	c 52	N76-30793* #	US-PATENT-CLASS-356-18	c 14	N72-21409* #
US-PATENT-CLASS-350-287	c 74	N83-13978* #	US-PATENT-CLASS-351-38	c 54	N75-27759* #	US-PATENT-CLASS-356-197	c 37	N74-18123* #
US-PATENT-CLASS-350-288	c 23	N71-29123*	US-PATENT-CLASS-352-169	c 14	N73-14427* #	US-PATENT-CLASS-356-199	c 36	N78-14380* #
US-PATENT-CLASS-350-288	c 12	N76-15189* #	US-PATENT-CLASS-352-171	c 35	N82-26628* #	US-PATENT-CLASS-356-201	c 75	N74-30155* #
US-PATENT-CLASS-350-288	c 74	N77-28993* #	US-PATENT-CLASS-352-84	c 16	N71-33410* #	US-PATENT-CLASS-356-201	c 35	N77-14411* #
US-PATENT-CLASS-350-288	c 44	N79-11471* #	US-PATENT-CLASS-352-84	c 14	N72-18411* #	US-PATENT-CLASS-356-202	c 26	N73-26751* #
US-PATENT-CLASS-350-288	c 44	N79-24433* #	US-PATENT-CLASS-353-54	c 34	N74-23066* #	US-PATENT-CLASS-356-203	c 14	N71-26788* #
US-PATENT-CLASS-350-292	c 35	N75-12273* #	US-PATENT-CLASS-353-61	c 34	N74-23066* #	US-PATENT-CLASS-356-204	c 35	N77-14411* #
US-PATENT-CLASS-350-292	c 44	N79-14529* #	US-PATENT-CLASS-354-118	c 74	N81-17886* #	US-PATENT-CLASS-356-204	c 74	N78-17867* #
US-PATENT-CLASS-350-292	c 44	N79-24432* #	US-PATENT-CLASS-354-217	c 35	N82-26628* #	US-PATENT-CLASS-356-207	c 45	N76-17656* #
US-PATENT-CLASS-350-293	c 16	N73-16536* #	US-PATENT-CLASS-354-234	c 33	N74-20861* #	US-PATENT-CLASS-356-208	c 74	N78-33913* #
US-PATENT-CLASS-350-293	c 12	N76-15189* #	US-PATENT-CLASS-354-234	c 70	N74-21300* #	US-PATENT-CLASS-356-209	c 23	N71-16341* #
US-PATENT-CLASS-350-293	c 44	N76-24696* #	US-PATENT-CLASS-354-289	c 35	N82-26628* #	US-PATENT-CLASS-356-209	c 14	N71-28993* #
US-PATENT-CLASS-350-293	c 44	N78-10554* #	US-PATENT-CLASS-354-77	c 74	N79-20856* #	US-PATENT-CLASS-356-209	c 14	N72-17323* #
US-PATENT-CLASS-350-293	c 44	N79-14529* #	US-PATENT-CLASS-355-18	c 14	N73-33361* #	US-PATENT-CLASS-356-209	c 35	N76-31490* #
US-PATENT-CLASS-350-294	c 89	N79-10969* #	US-PATENT-CLASS-356-103	c 14	N71-28994* #	US-PATENT-CLASS-356-210	c 74	N79-11665* #
US-PATENT-CLASS-350-294	c 44	N79-24432* #	US-PATENT-CLASS-356-103	c 36	N75-15028* #	US-PATENT-CLASS-356-212	c 35	N77-31465* #
US-PATENT-CLASS-350-294	c 32	N80-24510* #	US-PATENT-CLASS-356-103	c 74	N78-13874* #	US-PATENT-CLASS-356-213	c 39	N81-25400* #
US-PATENT-CLASS-350-295	c 44	N77-32583* #	US-PATENT-CLASS-356-104	c 16	N71-24074* #	US-PATENT-CLASS-356-216	c 74	N74-15095* #
US-PATENT-CLASS-350-295	c 44	N80-14473* #	US-PATENT-CLASS-356-104	c 74	N78-13874* #	US-PATENT-CLASS-356-216	c 35	N80-18359* #
US-PATENT-CLASS-350-296	c 44	N79-24432* #	US-PATENT-CLASS-356-106LR	c 36	N75-19653* #	US-PATENT-CLASS-356-216	c 39	N81-25400* #
US-PATENT-CLASS-350-296	c 44	N80-14473* #	US-PATENT-CLASS-356-106R	c 72	N74-19310* #	US-PATENT-CLASS-356-222	c 03	N72-20033* #
US-PATENT-CLASS-350-299	c 74	N74-21304* #	US-PATENT-CLASS-356-106R	c 36	N76-14447* #	US-PATENT-CLASS-356-234	c 39	N81-25400* #
US-PATENT-CLASS-350-299	c 44	N76-24696* #	US-PATENT-CLASS-356-106R	c 35	N77-10493* #	US-PATENT-CLASS-356-236	c 74	N77-21941* #
US-PATENT-CLASS-350-299	c 74	N77-28932* #	US-PATENT-CLASS-356-106R	c 47	N77-10753* #	US-PATENT-CLASS-356-237	c 74	N77-10899* #
US-PATENT-CLASS-350-299	c 44	N78-10554* #	US-PATENT-CLASS-356-106S	c 23	N73-13661* #	US-PATENT-CLASS-356-237	c 38	N78-17395* #
US-PATENT-CLASS-350-299	c 44	N78-31526* #	US-PATENT-CLASS-356-106S	c 35	N76-31490* #	US-PATENT-CLASS-356-237	c 38	N78-17396* #
US-PATENT-CLASS-350-299	c 44	N79-11471* #	US-PATENT-CLASS-356-106S	c 35	N78-18391* #	US-PATENT-CLASS-356-237	c 35	N79-28527* #
US-PATENT-CLASS-350-299	c 44	N79-24433* #	US-PATENT-CLASS-356-106S	c 35	N74-23040* #	US-PATENT-CLASS-356-239	c 74	N77-10899* #
US-PATENT-CLASS-350-302	c 23	N71-30027*	US-PATENT-CLASS-356-106	c 14	N71-17627*	US-PATENT-CLASS-356-241	c 14	N72-32452* #
US-PATENT-CLASS-350-3-5	c 16	N71-15551*	US-PATENT-CLASS-356-106	c 14	N71-17655*	US-PATENT-CLASS-356-243	c 36	N80-16321* #
US-PATENT-CLASS-350-3-5	c 16	N71-15565*	US-PATENT-CLASS-356-106	c 14	N71-27215*	US-PATENT-CLASS-356-244	c 14	N72-17323* #
US-PATENT-CLASS-350-3-5	c 16	N71-15667*	US-PATENT-CLASS-356-106	c 14	N73-12446* #	US-PATENT-CLASS-356-244	c 35	N76-31490* #
US-PATENT-CLASS-350-3-5	c 16	N71-26154*	US-PATENT-CLASS-356-106	c 35	N74-15146* #	US-PATENT-CLASS-356-244	c 35	N80-28687* #
US-PATENT-CLASS-350-3-5	c 16	N71-29131*	US-PATENT-CLASS-356-107	c 16	N71-24170*	US-PATENT-CLASS-356-246	c 35	N74-27860* #
US-PATENT-CLASS-350-3-5	c 14	N72-17324* #	US-PATENT-CLASS-356-108	c 26	N73-26751* #	US-PATENT-CLASS-356-246	c 74	N78-17867* #
US-PATENT-CLASS-350-3-5	c 16	N73-30476* #	US-PATENT-CLASS-356-108	c 16	N73-30476* #	US-PATENT-CLASS-356-248	c 14	N72-22444* #
US-PATENT-CLASS-350-3-5	c 35	N74-15146*	US-PATENT-CLASS-356-109	c 16	N73-30476* #	US-PATENT-CLASS-356-248	c 32	N80-24510* #
US-PATENT-CLASS-350-3-5	c 35	N74-17153*	US-PATENT-CLASS-356-110	c 14	N73-25463*	US-PATENT-CLASS-356-248	c 36	N81-24422* #
US-PATENT-CLASS-350-301	c 35	N74-26946* #	US-PATENT-CLASS-356-110	c 35	N78-18391* #	US-PATENT-CLASS-356-248	c 36	N82-32712* #
US-PATENT-CLASS-350-3-5	c 35	N75-25124*	US-PATENT-CLASS-356-112	c 72	N74-19310* #	US-PATENT-CLASS-356-248	c 21	N71-19212* #
US-PATENT-CLASS-350-3-5	c 35	N75-27328* #	US-PATENT-CLASS-356-113	c 14	N72-17323* #	US-PATENT-CLASS-356-248	c 16	N71-24828* #
US-PATENT-CLASS-350-3-5	c 35	N76-18402*	US-PATENT-CLASS-356-113	c 35	N74-23040* #	US-PATENT-CLASS-356-248	c 72	N74-19310* #
US-PATENT-CLASS-350-3-5	c 35	N78-17357*	US-PATENT-CLASS-356-114	c 14	N73-12446* #	US-PATENT-CLASS-356-248	c 36	N75-15028* #
US-PATENT-CLASS-350-3-5	c 38	N78-32447*	US-PATENT-CLASS-356-114	c 35	N76-31490* #	US-PATENT-CLASS-356-248	c 35	N75-16783* #
US-PATENT-CLASS-350-301	c 74	N81-17886* #	US-PATENT-CLASS-356-117	c 23	N71-16101*	US-PATENT-CLASS-356-248	c 36	N76-14447* #
US-PATENT-CLASS-350-310	c 11	N69-24321*	US-PATENT-CLASS-356-120	c 74	N78-27904* #	US-PATENT-CLASS-356-248	c 36	N77-25501* #
US-PATENT-CLASS-350-310	c 23	N71-24868*	US-PATENT-CLASS-356-123	c 74	N76-19935* #	US-PATENT-CLASS-356-248	c 74	N78-17866* #
US-PATENT-CLASS-350-310	c 23	N71-29123*	US-PATENT-CLASS-356-124	c 74	N76-19935* #	US-PATENT-CLASS-356-248	c 35	N79-18296* #
US-PATENT-CLASS-350-310	c 23	N71-32329*	US-PATENT-CLASS-356-124	c 14	N79-11865* #	US-PATENT-CLASS-356-248	c 36	N80-16321* #
US-PATENT-CLASS-350-310	c 23	N72-22673*	US-PATENT-CLASS-356-129	c 74	N79-20856* #	US-PATENT-CLASS-356-300	c 43	N79-17288* #
US-PATENT-CLASS-350-310	c 74	N77-28933*	US-PATENT-CLASS-356-138	c 14	N72-20379* #	US-PATENT-CLASS-356-328	c 35	N80-26635* #
US-PATENT-CLASS-350-311	c 74	N75-25706*	US-PATENT-CLASS-356-138	c 16	N73-33397* #	US-PATENT-CLASS-356-32	c 14	N72-11364* #
US-PATENT-CLASS-350-312	c 16	N72-12440*	US-PATENT-CLASS-356-141	c 14	N72-27409* #	US-PATENT-CLASS-356-32	c 32	N73-20740* #
US-PATENT-CLASS-350-320	c 74	N77-28933*	US-PATENT-CLASS-356-141	c 14	N73-28490* #	US-PATENT-CLASS-356-32	c 39	N81-25400* #
US-PATENT-CLASS-350-320	c 44	N77-32583*	US-PATENT-CLASS-356-141	c 36	N74-21091* #	US-PATENT-CLASS-356-334	c 74	N80-21140* #
US-PATENT-CLASS-350-320	c 73	N78-32448*	US-PATENT-CLASS-356-141	c 89	N74-30886* #	US-PATENT-CLASS-356-345	c 74	N81-17888* #
US-PATENT-CLASS-350-320	c 44	N79-14529* #	US-PATENT-CLASS-356-141	c 74	N77-22951* #	US-PATENT-CLASS-356-345	c 74	N81-29963* #
US-PATENT-CLASS-350-353	c 74	N83-19597*	US-PATENT-CLASS-356-147	c 89	N74-30886* #	US-PATENT-CLASS-356-346	c 35	N80-20563* #
US-PATENT-CLASS-350-358	c 36	N82-29589*	US-PATENT-CLASS-356-148	c 16	N73-33397* #	US-PATENT-CLASS-356-346	c 74	N81-29963* #
US-PATENT-CLASS-350-359	c 36	N80-16321*	US-PATENT-CLASS-356-150	c 15	N71-28740*	US-PATENT-CLASS-356-349	c 36	N82-16396* #
US-PATENT-CLASS-350-353	c 14	N72-22441*	US-PATENT-CLASS-356-150	c 74	N80-21138*	US-PATENT-CLASS-356-349	c 35	N81-33448* #
US-PATENT-CLASS-350-36	c 14	N72-22441*	US-PATENT-CLASS-356-152	c 14	N71-28740*	US-PATENT-CLASS-356-351	c 35	N81-33448* #
US-PATENT-CLASS-350-370	c 35	N81-33448*	US-PATENT-CLASS-356-152	c 15	N71-28740*	US-PATENT-CLASS-356-352	c 74	N81-17888* #
US-PATENT-CLASS-350-453	c 36	N82-32712*	US-PATENT-CLASS-356-152	c 14	N72-20379* #	US-PATENT-CLASS-356-356	c 36	N81-24422* #
US-PATENT-CLASS-350-486	c 74	N83-13978*	US-PATENT-CLASS-356-152	c 14	N72-27409* #	US-PATENT-CLASS-356-357	c 74	N83-21949* #
US-PATENT-CLASS-350-49	c 14	N72-22441*	US-PATENT-CLASS-356-152	c 14	N73-25462*	US-PATENT-CLASS-356-358	c 74	N81-17888* #
US-PATENT-CLASS-350-52	c 14	N72-22441*	US-PATENT-CLASS-356-152	c 36	N74-15145*	US-PATENT-CLASS-356-358	c 36	N81-24422* #
US-PATENT-CLASS-350-52	c 14	N72-22444*	US-PATENT-CLASS-356-152	c 36	N74-21091*	US-PATENT-CLASS-356-369	c 35	N80-28687* #
US-PATENT-CLASS-350-55	c 23	N71-33229*	US-PATENT-CLASS-356-152	c 15	N71-28740*	US-PATENT-CLASS-356-369	c 52	N81-27783* #
US-PATENT-CLASS-350-55	c 14	N73-30393*	US-PATENT-CLASS-356-152	c 16	N73-33397*	US-PATENT-CLASS-356-36	c 23	N71-16365*
US-PATENT-CLASS-350-55	c 23	N73-30666*	US-PATENT-CLASS-356-152	c 74	N77-22951*	US-PATENT-CLASS-356-37	c 45	N76-21742* #
US-PATENT-CLASS-350-55	c 23	N73-30666*	US-PATENT-CLASS-356-152	c 74	N80-21138*	US-PATENT-CLASS-356-386	c 36	N82-16396* #
US-PATENT-CLASS-350-55	c 89	N79-10969*	US-PATENT					

US-PATENT-CLASS-356-43	c 75	N74-30156*	#	US-PATENT-CLASS-358-109	c 33	N81-33403*	#	US-PATENT-CLASS-364-900	c 60	N79-20751*	#
US-PATENT-CLASS-356-4	c 14	N72-17326*	#	US-PATENT-CLASS-358-109	c 43	N82-13465*	#	US-PATENT-CLASS-364-900	c 60	N81-27814*	#
US-PATENT-CLASS-356-4	c 07	N73-26119*	#	US-PATENT-CLASS-358-111	c 52	N79-10724*	#	US-PATENT-CLASS-365-120	c 33	N81-29342*	#
US-PATENT-CLASS-356-4	c 36	N74-15145*	#	US-PATENT-CLASS-358-133	c 32	N77-24328*	#	US-PATENT-CLASS-367-100	c 32	N82-18443*	#
US-PATENT-CLASS-356-4	c 35	N75-15014*	#	US-PATENT-CLASS-358-138	c 32	N77-24328*	#	US-PATENT-CLASS-367-102	c 32	N82-18443*	#
US-PATENT-CLASS-356-51	c 06	N72-31141*	#	US-PATENT-CLASS-358-142	c 74	N78-14889*	#	US-PATENT-CLASS-367-181	c 33	N82-26572*	#
US-PATENT-CLASS-356-51	c 35	N75-30502*	#	US-PATENT-CLASS-358-213	c 33	N81-33403*	#	US-PATENT-CLASS-367-26	c 39	N80-10507*	#
US-PATENT-CLASS-356-51	c 35	N83-21311*	#	US-PATENT-CLASS-358-213	c 33	N82-24416*	#	US-PATENT-CLASS-367-27	c 31	N80-32584*	#
US-PATENT-CLASS-356-5	c 07	N73-26119*	#	US-PATENT-CLASS-358-225	c 74	N78-17865*	#	US-PATENT-CLASS-367-36	c 31	N80-32584*	#
US-PATENT-CLASS-356-5	c 36	N74-15145*	#	US-PATENT-CLASS-358-36	c 32	N75-21485*	#	US-PATENT-CLASS-367-57	c 31	N80-32584*	#
US-PATENT-CLASS-356-5	c 36	N75-15028*	#	US-PATENT-CLASS-358-41	c 74	N78-17865*	#	US-PATENT-CLASS-367-88	c 32	N82-18443*	#
US-PATENT-CLASS-356-5	c 32	N82-23376*	#	US-PATENT-CLASS-358-44	c 74	N77-18893*	#	US-PATENT-CLASS-367-95	c 32	N82-23376*	#
US-PATENT-CLASS-356-71	c 66	N78-19888*	#	US-PATENT-CLASS-358-55	c 74	N78-17865*	#	US-PATENT-CLASS-368-47	c 33	N81-14221*	#
US-PATENT-CLASS-356-72	c 14	N71-23268*	#	US-PATENT-CLASS-358-81	c 32	N79-20297*	#	US-PATENT-CLASS-37N	c 27	N81-15104*	#
US-PATENT-CLASS-356-72	c 33	N73-27796*	#	US-PATENT-CLASS-358-96	c 52	N79-10724*	#	US-PATENT-CLASS-370-100	c 60	N82-16747*	#
US-PATENT-CLASS-356-72	c 38	N78-32447*	#	US-PATENT-CLASS-36-119	c 54	N78-17675*	#	US-PATENT-CLASS-370-58	c 60	N81-27814*	#
US-PATENT-CLASS-356-72	c 74	N80-33210*	#	US-PATENT-CLASS-36-92	c 54	N78-17675*	#	US-PATENT-CLASS-370-67	c 33	N82-29538*	#
US-PATENT-CLASS-356-73	c 75	N74-30156*	#	US-PATENT-CLASS-360-101	c 35	N76-16391*	#	US-PATENT-CLASS-370-85	c 33	N81-14221*	#
US-PATENT-CLASS-356-73	c 38	N78-32447*	#	US-PATENT-CLASS-360-10	c 35	N76-16391*	#	US-PATENT-CLASS-371-20	c 33	N81-26359*	#
US-PATENT-CLASS-356-74	c 30	N71-15990*	#	US-PATENT-CLASS-360-25	c 35	N77-17426*	#	US-PATENT-CLASS-371-25	c 33	N81-26359*	#
US-PATENT-CLASS-356-76	c 23	N71-26206*	#	US-PATENT-CLASS-360-26	c 33	N76-18353*	#	US-PATENT-CLASS-371-68	c 60	N82-29013*	#
US-PATENT-CLASS-356-76	c 14	N71-29041*	#	US-PATENT-CLASS-360-31	c 35	N77-17426*	#	US-PATENT-CLASS-371-6	c 32	N83-13323*	#
US-PATENT-CLASS-356-83	c 35	N75-19613*	#	US-PATENT-CLASS-360-35	c 35	N76-16391*	#	US-PATENT-CLASS-372-56	c 36	N82-28616*	#
US-PATENT-CLASS-356-85	c 37	N74-18123*	#	US-PATENT-CLASS-360-51	c 33	N76-18353*	#	US-PATENT-CLASS-372-56	c 36	N83-10417*	#
US-PATENT-CLASS-356-85	c 75	N74-30156*	#	US-PATENT-CLASS-360-9	c 35	N76-16391*	#	US-PATENT-CLASS-372-58	c 36	N82-28616*	#
US-PATENT-CLASS-356-87	c 75	N74-30156*	#	US-PATENT-CLASS-361-141	c 33	N82-11357*	#	US-PATENT-CLASS-372-59	c 36	N83-10417*	#
US-PATENT-CLASS-356-96	c 35	N75-19613*	#	US-PATENT-CLASS-361-170	c 33	N79-28415*	#	US-PATENT-CLASS-372-60	c 36	N83-10417*	#
US-PATENT-CLASS-356-97	c 35	N77-14411*	#	US-PATENT-CLASS-361-226	c 28	N82-18401*	#	US-PATENT-CLASS-372-82	c 36	N82-28616*	#
US-PATENT-CLASS-357-15	c 44	N78-13526*	#	US-PATENT-CLASS-361-230	c 28	N82-18401*	#	US-PATENT-CLASS-374-122	c 06	N83-10040*	#
US-PATENT-CLASS-357-15	c 44	N79-11467*	#	US-PATENT-CLASS-361-283	c 33	N82-26572*	#	US-PATENT-CLASS-374-123	c 06	N83-10040*	#
US-PATENT-CLASS-357-15	c 44	N81-29525*	#	US-PATENT-CLASS-361-334	c 35	N81-26431*	#	US-PATENT-CLASS-374-162R	c 74	N82-30071*	#
US-PATENT-CLASS-357-18	c 44	N78-13526*	#	US-PATENT-CLASS-361-395	c 32	N78-24391*	#	US-PATENT-CLASS-375-104	c 35	N81-19427*	#
US-PATENT-CLASS-357-18	c 44	N79-11487*	#	US-PATENT-CLASS-361-56	c 33	N81-27397*	#	US-PATENT-CLASS-375-106	c 60	N82-16747*	#
US-PATENT-CLASS-357-22	c 33	N79-13134*	#	US-PATENT-CLASS-361-91	c 33	N81-27397*	#	US-PATENT-CLASS-375-106	c 32	N82-31583*	#
US-PATENT-CLASS-357-22	c 33	N79-13231*	#	US-PATENT-CLASS-362-111	c 74	N81-17886*	#	US-PATENT-CLASS-375-107	c 32	N81-14186*	#
US-PATENT-CLASS-357-23	c 76	N75-25730*	#	US-PATENT-CLASS-362-241	c 74	N81-17886*	#	US-PATENT-CLASS-375-114	c 60	N82-16747*	#
US-PATENT-CLASS-357-23	c 33	N79-13231*	#	US-PATENT-CLASS-362-269	c 17	N78-17140*	#	US-PATENT-CLASS-375-115	c 32	N81-15179*	#
US-PATENT-CLASS-357-23	c 33	N81-26360*	#	US-PATENT-CLASS-363-101	c 33	N78-32341*	#	US-PATENT-CLASS-375-116	c 60	N82-16747*	#
US-PATENT-CLASS-357-24	c 33	N75-13131*	#	US-PATENT-CLASS-363-101	c 33	N81-19392*	#	US-PATENT-CLASS-375-1	c 32	N81-15179*	#
US-PATENT-CLASS-357-29	c 76	N75-25730*	#	US-PATENT-CLASS-363-132	c 33	N82-18494*	#	US-PATENT-CLASS-375-1	c 35	N81-19427*	#
US-PATENT-CLASS-357-30	c 44	N76-28635*	#	US-PATENT-CLASS-363-134	c 33	N79-24257*	#	US-PATENT-CLASS-375-1	c 33	N81-33405*	#
US-PATENT-CLASS-357-30	c 44	N78-13526*	#	US-PATENT-CLASS-363-147	c 44	N81-12542*	#	US-PATENT-CLASS-375-34	c 35	N81-19427*	#
US-PATENT-CLASS-357-30	c 44	N78-24609*	#	US-PATENT-CLASS-363-16	c 33	N78-32341*	#	US-PATENT-CLASS-375-54	c 33	N81-15192*	#
US-PATENT-CLASS-357-30	c 44	N78-25527*	#	US-PATENT-CLASS-363-17	c 33	N82-18494*	#	US-PATENT-CLASS-375-58	c 32	N81-15179*	#
US-PATENT-CLASS-357-30	c 44	N79-11467*	#	US-PATENT-CLASS-363-21	c 33	N81-19393*	#	US-PATENT-CLASS-375-67	c 33	N81-15192*	#
US-PATENT-CLASS-357-30	c 44	N79-14528*	#	US-PATENT-CLASS-363-21	c 33	N81-19393*	#	US-PATENT-CLASS-375-99	c 35	N81-19427*	#
US-PATENT-CLASS-357-30	c 44	N79-31752*	#	US-PATENT-CLASS-363-24	c 33	N81-33404*	#	US-PATENT-CLASS-378-2	c 34	N83-19015*	#
US-PATENT-CLASS-357-30	c 44	N80-29835*	#	US-PATENT-CLASS-363-27	c 44	N81-12542*	#	US-PATENT-CLASS-378-43	c 34	N83-19015*	#
US-PATENT-CLASS-357-30	c 44	N81-19558*	#	US-PATENT-CLASS-363-36	c 33	N81-19393*	#	US-PATENT-CLASS-4-10	c 54	N74-20725*	#
US-PATENT-CLASS-357-30	c 44	N81-29525*	#	US-PATENT-CLASS-363-40	c 33	N81-19393*	#	US-PATENT-CLASS-4-110	c 05	N72-22093*	#
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US-PATENT-CLASS-427-41	c 27	N78-31233* #	US-PATENT-CLASS-428-303	c 27	N78-15310* #	US-PATENT-CLASS-428-528	c 24	N81-13999* #
US-PATENT-CLASS-427-41	c 74	N78-32854* #	US-PATENT-CLASS-428-307 7	c 27	N82-29456* #	US-PATENT-CLASS-428-538	c 27	N76-22377* #
US-PATENT-CLASS-427-41	c 27	N79-14214* #	US-PATENT-CLASS-428-311 5	c 27	N82-29456* #	US-PATENT-CLASS-428-538	c 27	N76-23426* #
US-PATENT-CLASS-427-41	c 27	N79-18052* #	US-PATENT-CLASS-428-312 6	c 27	N82-29456* #	US-PATENT-CLASS-428-538	c 27	N78-31233* #
US-PATENT-CLASS-427-41	c 27	N80-23452* #	US-PATENT-CLASS-428-312	c 27	N78-32260* #	US-PATENT-CLASS-428-539	c 27	N76-16229* #
US-PATENT-CLASS-427-423	c 34	N78-18355* #	US-PATENT-CLASS-428-313	c 24	N78-27180* #	US-PATENT-CLASS-428-541	c 24	N81-13999* #
US-PATENT-CLASS-427-423	c 27	N82-29453* #	US-PATENT-CLASS-428-317 9	c 27	N82-29456* #	US-PATENT-CLASS-428-593	c 24	N82-24296* #
US-PATENT-CLASS-427-425	c 37	N82-24492* #	US-PATENT-CLASS-428-325	c 27	N78-32260* #	US-PATENT-CLASS-428-594	c 24	N82-24296* #
US-PATENT-CLASS-427-426	c 27	N76-15310* #	US-PATENT-CLASS-428-325	c 27	N82-29456* #	US-PATENT-CLASS-428-594	c 24	N82-32417* #
US-PATENT-CLASS-427-427	c 24	N78-24290* #	US-PATENT-CLASS-428-328	c 24	N77-27188* #	US-PATENT-CLASS-428-604	c 24	N82-24296* #
US-PATENT-CLASS-427-429	c 27	N81-14078* #	US-PATENT-CLASS-428-331	c 27	N78-32260* #	US-PATENT-CLASS-428-604	c 24	N82-32417* #
US-PATENT-CLASS-427-44	c 74	N78-32854* #	US-PATENT-CLASS-428-331	c 27	N83-18908* #	US-PATENT-CLASS-428-607	c 24	N82-32417* #
US-PATENT-CLASS-427-44	c 27	N80-32516* #	US-PATENT-CLASS-428-332	c 27	N76-22377* #	US-PATENT-CLASS-428-608	c 24	N82-32417* #
US-PATENT-CLASS-427-47	c 44	N77-32583* #	US-PATENT-CLASS-428-332	c 27	N76-23426* #	US-PATENT-CLASS-428-629	c 44	N80-16452* #
US-PATENT-CLASS-427-4	c 51	N77-27677* #	US-PATENT-CLASS-428-332	c 24	N78-27180* #	US-PATENT-CLASS-428-632	c 26	N81-25188* #
US-PATENT-CLASS-427-531	c 44	N82-28780* #	US-PATENT-CLASS-428-332	c 27	N79-12221* #	US-PATENT-CLASS-428-633	c 34	N78-18355* #
US-PATENT-CLASS-427-74	c 44	N82-28780* #	US-PATENT-CLASS-428-332	c 24	N79-25142* #	US-PATENT-CLASS-428-633	c 24	N83-13172* #
US-PATENT-CLASS-427-75	c 44	N78-25527* #	US-PATENT-CLASS-428-332	c 27	N82-24340* #	US-PATENT-CLASS-428-650	c 44	N80-16452* #
US-PATENT-CLASS-427-75	c 44	N79-11468* #	US-PATENT-CLASS-428-334	c 74	N78-15879* #	US-PATENT-CLASS-428-652	c 34	N78-18355* #
US-PATENT-CLASS-427-75	c 44	N79-11472* #	US-PATENT-CLASS-428-336	c 74	N78-15879* #	US-PATENT-CLASS-428-652	c 44	N78-19599* #
US-PATENT-CLASS-427-84	c 44	N79-11472* #	US-PATENT-CLASS-428-339	c 27	N82-24340* #	US-PATENT-CLASS-428-658	c 44	N80-16452* #
US-PATENT-CLASS-427-86	c 44	N76-28635* #	US-PATENT-CLASS-428-341	c 27	N78-32260* #	US-PATENT-CLASS-428-667	c 34	N78-18355* #
US-PATENT-CLASS-427-86	c 44	N78-24609* #	US-PATENT-CLASS-428-35	c 34	N77-18382* #	US-PATENT-CLASS-428-667	c 44	N78-19599* #
US-PATENT-CLASS-427-88	c 44	N79-31752* #	US-PATENT-CLASS-428-366	c 24	N79-24062* #	US-PATENT-CLASS-428-675	c 44	N80-16452* #
US-PATENT-CLASS-427-88	c 44	N83-13579* #	US-PATENT-CLASS-428-367	c 27	N81-27272* #	US-PATENT-CLASS-428-678	c 26	N81-25188* #
US-PATENT-CLASS-427-89	c 44	N83-13579* #	US-PATENT-CLASS-428-368	c 24	N77-27188* #	US-PATENT-CLASS-428-679	c 44	N78-19599* #
US-PATENT-CLASS-427-90	c 44	N83-13579* #	US-PATENT-CLASS-428-368	c 27	N83-18908* #	US-PATENT-CLASS-428-679	c 26	N81-25188* #
US-PATENT-CLASS-427-91	c 44	N83-13579* #	US-PATENT-CLASS-428-375	c 24	N79-16915* #	US-PATENT-CLASS-428-680	c 44	N80-16452* #
US-PATENT-CLASS-427-95	c 25	N79-28253* #	US-PATENT-CLASS-428-406	c 27	N78-32260* #	US-PATENT-CLASS-428-680	c 26	N81-25188* #
US-PATENT-CLASS-428-109	c 27	N76-14264* #	US-PATENT-CLASS-428-408	c 27	N81-27272* #	US-PATENT-CLASS-428-71	c 24	N78-15180* #
US-PATENT-CLASS-428-109	c 33	N79-12331* #	US-PATENT-CLASS-428-411	c 27	N78-14164* #	US-PATENT-CLASS-428-73	c 24	N78-10214* #
US-PATENT-CLASS-428-113	c 24	N81-14000* #	US-PATENT-CLASS-428-411	c 27	N78-31233* #	US-PATENT-CLASS-428-73	c 24	N78-15180* #
US-PATENT-CLASS-428-114	c 24	N81-13999* #	US-PATENT-CLASS-428-411	c 27	N79-14214* #	US-PATENT-CLASS-428-73	c 24	N79-16915* #
US-PATENT-CLASS-428-114	c 24	N81-14000* #	US-PATENT-CLASS-428-412	c 27	N76-16230* #	US-PATENT-CLASS-428-77	c 27	N76-14264* #
US-PATENT-CLASS-428-116	c 24	N78-10214* #	US-PATENT-CLASS-428-412	c 27	N78-31233* #	US-PATENT-CLASS-428-77	c 27	N79-12221* #
US-PATENT-CLASS-428-116	c 24	N78-17149* #	US-PATENT-CLASS-428-412	c 74	N78-32854* #	US-PATENT-CLASS-428-902	c 24	N77-27188* #
US-PATENT-CLASS-428-117	c 37	N76-24575* #	US-PATENT-CLASS-428-412	c 27	N79-18052* #	US-PATENT-CLASS-428-902	c 24	N78-10214* #
US-PATENT-CLASS-428-117	c 24	N78-15180* #	US-PATENT-CLASS-428-413	c 27	N76-16230* #	US-PATENT-CLASS-428-902	c 24	N78-17149* #
US-PATENT-CLASS-428-117	c 24	N79-16915* #	US-PATENT-CLASS-428-413	c 15	N79-26100* #	US-PATENT-CLASS-428-902	c 24	N81-14000* #
US-PATENT-CLASS-428-119	c 24	N79-16915* #	US-PATENT-CLASS-428-413	c 24	N81-14000* #	US-PATENT-CLASS-428-902	c 31	N81-25258* #
US-PATENT-CLASS-428-133	c 37	N79-10422* #	US-PATENT-CLASS-428-414	c 15	N79-26100* #	US-PATENT-CLASS-428-902	c 27	N81-27272* #
US-PATENT-CLASS-428-137	c 24	N79-25142* #	US-PATENT-CLASS-428-416	c 27	N76-14264* #	US-PATENT-CLASS-428-902	c 27	N83-18908* #
US-PATENT-CLASS-428-138	c 24	N78-10214* #	US-PATENT-CLASS-428-418	c 24	N77-27188* #	US-PATENT-CLASS-428-911	c 27	N76-16230* #
US-PATENT-CLASS-428-139	c 23	N81-29160* #	US-PATENT-CLASS-428-418	c 15	N79-26100* #	US-PATENT-CLASS-428-911	c 24	N77-27188* #
US-PATENT-CLASS-428-140	c 24	N81-14000* #	US-PATENT-CLASS-428-421	c 34	N77-18382* #	US-PATENT-CLASS-428-913	c 34	N78-25350* #
US-PATENT-CLASS-428-141	c 24	N77-28225* #	US-PATENT-CLASS-428-421	c 15	N79-26100* #	US-PATENT-CLASS-428-913	c 27	N83-18908* #
US-PATENT-CLASS-428-141	c 27	N82-28440* #	US-PATENT-CLASS-428-421	c 27	N80-24437* #	US-PATENT-CLASS-428-920	c 27	N76-16230* #
US-PATENT-CLASS-428-141	c 27	N82-33521* #	US-PATENT-CLASS-428-422	c 27	N78-31233* #	US-PATENT-CLASS-428-920	c 27	N76-22377* #
US-PATENT-CLASS-428-161	c 24	N77-28225* #	US-PATENT-CLASS-428-425	c 24	N77-28225* #	US-PATENT-CLASS-428-920	c 27	N76-23426* #
US-PATENT-CLASS-428-189	c 27	N79-12221* #	US-PATENT-CLASS-428-426	c 74	N78-15879* #	US-PATENT-CLASS-428-920	c 24	N78-15180* #
US-PATENT-CLASS-428-192	c 27	N82-24339* #	US-PATENT-CLASS-428-427	c 27	N78-32260* #	US-PATENT-CLASS-428-920	c 27	N78-32260* #
US-PATENT-CLASS-428-193	c 27	N82-24339* #	US-PATENT-CLASS-428-428	c 27	N76-22377* #	US-PATENT-CLASS-428-920	c 27	N79-12221* #
US-PATENT-CLASS-428-212	c 27	N76-14264* #	US-PATENT-CLASS-428-428	c 27	N76-23426* #	US-PATENT-CLASS-428-920	c 24	N79-25142* #
US-PATENT-CLASS-428-212	c 27	N79-12221* #	US-PATENT-CLASS-428-428	c 74	N78-15879* #	US-PATENT-CLASS-428-920	c 15	N79-26100* #
US-PATENT-CLASS-428-212	c 27	N82-29456* #	US-PATENT-CLASS-428-428	c 27	N78-32260* #	US-PATENT-CLASS-428-920	c 27	N81-27272* #
US-PATENT-CLASS-428-214	c 27	N76-14264* #	US-PATENT-CLASS-428-446	c 27	N78-32260* #	US-PATENT-CLASS-428-920	c 27	N83-18908* #
US-PATENT-CLASS-428-218	c 27	N82-29456* #	US-PATENT-CLASS-428-446	c 27	N82-29456* #	US-PATENT-CLASS-428-921	c 27	N76-16230* #
US-PATENT-CLASS-428-218	c 24	N83-13171* #	US-PATENT-CLASS-428-447	c 27	N76-14264* #	US-PATENT-CLASS-428-921	c 24	N78-27180* #
US-PATENT-CLASS-428-220	c 15	N79-26100* #	US-PATENT-CLASS-428-447	c 27	N76-16230* #	US-PATENT-CLASS-428-921	c 24	N81-13999* #
US-PATENT-CLASS-428-241	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 27	N80-24437* #	US-PATENT-CLASS-428-920	c 27	N78-25350* #
US-PATENT-CLASS-428-241	c 27	N83-18908* #	US-PATENT-CLASS-428-447	c 27	N78-31233* #	US-PATENT-CLASS-428-920	c 27	N78-25350* #
US-PATENT-CLASS-428-242	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 27	N79-33316* #	US-PATENT-CLASS-428-93	c 34	N78-25350* #
US-PATENT-CLASS-428-244	c 27	N83-18908* #	US-PATENT-CLASS-428-447	c 27	N79-18052* #	US-PATENT-CLASS-428-941	c 27	N82-24411* #
US-PATENT-CLASS-428-245	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 24	N79-25142* #	US-PATENT-CLASS-428-944	c 34	N78-25350* #
US-PATENT-CLASS-428-245	c 27	N83-18908* #	US-PATENT-CLASS-428-447	c 27	N82-24339* #	US-PATENT-CLASS-428-945	c 34	N78-25350* #
US-PATENT-CLASS-428-247	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 27	N82-24339* #	US-PATENT-CLASS-428-946	c 34	N78-25350* #
US-PATENT-CLASS-428-247	c 27	N82-26571* #	US-PATENT-CLASS-428-450	c 27	N76-16229* #	US-PATENT-CLASS-428-947	c 34	N78-25350* #
US-PATENT-CLASS-428-251	c 27	N82-24339* #	US-PATENT-CLASS-428-450	c 27	N76-22377* #	US-PATENT-CLASS-429-101	c 44	N79-17313* #
US-PATENT-CLASS-428-257	c 27	N79-12331* #	US-PATENT-CLASS-428-450	c 27	N79-12221* #	US-PATENT-CLASS-429-101	c 33	N80-20487* #
US-PATENT-CLASS-428-258	c 33	N79-12331* #	US-PATENT-CLASS-428-451	c 27	N79-18052* #	US-PATENT-CLASS-429-105	c 44	N77-22606* #
US-PATENT-CLASS-428-259	c 33	N79-12331* #	US-PATENT-CLASS-428-451	c 27	N76-16229* #	US-PATENT-CLASS-429-105	c 33	N80-20487* #
US-PATENT-CLASS-428-260	c 27	N82-24339* #	US-PATENT-CLASS-428-452	c 24	N77-27188* #	US-PATENT-CLASS-429-107	c 44	N77-22606* #
US-PATENT-CLASS-428-260	c 27	N83-18908* #	US-PATENT-CLASS-428-452	c 24	N77-28225* #	US-PATENT-CLASS-429-107	c 33	N80-20487* #
US-PATENT-CLASS-428-263	c 27	N82-16238* #	US-PATENT-CLASS-428-452	c 26	N82-30371* #	US-PATENT-CLASS-429-109	c 33	N80-20487* #
US-PATENT-CLASS-428-264	c 27	N82-16238* #	US-PATENT-CLASS-428-458	c 24	N79-16915* #	US-PATENT-CLASS-429-139	c 27	N80-32516* #
US-PATENT-CLASS-428-265	c 27	N82-24339* #	US-PATENT-CLASS-428-461	c 34	N77-18382* #	US-PATENT-CLASS-429-139	c 27	N81-24257* #
US-PATENT-CLASS-428-266	c 27	N82-24339* #	US-PATENT-CLASS-428-462	c 27	N82-24340* #	US-PATENT-CLASS-429-139	c 44	N82-29710* #
US-PATENT-CLASS-428-267	c 27	N82-16238* #	US-PATENT-CLASS-428-462	c 27	N82-24340* #	US-PATENT-CLASS-429-143	c 44	N79-10513* #
US-PATENT-CLASS-428-272	c 27	N82-16238* #	US-PATENT-CLASS-428-466	c 27	N82-24340* #	US-PATENT-CLASS-429-144	c 44	N82-29708* #
US-PATENT-CLASS-428-280	c 27	N79-12221* #	US-PATENT-CLASS-428-469	c 27	N76-16229* #	US-PATENT-CLASS-429-15	c 44	N79-26474* #
US-PATENT-CLASS-428-282	c 24	N79-25142* #	US-PATENT-CLASS-428-471	c 26	N81-25188* #	US-PATENT-CLASS-429-160	c 44	N81-24521* #
US-PATENT-CLASS-428-283	c 24	N82-29362* #	US-PATENT-CLASS-428-472	c 26	N82-30371* #	US-PATENT-CLASS-429-164	c 44	N81-24521* #
US-PATENT-CLASS-428-283	c 27	N82-29456* #	US-PATENT-CLASS-428-473.5	c 27	N81-14078* #	US-PATENT-CLASS-429-190	c 44	N77-22606* #
US-PATENT-CLASS-428-284	c 24	N82-29362* #	US-PATENT-CLASS-428-473.5	c 27	N81-29229* #	US-PATENT-CLASS-429-193	c 44	N82-29710* #
US-PATENT-CLASS-428-285	c 27	N79-12						

US-PATENT-CLASS-429-253	c 27	N83-15465*	US-PATENT-CLASS-47-39	c 51	N75-25503*	US-PATENT-CLASS-521-124	c 25	N80-16116*
US-PATENT-CLASS-429-254	c 44	N78-25530*	US-PATENT-CLASS-47-58	c 51	N83-17045*	US-PATENT-CLASS-521-125	c 25	N80-16116*
US-PATENT-CLASS-429-254	c 44	N82-29708*	US-PATENT-CLASS-47-58	c 51	N83-17045*	US-PATENT-CLASS-521-127	c 25	N80-16116*
US-PATENT-CLASS-429-27	c 27	N81-24257*	US-PATENT-CLASS-47-205	c 37	N80-32717*	US-PATENT-CLASS-521-146	c 25	N80-23383*
US-PATENT-CLASS-429-27	c 23	N81-29160*	US-PATENT-CLASS-48-DIG 8	c 28	N80-10374*	US-PATENT-CLASS-521-157	c 25	N80-16116*
US-PATENT-CLASS-429-28	c 27	N81-24257*	US-PATENT-CLASS-48-10-3	c 28	N80-10374*	US-PATENT-CLASS-521-27	c 27	N81-14076*
US-PATENT-CLASS-429-28	c 23	N81-29160*	US-PATENT-CLASS-48-102A	c 28	N80-10374*	US-PATENT-CLASS-521-32	c 27	N81-14076*
US-PATENT-CLASS-429-33	c 44	N79-17313*	US-PATENT-CLASS-48-107	c 28	N80-10374*	US-PATENT-CLASS-521-55	c 25	N80-23383*
US-PATENT-CLASS-429-33	c 44	N82-29710*	US-PATENT-CLASS-48-116	c 44	N76-18642*	US-PATENT-CLASS-521-62	c 27	N81-14076*
US-PATENT-CLASS-429-34	c 44	N77-14581*	US-PATENT-CLASS-48-116	c 44	N77-10636*	US-PATENT-CLASS-521-918	c 25	N80-23383*
US-PATENT-CLASS-429-40	c 44	N82-29710*	US-PATENT-CLASS-48-117	c 44	N76-18642*	US-PATENT-CLASS-523-205	c 27	N83-19900*
US-PATENT-CLASS-429-41	c 44	N79-10513*	US-PATENT-CLASS-48-117	c 44	N77-10636*	US-PATENT-CLASS-524-436	c 27	N83-19900*
US-PATENT-CLASS-429-42	c 44	N79-10513*	US-PATENT-CLASS-48-117	c 28	N80-10374*	US-PATENT-CLASS-524-437	c 27	N83-19900*
US-PATENT-CLASS-429-94	c 44	N81-24521*	US-PATENT-CLASS-48-197R	c 44	N76-29704*	US-PATENT-CLASS-524-503	c 27	N83-19900*
US-PATENT-CLASS-430-17	c 35	N82-11432*	US-PATENT-CLASS-48-197R	c 44	N77-10636*	US-PATENT-CLASS-524-564	c 27	N83-19900*
US-PATENT-CLASS-430-271	c 27	N81-25209*	US-PATENT-CLASS-48-212	c 44	N77-10636*	US-PATENT-CLASS-524-786	c 27	N83-19900*
US-PATENT-CLASS-430-325	c 27	N81-25209*	US-PATENT-CLASS-48-215	c 44	N76-29700*	US-PATENT-CLASS-525-326	c 27	N80-24438*
US-PATENT-CLASS-430-329	c 27	N81-25209*	US-PATENT-CLASS-48-61	c 44	N77-10636*	US-PATENT-CLASS-525-336	c 27	N80-24438*
US-PATENT-CLASS-430-330	c 27	N81-25209*	US-PATENT-CLASS-48-61	c 28	N80-10374*	US-PATENT-CLASS-525-340	c 27	N80-24438*
US-PATENT-CLASS-430-372	c 35	N82-11432*	US-PATENT-CLASS-48-63	c 44	N76-18642*	US-PATENT-CLASS-525-374	c 27	N80-24438*
US-PATENT-CLASS-431-10	c 34	N78-27357*	US-PATENT-CLASS-48-75	c 44	N76-18642*	US-PATENT-CLASS-525-375	c 27	N80-24438*
US-PATENT-CLASS-431-10	c 25	N79-11151*	US-PATENT-CLASS-48-89	c 44	N82-16475*	US-PATENT-CLASS-525-384	c 28	N81-15119*
US-PATENT-CLASS-431-116	c 44	N77-10636*	US-PATENT-CLASS-48-95	c 44	N76-18642*	US-PATENT-CLASS-525-426	c 27	N80-26446*
US-PATENT-CLASS-431-11	c 44	N77-10636*	US-PATENT-CLASS-48-95	c 44	N76-29700*	US-PATENT-CLASS-525-4	c 25	N80-23383*
US-PATENT-CLASS-431-158	c 25	N78-10224*	US-PATENT-CLASS-48-99	c 44	N82-16475*	US-PATENT-CLASS-525-56	c 23	N81-29160*
US-PATENT-CLASS-431-162	c 44	N77-10636*	US-PATENT-CLASS-49-DIG 1	c 34	N78-25350*	US-PATENT-CLASS-525-61	c 27	N81-24257*
US-PATENT-CLASS-431-163	c 44	N76-29704*	US-PATENT-CLASS-49-171	c 31	N81-19343*	US-PATENT-CLASS-525-61	c 23	N81-29160*
US-PATENT-CLASS-431-170	c 34	N77-10636*	US-PATENT-CLASS-49-479	c 34	N78-25350*	US-PATENT-CLASS-525-61	c 25	N83-13188*
US-PATENT-CLASS-431-173	c 23	N73-30665*	US-PATENT-CLASS-49-485	c 34	N78-25350*	US-PATENT-CLASS-525-61	c 27	N83-15465*
US-PATENT-CLASS-431-202	c 25	N74-33378*	US-PATENT-CLASS-49-68	c 18	N74-22136*	US-PATENT-CLASS-526-13	c 27	N78-32256*
US-PATENT-CLASS-431-208	c 25	N79-11151*	US-PATENT-CLASS-5-345	c 05	N70-33285*	US-PATENT-CLASS-526-193	c 27	N78-15276*
US-PATENT-CLASS-431-210	c 44	N76-29704*	US-PATENT-CLASS-5-69	c 05	N72-11085*	US-PATENT-CLASS-526-1	c 27	N76-24405*
US-PATENT-CLASS-431-2	c 07	N81-29129*	US-PATENT-CLASS-5-82	c 05	N71-23159*	US-PATENT-CLASS-526-201	c 25	N81-19424*
US-PATENT-CLASS-431-328	c 28	N78-27357*	US-PATENT-CLASS-51-170	c 15	N71-26134*	US-PATENT-CLASS-526-225	c 27	N78-15276*
US-PATENT-CLASS-431-352	c 28	N71-28915*	US-PATENT-CLASS-51-216	c 15	N72-20444*	US-PATENT-CLASS-526-23	c 27	N78-32256*
US-PATENT-CLASS-431-352	c 25	N78-10224*	US-PATENT-CLASS-51-225	c 37	N74-27905*	US-PATENT-CLASS-526-255	c 27	N76-24405*
US-PATENT-CLASS-431-41	c 44	N77-10636*	US-PATENT-CLASS-51-234	c 37	N74-27905*	US-PATENT-CLASS-526-261	c 27	N80-24438*
US-PATENT-CLASS-431-4	c 44	N76-29704*	US-PATENT-CLASS-51-235	c 37	N78-17383*	US-PATENT-CLASS-526-262	c 27	N81-27272*
US-PATENT-CLASS-431-7	c 34	N78-27357*	US-PATENT-CLASS-51-235	c 76	N80-18951*	US-PATENT-CLASS-526-275	c 27	N78-32256*
US-PATENT-CLASS-431-9	c 23	N73-30665*	US-PATENT-CLASS-51-277	c 74	N80-24149*	US-PATENT-CLASS-526-275	c 27	N80-24438*
US-PATENT-CLASS-432-223	c 25	N79-11151*	US-PATENT-CLASS-51-283R	c 74	N80-24149*	US-PATENT-CLASS-526-276	c 27	N78-32256*
US-PATENT-CLASS-432-264	c 33	N81-19389*	US-PATENT-CLASS-51-283	c 46	N74-23069*	US-PATENT-CLASS-526-276	c 27	N80-24438*
US-PATENT-CLASS-432-29	c 25	N79-11151*	US-PATENT-CLASS-51-320	c 15	N72-20444*	US-PATENT-CLASS-526-278	c 27	N78-32256*
US-PATENT-CLASS-433-118	c 52	N82-29862*	US-PATENT-CLASS-51-323	c 15	N72-20444*	US-PATENT-CLASS-526-278	c 27	N80-24438*
US-PATENT-CLASS-433-125	c 52	N82-29862*	US-PATENT-CLASS-51-57	c 15	N71-22705*	US-PATENT-CLASS-526-27	c 27	N78-32256*
US-PATENT-CLASS-433-86	c 52	N82-29862*	US-PATENT-CLASS-51-97R	c 37	N74-27905*	US-PATENT-CLASS-526-49	c 27	N78-32256*
US-PATENT-CLASS-434-42	c 09	N82-24212*	US-PATENT-CLASS-52-DIG 10	c 18	N72-25540*	US-PATENT-CLASS-526-50	c 27	N78-32256*
US-PATENT-CLASS-434-43	c 09	N82-24212*	US-PATENT-CLASS-52-DIG 10	c 18	N72-25541*	US-PATENT-CLASS-526-7	c 44	N79-25481*
US-PATENT-CLASS-434-59	c 54	N81-27806*	US-PATENT-CLASS-52-108	c 15	N72-18477*	US-PATENT-CLASS-526-88	c 25	N81-19242*
US-PATENT-CLASS-435-289	c 51	N80-27067*	US-PATENT-CLASS-52-108	c 31	N81-27323*	US-PATENT-CLASS-526-914	c 28	N81-15119*
US-PATENT-CLASS-435-290	c 51	N80-27067*	US-PATENT-CLASS-52-109	c 31	N73-32749*	US-PATENT-CLASS-526-9	c 44	N79-25481*
US-PATENT-CLASS-435-291	c 51	N80-27067*	US-PATENT-CLASS-52-111	c 31	N81-27324*	US-PATENT-CLASS-528-118	c 27	N81-17260*
US-PATENT-CLASS-435-291	c 51	N81-28698*	US-PATENT-CLASS-52-117	c 44	N77-32582*	US-PATENT-CLASS-528-126	c 27	N79-28307*
US-PATENT-CLASS-435-291	c 35	N82-28604*	US-PATENT-CLASS-52-127	c 15	N71-21531*	US-PATENT-CLASS-528-126	c 27	N82-11206*
US-PATENT-CLASS-435-311	c 51	N80-27067*	US-PATENT-CLASS-52-169	c 39	N75-22545*	US-PATENT-CLASS-528-127	c 27	N79-28307*
US-PATENT-CLASS-435-316	c 51	N80-27067*	US-PATENT-CLASS-52-171	c 11	N73-12265*	US-PATENT-CLASS-528-128	c 27	N79-28307*
US-PATENT-CLASS-435-32	c 51	N80-27067*	US-PATENT-CLASS-52-173R	c 44	N77-31601*	US-PATENT-CLASS-528-168	c 27	N81-27271*
US-PATENT-CLASS-435-34	c 51	N80-16714*	US-PATENT-CLASS-52-173	c 15	N72-25545*	US-PATENT-CLASS-528-168	c 27	N82-18389*
US-PATENT-CLASS-435-34	c 51	N80-27067*	US-PATENT-CLASS-52-1	c 15	N72-28496*	US-PATENT-CLASS-528-172	c 27	N82-11206*
US-PATENT-CLASS-435-34	c 51	N81-28698*	US-PATENT-CLASS-52-2	c 37	N81-14317*	US-PATENT-CLASS-528-173	c 27	N82-11206*
US-PATENT-CLASS-435-34	c 35	N82-28604*	US-PATENT-CLASS-52-236	c 39	N76-31562*	US-PATENT-CLASS-528-180	c 27	N82-11206*
US-PATENT-CLASS-435-38	c 51	N80-27067*	US-PATENT-CLASS-52-249	c 33	N71-25351*	US-PATENT-CLASS-528-207	c 27	N80-16156*
US-PATENT-CLASS-435-39	c 51	N80-27067*	US-PATENT-CLASS-52-272	c 31	N71-24035*	US-PATENT-CLASS-528-207	c 27	N82-11206*
US-PATENT-CLASS-435-39	c 35	N82-28604*	US-PATENT-CLASS-52-284	c 32	N73-13921*	US-PATENT-CLASS-528-208	c 27	N80-16156*
US-PATENT-CLASS-435-3	c 51	N80-27067*	US-PATENT-CLASS-52-2	c 32	N71-21045*	US-PATENT-CLASS-528-208	c 27	N82-11206*
US-PATENT-CLASS-435-5	c 51	N81-28698*	US-PATENT-CLASS-52-2	c 44	N77-32583*	US-PATENT-CLASS-528-210	c 27	N82-11206*
US-PATENT-CLASS-435-34	c 44	N78-31527*	US-PATENT-CLASS-52-309 1	c 31	N81-25258*	US-PATENT-CLASS-528-211	c 27	N82-11206*
US-PATENT-CLASS-44-1R	c 25	N81-33246*	US-PATENT-CLASS-52-3	c 31	N71-16080*	US-PATENT-CLASS-528-221	c 27	N79-28307*
US-PATENT-CLASS-44-1SR	c 25	N82-29371*	US-PATENT-CLASS-52-404	c 33	N71-25351*	US-PATENT-CLASS-528-222	c 27	N81-29229*
US-PATENT-CLASS-44-2	c 44	N78-31527*	US-PATENT-CLASS-52-51	c 44	N77-31601*	US-PATENT-CLASS-528-223	c 27	N79-28307*
US-PATENT-CLASS-44-2	c 25	N81-33246*	US-PATENT-CLASS-52-573	c 15	N72-28496*	US-PATENT-CLASS-528-225	c 27	N79-28307*
US-PATENT-CLASS-44-50	c 27	N81-17261*	US-PATENT-CLASS-52-594	c 15	N72-25454*	US-PATENT-CLASS-528-225	c 27	N82-11206*
US-PATENT-CLASS-44-51	c 25	N79-11152*	US-PATENT-CLASS-52-594	c 32	N73-13921*	US-PATENT-CLASS-528-227	c 27	N79-28307*
US-PATENT-CLASS-44-62	c 27	N81-17261*	US-PATENT-CLASS-52-632	c 31	N81-27324*	US-PATENT-CLASS-528-228	c 27	N81-27272*
US-PATENT-CLASS-44-7R	c 28	N81-14103*	US-PATENT-CLASS-52-637	c 39	N76-31562*	US-PATENT-CLASS-528-228	c 27	N82-11206*
US-PATENT-CLASS-44-77	c 06	N71-23499*	US-PATENT-CLASS-52-645	c 31	N81-25259*	US-PATENT-CLASS-528-229	c 27	N79-28307*
US-PATENT-CLASS-455-102	c 33	N81-15192*	US-PATENT-CLASS-52-646	c 31	N73-32749*	US-PATENT-CLASS-528-229	c 27	N79-33316*
US-PATENT-CLASS-455-137	c 35	N82-15381*	US-PATENT-CLASS-52-648	c 11	N72-25287*	US-PATENT-CLASS-528-229	c 27	N81-29229*
US-PATENT-CLASS-455-139	c 35	N82-15381*	US-PATENT-CLASS-52-648	c 39	N76-31562*	US-PATENT-CLASS-528-310	c 27	N81-17262*
US-PATENT-CLASS-455-202	c 33	N82-29339*	US-PATENT-CLASS-52-648	c 31	N81-25258*	US-PATENT-CLASS-528-310	c 27	N81-24256*
US-PATENT-CLASS-455-208	c 33	N82-29339*	US-PATENT-CLASS-52-648	c 31	N73-32749*	US-PATENT-CLASS-528-310	c 27	N82-24338*
US-PATENT-CLASS-455-234	c 33	N82-29339*	US-PATENT-CLASS-52-651	c 39	N76-31562*	US-PATENT-CLASS-528-322	c 27	N81-17260*
US-PATENT-CLASS-455-278	c 32	N81-29308*	US-PATENT-CLASS-52-655	c 11	N72-25287*	US-PATENT-CLASS-528-328	c 27	N82-24338*
US-PATENT-CLASS-455-306	c 33	N82-29539*	US-PATENT-CLASS-52-705	c 37	N76-19437*	US-PATENT-CLASS-528-331	c 27	N79-28307*
US-PATENT-CLASS-455-51	c 32	N81-14186*	US-PATENT-CLASS-52-71	c 18	N75-27040*	US-PATENT-CLASS-528-336	c 27	N79-28307*
US-PATENT-CLASS-455-60	c 35	N82-15381*	US-PATENT-CLASS-52-726	c 39	N76-31562*	US-PATENT-CLASS-528-337	c 27	N79-28307*
US-PATENT-CLASS-455-610	c 74	N82-19029*	US-PATENT-CLASS-52-726	c 31	N81-25258*	US-PATENT-CLASS-528-338	c 27	N79-28307*
US-PATENT-CLASS-455-612	c 74	N82-19029*	US-PATENT-CLASS-52-743	c 37	N81-14317*	US-PATENT-CLASS-528-342	c 27	N79-28307*
US-PATENT-CLASS-455-615	c 74	N82-19029*	US-PATENT-CLASS-52-745	c 39	N76-31562*	US-PATENT-CLASS-528-351	c 27	N82-11206*
US-PATENT-CLASS-455-617	c 74	N82-19029*	US-PATENT-CLASS-52-745	c 31	N81-27323*	US-PATENT-CLASS-528-353	c 27	N81-19296*
US-PATENT-CLASS-455-619	c 32	N81-14186*	US-PATENT-CLASS-52-749	c 39	N76-31562*	US-PATENT-CLASS-528-353	c 27	N82-11206*
US-PATENT-CLASS-455-71	c 32	N81-14186*	US-PATENT-					

US-PATENT-CLASS-528-399	c 27	N82-18389*	US-PATENT-CLASS-55-75	c 15	N71-26185*	US-PATENT-CLASS-60-25	c 15	N73-24513*
US-PATENT-CLASS-528-401	c 27	N79-22300*	US-PATENT-CLASS-564-229	c 27	N81-24256*	US-PATENT-CLASS-60-25	c 37	N74-21060*
US-PATENT-CLASS-528-401	c 25	N81-14016*	US-PATENT-CLASS-564-229	c 23	N82-28353*	US-PATENT-CLASS-60-260	c 28	N70-41992*
US-PATENT-CLASS-528-401	c 27	N81-17259*	US-PATENT-CLASS-568-2	c 27	N82-18389*	US-PATENT-CLASS-60-260	c 28	N72-18766*
US-PATENT-CLASS-528-401	c 27	N81-17262*	US-PATENT-CLASS-568-445	c 23	N82-16174*	US-PATENT-CLASS-60-261	c 37	N78-17384*
US-PATENT-CLASS-528-401	c 27	N82-24338*	US-PATENT-CLASS-568-497	c 23	N82-16174*	US-PATENT-CLASS-60-262	c 37	N78-17384*
US-PATENT-CLASS-528-401	c 23	N82-28353*	US-PATENT-CLASS-568-4	c 27	N82-18389*	US-PATENT-CLASS-60-262	c 07	N78-18067*
US-PATENT-CLASS-528-402	c 25	N82-24312*	US-PATENT-CLASS-568-5	c 27	N82-18389*	US-PATENT-CLASS-60-263	c 28	N71-24321*
US-PATENT-CLASS-528-422	c 27	N79-22300*	US-PATENT-CLASS-568-852	c 27	N80-32514*	US-PATENT-CLASS-60-263	c 07	N77-28118*
US-PATENT-CLASS-528-422	c 25	N81-14016*	US-PATENT-CLASS-568-861	c 27	N80-32514*	US-PATENT-CLASS-60-264	c 07	N80-32392*
US-PATENT-CLASS-528-422	c 27	N81-17259*	US-PATENT-CLASS-57-906	c 37	N82-18601*	US-PATENT-CLASS-60-265	c 28	N71-20942*
US-PATENT-CLASS-528-422	c 27	N81-17262*	US-PATENT-CLASS-570-123	c 25	N82-24312*	US-PATENT-CLASS-60-265	c 33	N72-25911*
US-PATENT-CLASS-528-422	c 27	N82-24338*	US-PATENT-CLASS-570-129	c 25	N82-24312*	US-PATENT-CLASS-60-265	c 33	N73-25952*
US-PATENT-CLASS-528-422	c 23	N82-28353*	US-PATENT-CLASS-58-24	c 10	N71-26326*	US-PATENT-CLASS-60-265	c 20	N76-14191*
US-PATENT-CLASS-528-423	c 27	N81-17259*	US-PATENT-CLASS-60-39 08	c 37	N79-11403*	US-PATENT-CLASS-60-266	c 33	N71-28852*
US-PATENT-CLASS-528-481	c 27	N80-24438*	US-PATENT-CLASS-60-108	c 33	N71-16104*	US-PATENT-CLASS-60-266	c 28	N72-23810*
US-PATENT-CLASS-528-482	c 27	N81-17271*	US-PATENT-CLASS-60-1	c 15	N72-33477*	US-PATENT-CLASS-60-267	c 33	N71-29053*
US-PATENT-CLASS-528-4	c 27	N82-18389*	US-PATENT-CLASS-60-1	c 15	N73-13467*	US-PATENT-CLASS-60-267	c 33	N72-25911*
US-PATENT-CLASS-528-6	c 27	N81-27271*	US-PATENT-CLASS-60-200A	c 33	N72-25911*	US-PATENT-CLASS-60-267	c 33	N73-25952*
US-PATENT-CLASS-528-6	c 27	N82-18389*	US-PATENT-CLASS-60-200A	c 33	N73-25952*	US-PATENT-CLASS-60-267	c 28	N73-32606*
US-PATENT-CLASS-528-73	c 25	N80-16116*	US-PATENT-CLASS-60-200A	c 27	N78-17206*	US-PATENT-CLASS-60-267	c 20	N76-14191*
US-PATENT-CLASS-528-7	c 27	N82-18389*	US-PATENT-CLASS-60-200R	c 20	N82-18314*	US-PATENT-CLASS-60-267	c 34	N79-13288*
US-PATENT-CLASS-53-102	c 15	N71-21528*	US-PATENT-CLASS-60-200	c 28	N71-14044*	US-PATENT-CLASS-60-267	c 34	N79-13289*
US-PATENT-CLASS-53-112A	c 15	N73-27405*	US-PATENT-CLASS-60-202	c 28	N70-41922*	US-PATENT-CLASS-60-267	c 34	N80-24573*
US-PATENT-CLASS-53-22A	c 15	N73-27405*	US-PATENT-CLASS-60-202	c 28	N71-10574*	US-PATENT-CLASS-60-267	c 44	N81-24519*
US-PATENT-CLASS-53-22	c 15	N71-23256*	US-PATENT-CLASS-60-202	c 25	N71-21694*	US-PATENT-CLASS-60-267	c 05	N81-26114*
US-PATENT-CLASS-53-429	c 09	N82-29330*	US-PATENT-CLASS-60-202	c 28	N71-21822*	US-PATENT-CLASS-60-26	c 21	N72-31637*
US-PATENT-CLASS-53-9	c 37	N77-23482*	US-PATENT-CLASS-60-202	c 28	N71-23081*	US-PATENT-CLASS-60-26	c 03	N73-20040*
US-PATENT-CLASS-536-105	c 27	N77-30236*	US-PATENT-CLASS-60-202	c 28	N71-23293*	US-PATENT-CLASS-60-271	c 28	N72-11708*
US-PATENT-CLASS-536-536-85	c 27	N77-30236*	US-PATENT-CLASS-60-202	c 28	N71-25213*	US-PATENT-CLASS-60-271	c 28	N72-23810*
US-PATENT-CLASS-536-56	c 27	N77-30236*	US-PATENT-CLASS-60-202	c 28	N71-26173*	US-PATENT-CLASS-60-271	c 07	N78-17055*
US-PATENT-CLASS-536-58	c 27	N77-30236*	US-PATENT-CLASS-60-202	c 28	N71-26642*	US-PATENT-CLASS-60-271	c 37	N78-17384*
US-PATENT-CLASS-536-84	c 27	N77-30236*	US-PATENT-CLASS-60-202	c 28	N71-26781*	US-PATENT-CLASS-60-291	c 31	N73-13899*
US-PATENT-CLASS-538-117	c 27	N81-17260*	US-PATENT-CLASS-60-202	c 28	N72-11709*	US-PATENT-CLASS-60-300	c 28	N80-10374*
US-PATENT-CLASS-544-193	c 27	N78-15276*	US-PATENT-CLASS-60-202	c 28	N72-22770*	US-PATENT-CLASS-60-316	c 34	N76-18364*
US-PATENT-CLASS-544-195	c 27	N79-28307*	US-PATENT-CLASS-60-202	c 28	N72-22771*	US-PATENT-CLASS-60-35 3	c 28	N70-33265*
US-PATENT-CLASS-544-195	c 27	N78-32256*	US-PATENT-CLASS-60-202	c 28	N73-24783*	US-PATENT-CLASS-60-35 3	c 28	N70-40367*
US-PATENT-CLASS-547-131	c 23	N82-28353*	US-PATENT-CLASS-60-202	c 25	N73-25760*	US-PATENT-CLASS-60-35 54	c 28	N70-34294*
US-PATENT-CLASS-55-DIG 35	c 54	N75-27761*	US-PATENT-CLASS-60-202	c 28	N73-27699*	US-PATENT-CLASS-60-35 54	c 28	N70-38645*
US-PATENT-CLASS-55-100	c 35	N78-12390*	US-PATENT-CLASS-60-202	c 20	N77-10148*	US-PATENT-CLASS-60-35 54	c 28	N71-29153*
US-PATENT-CLASS-55-100	c 25	N78-25148*	US-PATENT-CLASS-60-202	c 20	N77-20162*	US-PATENT-CLASS-60-35 55	c 28	N70-34162*
US-PATENT-CLASS-55-101	c 25	N78-25148*	US-PATENT-CLASS-60-203	c 20	N80-14188*	US-PATENT-CLASS-60-35 55	c 28	N70-36711*
US-PATENT-CLASS-55-118	c 35	N79-17192*	US-PATENT-CLASS-60-204	c 07	N78-17055*	US-PATENT-CLASS-60-35 55	c 21	N71-15582*
US-PATENT-CLASS-55-122	c 35	N79-17192*	US-PATENT-CLASS-60-204	c 07	N78-18067*	US-PATENT-CLASS-60-35 55	c 15	N71-28951*
US-PATENT-CLASS-55-127	c 35	N79-17192*	US-PATENT-CLASS-60-204	c 44	N81-24519*	US-PATENT-CLASS-60-35 55	c 28	N70-33356*
US-PATENT-CLASS-55-15-8	c 52	N79-14749*	US-PATENT-CLASS-60-211	c 28	N73-13773*	US-PATENT-CLASS-60-35 5	c 28	N70-34175*
US-PATENT-CLASS-55-155	c 35	N79-17192*	US-PATENT-CLASS-60-214	c 15	N74-27360*	US-PATENT-CLASS-60-35 5	c 28	N70-36802*
US-PATENT-CLASS-55-158	c 18	N71-20742*	US-PATENT-CLASS-60-215	c 06	N73-30097*	US-PATENT-CLASS-60-35 5	c 21	N70-36938*
US-PATENT-CLASS-55-158	c 44	N77-22607*	US-PATENT-CLASS-60-215	c 15	N74-27360*	US-PATENT-CLASS-60-35 5	c 25	N70-36946*
US-PATENT-CLASS-55-168	c 25	N82-21269*	US-PATENT-CLASS-60-217	c 12	N71-17631*	US-PATENT-CLASS-60-35 5	c 28	N70-37245*
US-PATENT-CLASS-55-159	c 34	N74-30608*	US-PATENT-CLASS-60-225	c 28	N71-10780*	US-PATENT-CLASS-60-35 5	c 28	N70-37980*
US-PATENT-CLASS-55-159	c 37	N79-21345*	US-PATENT-CLASS-60-226A	c 07	N77-17059*	US-PATENT-CLASS-60-35 5	c 28	N71-14043*
US-PATENT-CLASS-55-160	c 15	N71-15968*	US-PATENT-CLASS-60-226A	c 07	N79-14096*	US-PATENT-CLASS-60-35 5	c 28	N71-15661*
US-PATENT-CLASS-55-16	c 06	N72-31140*	US-PATENT-CLASS-60-226A	c 07	N79-14097*	US-PATENT-CLASS-60-35 60	c 28	N71-15659*
US-PATENT-CLASS-55-179	c 14	N71-17588*	US-PATENT-CLASS-60-226A	c 07	N82-26293*	US-PATENT-CLASS-60-35 6	c 28	N70-33284*
US-PATENT-CLASS-55-179	c 54	N77-32722*	US-PATENT-CLASS-60-226R	c 07	N78-18066*	US-PATENT-CLASS-60-35 6	c 28	N70-33331*
US-PATENT-CLASS-55-197	c 23	N77-17161*	US-PATENT-CLASS-60-226R	c 07	N77-14025*	US-PATENT-CLASS-60-35 6	c 28	N70-33374*
US-PATENT-CLASS-55-199	c 34	N74-30608*	US-PATENT-CLASS-60-226R	c 07	N77-28118*	US-PATENT-CLASS-60-35 6	c 28	N70-33375*
US-PATENT-CLASS-55-204	c 15	N71-23023*	US-PATENT-CLASS-60-226R	c 07	N78-17055*	US-PATENT-CLASS-60-35 6	c 28	N70-34860*
US-PATENT-CLASS-55-204	c 44	N83-10501*	US-PATENT-CLASS-60-226R	c 07	N78-17056*	US-PATENT-CLASS-60-35 6	c 28	N70-35381*
US-PATENT-CLASS-55-208	c 14	N71-18483*	US-PATENT-CLASS-60-226R	c 07	N78-25089*	US-PATENT-CLASS-60-35 6	c 27	N70-35354*
US-PATENT-CLASS-55-241	c 35	N79-17192*	US-PATENT-CLASS-60-226R	c 07	N79-14096*	US-PATENT-CLASS-60-35 6	c 15	N70-36535*
US-PATENT-CLASS-55-242	c 35	N79-17192*	US-PATENT-CLASS-60-226R	c 07	N81-19116*	US-PATENT-CLASS-60-35 6	c 28	N70-36806*
US-PATENT-CLASS-55-26-9	c 35	N78-12390*	US-PATENT-CLASS-60-228	c 07	N77-17059*	US-PATENT-CLASS-60-35 6	c 28	N70-36910*
US-PATENT-CLASS-55-261	c 35	N76-18401*	US-PATENT-CLASS-60-230	c 07	N78-27212*	US-PATENT-CLASS-60-35 6	c 28	N70-38249*
US-PATENT-CLASS-55-269	c 54	N77-32722*	US-PATENT-CLASS-60-236	c 07	N81-19116*	US-PATENT-CLASS-60-35 6	c 28	N70-38504*
US-PATENT-CLASS-55-2	c 25	N78-25148*	US-PATENT-CLASS-60-238	c 07	N81-19116*	US-PATENT-CLASS-60-35 6	c 28	N70-38505*
US-PATENT-CLASS-55-52	c 28	N81-14103*	US-PATENT-CLASS-60-239	c 07	N81-19116*	US-PATENT-CLASS-60-35 6	c 28	N70-38710*
US-PATENT-CLASS-55-506	c 28	N70-34788*	US-PATENT-CLASS-60-239	c 09	N71-26182*	US-PATENT-CLASS-60-35 6	c 28	N70-39899*
US-PATENT-CLASS-55-35	c 05	N70-41297*	US-PATENT-CLASS-60-233	c 15	N72-12409*	US-PATENT-CLASS-60-35 6	c 33	N71-15623*
US-PATENT-CLASS-55-360	c 35	N79-17192*	US-PATENT-CLASS-60-233	c 21	N72-31637*	US-PATENT-CLASS-60-35 6	c 27	N71-15634*
US-PATENT-CLASS-55-386	c 35	N75-26334*	US-PATENT-CLASS-60-233	c 15	N73-13467*	US-PATENT-CLASS-60-35 6	c 31	N71-15637*
US-PATENT-CLASS-55-53	c 35	N78-12390*	US-PATENT-CLASS-60-240	c 28	N71-24736*	US-PATENT-CLASS-60-35 6	c 31	N71-15647*
US-PATENT-CLASS-55-400	c 11	N71-10777*	US-PATENT-CLASS-60-240	c 28	N73-13773*	US-PATENT-CLASS-60-35 6	c 28	N71-15660*
US-PATENT-CLASS-55-407	c 35	N79-17192*	US-PATENT-CLASS-60-240	c 07	N78-18039*	US-PATENT-CLASS-60-35 6	c 14	N71-27186*
US-PATENT-CLASS-55-408	c 15	N70-40062*	US-PATENT-CLASS-60-243	c 33	N71-21507*	US-PATENT-CLASS-60-36	c 15	N72-33477*
US-PATENT-CLASS-55-418	c 15	N71-22721*	US-PATENT-CLASS-60-243	c 15	N71-27432*	US-PATENT-CLASS-60-37	c 15	N73-13467*
US-PATENT-CLASS-55-543	c 34	N74-30608*	US-PATENT-CLASS-60-243	c 28	N73-13773*	US-PATENT-CLASS-60-39 03	c 07	N77-23106*
US-PATENT-CLASS-55-446	c 15	N72-22489*	US-PATENT-CLASS-60-243	c 20	N79-21124*	US-PATENT-CLASS-60-39 03	c 07	N80-18039*
US-PATENT-CLASS-55-464	c 15	N72-22489*	US-PATENT-CLASS-60-251	c 28	N70-41311*	US-PATENT-CLASS-60-39 06	c 07	N80-26298*
US-PATENT-CLASS-55-493	c 14	N72-23457*	US-PATENT-CLASS-60-251	c 27	N71-21819*	US-PATENT-CLASS-60-39 06	c 07	N81-29129*
US-PATENT-CLASS-55-498	c 14	N72-23457*	US-PATENT-CLASS-60-254	c 28	N72-20758*	US-PATENT-CLASS-60-39 07	c 44	N78-32539*
US-PATENT-CLASS-55-502	c 14	N72-23457*	US-PATENT-CLASS-60-254	c 28	N73-24784*	US-PATENT-CLASS-60-39 07	c 07	N82-32366*
US-PATENT-CLASS-55-510	c 25	N74-12813*	US-PATENT-CLASS-60-256	c 28	N73-24784*	US-PATENT-CLASS-60-39 14	c 44	N78-32539*
US-PATENT-CLASS-55-518	c 25	N74-12813*	US-PATENT-CLASS-60-257	c 31	N70-41948*	US-PATENT-CLASS-60-39 14	c 07	N79-10057*
US-PATENT-CLASS-55-521	c 14	N72-23457*	US-PATENT-CLASS-60-258	c 15	N70-22192*	US-PATENT-CLASS-60-39 23	c 20	N76-14190*
US-PATENT-CLASS-55-523	c 34	N76-27515*	US-PATENT-CLASS-60-258	c 28	N71-22983*	US-PATENT-CLASS-60-39 24	c 07	N81-19115*
US-PATENT-CLASS-55-526	c 34	N76-27515*	US-PATENT-CLASS-60-258	c 28	N71-28849*	US-PATENT-CLASS-60-39 27	c 07	N80-18039*
US-PATENT-CLASS-55-55	c 06	N72-31140*	US-PATENT-CLASS-60-258	c 28	N72-17843*	US-PATENT-CLASS-60-39 28R	c 28	N73-19793*
US-PATENT-CLASS-55-66	c 25	N80-23383*	US-PATENT-CLASS-60-258	c 15	N72-25455*	US-PATENT-CLASS-60-39 28R	c 07	N77-23106*
US-PATENT-CLASS-55-67	c 23	N77-17161*	US-PATENT-CLASS-60-258	c 20	N74-13502*	US-P		

US-PATENT-CLASS-60-39 31	c 07	N78-18066* #	US-PATENT-CLASS-62-259	c 05	N73-20137* #	US-PATENT-CLASS-65-87	c 71	N78-10837* #
US-PATENT-CLASS-60-39 31	c 07	N79-14096* #	US-PATENT-CLASS-62-259	c 05	N73-26071* #	US-PATENT-CLASS-6554	c 35	N77-24455* #
US-PATENT-CLASS-60-39 33	c 44	N78-32539* #	US-PATENT-CLASS-62-259	c 54	N78-32721* #	US-PATENT-CLASS-6564	c 35	N77-24455* #
US-PATENT-CLASS-60-39 36	c 28	N71-20330* #	US-PATENT-CLASS-62-268	c 14	N71-20427* #	US-PATENT-CLASS-70-58	c 33	N81-25299* #
US-PATENT-CLASS-60-39 36	c 28	N71-28915* #	US-PATENT-CLASS-62-268	c 34	N79-20336* #	US-PATENT-CLASS-71-98	c 51	N83-17045* #
US-PATENT-CLASS-60-39 46M	c 20	N82-18314* #	US-PATENT-CLASS-62-269	c 34	N77-19353* #	US-PATENT-CLASS-72-253	c 15	N71-22797*
US-PATENT-CLASS-60-39 46	c 27	N71-15635* #	US-PATENT-CLASS-62-285	c 77	N75-20139* #	US-PATENT-CLASS-72-258	c 15	N73-13464* #
US-PATENT-CLASS-60-39 46	c 15	N74-27360* #	US-PATENT-CLASS-62-288	c 77	N75-20139* #	US-PATENT-CLASS-72-307	c 15	N72-12408*
US-PATENT-CLASS-60-39 47	c 27	N71-16392* #	US-PATENT-CLASS-62-289	c 77	N75-20139* #	US-PATENT-CLASS-72-34	c 15	N71-21536*
US-PATENT-CLASS-60-39 48	c 28	N70-38199* #	US-PATENT-CLASS-62-290	c 77	N75-20139* #	US-PATENT-CLASS-72-354	c 15	N71-23811*
US-PATENT-CLASS-60-39 48	c 28	N70-39931* #	US-PATENT-CLASS-62-2	c 15	N71-15906*	US-PATENT-CLASS-72-363	c 37	N76-14461* #
US-PATENT-CLASS-60-39 48	c 27	N71-28929* #	US-PATENT-CLASS-62-315	c 34	N77-19353* #	US-PATENT-CLASS-72-364	c 15	N71-18579*
US-PATENT-CLASS-60-39 51R	c 25	N78-10224* #	US-PATENT-CLASS-62-317	c 77	N75-20139* #	US-PATENT-CLASS-72-369	c 15	N71-24679*
US-PATENT-CLASS-60-39 52	c 07	N78-25089* #	US-PATENT-CLASS-62-376	c 31	N78-17237* #	US-PATENT-CLASS-72-436	c 37	N79-28550* #
US-PATENT-CLASS-60-39 65	c 28	N71-28915* #	US-PATENT-CLASS-62-376	c 34	N79-20336* #	US-PATENT-CLASS-72-447	c 15	N73-13463* #
US-PATENT-CLASS-60-39 65	c 23	N73-30665* #	US-PATENT-CLASS-62-383	c 33	N82-24419* #	US-PATENT-CLASS-72-451	c 37	N79-28550* #
US-PATENT-CLASS-60-39 65	c 34	N78-27357* #	US-PATENT-CLASS-62-384	c 23	N71-24725* #	US-PATENT-CLASS-72-453	c 37	N76-18454* #
US-PATENT-CLASS-60-39 66	c 15	N70-36411* #	US-PATENT-CLASS-62-3	c 20	N75-24837* #	US-PATENT-CLASS-72-467	c 15	N71-23817*
US-PATENT-CLASS-60-39 66	c 23	N73-30665* #	US-PATENT-CLASS-62-3	c 34	N78-17335* #	US-PATENT-CLASS-72-46	c 24	N73-31318* #
US-PATENT-CLASS-60-39 66	c 07	N77-23106* #	US-PATENT-CLASS-62-40	c 15	N71-20444* #	US-PATENT-CLASS-72-470	c 37	N79-28550* #
US-PATENT-CLASS-60-39 66	c 37	N78-10467* #	US-PATENT-CLASS-62-40	c 28	N81-14103* #	US-PATENT-CLASS-72-476	c 15	N73-13463* #
US-PATENT-CLASS-60-39 66	c 37	N79-11403* #	US-PATENT-CLASS-62-45	c 15	N70-33323* #	US-PATENT-CLASS-72-53	c 15	N71-18616*
US-PATENT-CLASS-60-39 69R	c 34	N78-27357* #	US-PATENT-CLASS-62-45	c 31	N70-41871* #	US-PATENT-CLASS-72-53	c 15	N73-32360* #
US-PATENT-CLASS-60-39 72	c 23	N73-30665* #	US-PATENT-CLASS-62-45	c 33	N71-25351* #	US-PATENT-CLASS-72-54	c 37	N76-14461* #
US-PATENT-CLASS-60-39 74A	c 15	N72-25455* #	US-PATENT-CLASS-62-45	c 33	N71-28892* #	US-PATENT-CLASS-72-56	c 15	N70-34249* #
US-PATENT-CLASS-60-39 74R	c 23	N73-30665* #	US-PATENT-CLASS-62-45	c 15	N73-12466* #	US-PATENT-CLASS-72-56	c 15	N71-24833*
US-PATENT-CLASS-60-39 74R	c 20	N76-14190* #	US-PATENT-CLASS-62-45	c 35	N74-15093* #	US-PATENT-CLASS-72-56	c 15	N71-24865*
US-PATENT-CLASS-60-39 74	c 28	N70-33241* #	US-PATENT-CLASS-62-467	c 33	N70-37979* #	US-PATENT-CLASS-72-56	c 15	N71-26148*
US-PATENT-CLASS-60-39 74	c 28	N72-17843* #	US-PATENT-CLASS-62-467	c 33	N71-17879* #	US-PATENT-CLASS-72-60	c 15	N71-24836*
US-PATENT-CLASS-60-39 74	c 20	N79-21125* #	US-PATENT-CLASS-62-467	c 05	N72-11084* #	US-PATENT-CLASS-72-61	c 15	N71-26346*
US-PATENT-CLASS-60-39 82E	c 20	N78-24275* #	US-PATENT-CLASS-62-467	c 33	N72-25911* #	US-PATENT-CLASS-72-63	c 20	N75-18310* #
US-PATENT-CLASS-60-39 48	c 28	N72-11709* #	US-PATENT-CLASS-62-467	c 33	N73-25952* #	US-PATENT-CLASS-72-63	c 37	N76-14461* #
US-PATENT-CLASS-60-508	c 44	N79-18443* #	US-PATENT-CLASS-62-467	c 20	N75-24837* #	US-PATENT-CLASS-72-83	c 15	N71-22723*
US-PATENT-CLASS-60-516	c 20	N75-24837* #	US-PATENT-CLASS-62-475	c 23	N72-25619* #	US-PATENT-CLASS-73-DIG 11	c 35	N78-18390* #
US-PATENT-CLASS-60-516	c 44	N82-24640* #	US-PATENT-CLASS-62-476	c 44	N82-26776* #	US-PATENT-CLASS-73-1B	c 35	N76-24523* #
US-PATENT-CLASS-60-517	c 44	N76-29701* #	US-PATENT-CLASS-62-47	c 28	N81-14103* #	US-PATENT-CLASS-73-1DV	c 14	N73-27379* #
US-PATENT-CLASS-60-517	c 37	N81-25370* #	US-PATENT-CLASS-62-48	c 28	N78-24365* #	US-PATENT-CLASS-73-1F	c 35	N74-21019* #
US-PATENT-CLASS-60-518	c 37	N81-14318* #	US-PATENT-CLASS-62-49	c 31	N76-14284* #	US-PATENT-CLASS-73-1R	c 14	N71-29134*
US-PATENT-CLASS-60-518	c 37	N81-17432* #	US-PATENT-CLASS-62-4	c 44	N77-32581* #	US-PATENT-CLASS-73-1R	c 35	N75-15932* #
US-PATENT-CLASS-60-51	c 15	N71-27754* #	US-PATENT-CLASS-62-4	c 44	N78-17460* #	US-PATENT-CLASS-73-1R	c 35	N76-15432* #
US-PATENT-CLASS-60-520	c 37	N80-31790* #	US-PATENT-CLASS-62-50	c 15	N70-34247* #	US-PATENT-CLASS-73-100	c 15	N70-41993* #
US-PATENT-CLASS-60-524	c 44	N81-17518* #	US-PATENT-CLASS-62-50	c 35	N78-12390* #	US-PATENT-CLASS-73-100	c 32	N72-25877* #
US-PATENT-CLASS-60-525	c 37	N81-25370* #	US-PATENT-CLASS-62-514JT	c 31	N77-10229* #	US-PATENT-CLASS-73-103	c 15	N71-27696*
US-PATENT-CLASS-60-527	c 44	N74-33379* #	US-PATENT-CLASS-62-514R	c 35	N78-12390* #	US-PATENT-CLASS-73-103	c 14	N72-27412* #
US-PATENT-CLASS-60-527	c 37	N77-12402* #	US-PATENT-CLASS-62-514R	c 31	N78-17237* #	US-PATENT-CLASS-73-103	c 14	N73-32223* #
US-PATENT-CLASS-60-527	c 37	N77-19458* #	US-PATENT-CLASS-62-514R	c 31	N78-25256* #	US-PATENT-CLASS-73-103	c 35	N76-18400* #
US-PATENT-CLASS-60-527	c 37	N78-31426* #	US-PATENT-CLASS-62-514R	c 51	N79-10694* #	US-PATENT-CLASS-73-104	c 35	N74-32879* #
US-PATENT-CLASS-60-530	c 20	N75-24837* #	US-PATENT-CLASS-62-514R	c 31	N79-17029* #	US-PATENT-CLASS-73-105	c 14	N70-34161* #
US-PATENT-CLASS-60-53	c 37	N77-22479* #	US-PATENT-CLASS-62-514R	c 34	N79-20336* #	US-PATENT-CLASS-73-105	c 14	N71-17586*
US-PATENT-CLASS-60-54 5	c 15	N71-10658* #	US-PATENT-CLASS-62-514R	c 35	N81-14287* #	US-PATENT-CLASS-73-115	c 35	N79-14345* #
US-PATENT-CLASS-60-560	c 35	N78-10428* #	US-PATENT-CLASS-62-514	c 23	N71-26654* #	US-PATENT-CLASS-73-116	c 11	N70-33276*
US-PATENT-CLASS-60-572	c 44	N79-18443* #	US-PATENT-CLASS-62-51	c 15	N72-17453* #	US-PATENT-CLASS-73-116	c 11	N70-34844* #
US-PATENT-CLASS-60-574	c 35	N78-10428* #	US-PATENT-CLASS-62-55 5	c 11	N71-24964* #	US-PATENT-CLASS-73-116	c 14	N70-40203* #
US-PATENT-CLASS-60-606	c 28	N80-10374* #	US-PATENT-CLASS-62-55 5	c 15	N72-22484* #	US-PATENT-CLASS-73-116	c 11	N70-41677* #
US-PATENT-CLASS-60-632	c 20	N80-18097* #	US-PATENT-CLASS-62-55	c 15	N70-38202* #	US-PATENT-CLASS-73-116	c 11	N71-10604* #
US-PATENT-CLASS-60-641 14	c 44	N82-24640* #	US-PATENT-CLASS-62-55	c 34	N77-30399* #	US-PATENT-CLASS-73-116	c 31	N71-15643*
US-PATENT-CLASS-60-641	c 44	N75-32581* #	US-PATENT-CLASS-62-56	c 05	N72-11084* #	US-PATENT-CLASS-73-117 1	c 11	N72-27262*
US-PATENT-CLASS-60-641	c 44	N77-32582* #	US-PATENT-CLASS-62-6	c 15	N69-23190* #	US-PATENT-CLASS-73-117 4	c 14	N71-20429*
US-PATENT-CLASS-60-641	c 44	N78-17460* #	US-PATENT-CLASS-62-6	c 23	N71-15467* #	US-PATENT-CLASS-73-117 4	c 28	N71-27094*
US-PATENT-CLASS-60-641	c 44	N78-32542* #	US-PATENT-CLASS-62-6	c 15	N71-20205* #	US-PATENT-CLASS-73-117 4	c 35	N75-29382*
US-PATENT-CLASS-60-641	c 44	N79-18443* #	US-PATENT-CLASS-62-6	c 23	N72-25619* #	US-PATENT-CLASS-73-117	c 14	N71-22965*
US-PATENT-CLASS-60-641	c 44	N81-17518* #	US-PATENT-CLASS-62-6	c 37	N76-29590* #	US-PATENT-CLASS-73-12	c 14	N71-23225*
US-PATENT-CLASS-60-645	c 34	N79-20335* #	US-PATENT-CLASS-62-6	c 44	N76-29701* #	US-PATENT-CLASS-73-12	c 14	N71-26161*
US-PATENT-CLASS-60-649	c 34	N79-20335* #	US-PATENT-CLASS-62-78	c 51	N79-10694* #	US-PATENT-CLASS-73-12	c 14	N72-16282*
US-PATENT-CLASS-60-659	c 44	N75-32581* #	US-PATENT-CLASS-62-7	c 15	N73-12486* #	US-PATENT-CLASS-73-12	c 14	N72-25411*
US-PATENT-CLASS-60-659	c 44	N76-31667* #	US-PATENT-CLASS-62-80	c 23	N72-25619* #	US-PATENT-CLASS-73-12	c 14	N73-32327*
US-PATENT-CLASS-60-671	c 44	N78-32542* #	US-PATENT-CLASS-62-85	c 23	N72-25619* #	US-PATENT-CLASS-73-12	c 35	N74-21062*
US-PATENT-CLASS-60-721	c 71	N79-20827* #	US-PATENT-CLASS-62-89	c 05	N73-26071* #	US-PATENT-CLASS-73-12	c 35	N75-33367*
US-PATENT-CLASS-60-726	c 07	N81-29129* #	US-PATENT-CLASS-62-93	c 15	N69-21465* #	US-PATENT-CLASS-73-12	c 75	N76-14931*
US-PATENT-CLASS-60-726	c 07	N82-32366* #	US-PATENT-CLASS-62-93	c 03	N72-28025* #	US-PATENT-CLASS-73-12	c 35	N77-18417*
US-PATENT-CLASS-60-730	c 05	N81-26114* #	US-PATENT-CLASS-62-93	c 77	N75-20139* #	US-PATENT-CLASS-73-12	c 43	N79-25443*
US-PATENT-CLASS-60-733	c 07	N80-26298* #	US-PATENT-CLASS-64-18	c 15	N71-28467* #	US-PATENT-CLASS-73-12	c 43	N80-14423*
US-PATENT-CLASS-60-737	c 07	N81-29129* #	US-PATENT-CLASS-64-27	c 15	N71-28959* #	US-PATENT-CLASS-73-12	c 43	N80-23711*
US-PATENT-CLASS-60-746	c 07	N80-26298* #	US-PATENT-CLASS-64-28	c 15	N69-27505* #	US-PATENT-CLASS-73-133R	c 35	N77-14407*
US-PATENT-CLASS-60-836	c 24	N78-14096* #	US-PATENT-CLASS-65-DIG 11	c 37	N74-21063* #	US-PATENT-CLASS-73-133	c 14	N71-23725*
US-PATENT-CLASS-60-97	c 03	N71-12260* #	US-PATENT-CLASS-65-DIG 4	c 71	N78-10837* #	US-PATENT-CLASS-73-133	c 15	N72-22482*
US-PATENT-CLASS-60-97	c 52	N83-21785* #	US-PATENT-CLASS-65-DIG 7	c 71	N78-10837* #	US-PATENT-CLASS-73-134	c 14	N70-40201*
US-PATENT-CLASS-60-604-8	c 52	N83-21785* #	US-PATENT-CLASS-65-102	c 71	N78-10837* #	US-PATENT-CLASS-73-136R	c 15	N72-26371#
US-PATENT-CLASS-61-83	c 18	N74-22136* #	US-PATENT-CLASS-65-108	c 35	N77-24455* #	US-PATENT-CLASS-73-136	c 14	N70-34818*
US-PATENT-CLASS-62-2-DIG 5	c 05	N81-26114* #	US-PATENT-CLASS-65-142	c 31	N81-33319* #	US-PATENT-CLASS-73-140	c 11	N72-25288*
US-PATENT-CLASS-62-100	c 34	N77-19353* #	US-PATENT-CLASS-65-142	c 27	N78-28442* #	US-PATENT-CLASS-73-141AB	c 14	N72-33377*
US-PATENT-CLASS-62-100	c 28	N78-24365* #	US-PATENT-CLASS-65-21 4	c 31	N81-33319* #	US-PATENT-CLASS-73-141A	c 14	N72-21405*
US-PATENT-CLASS-62-121	c 34	N77-19353* #	US-PATENT-CLASS-65-21 4	c 27	N82-28442* #	US-PATENT-CLASS-73-141A	c 14	N72-22437*
US-PATENT-CLASS-62-129	c 31	N76-14284* #	US-PATENT-CLASS-65-22	c 31	N81-33319* #	US-PATENT-CLASS-73-141A	c 35	N74-26945*
US-PATENT-CLASS-62-12	c 28	N81-14103* #	US-PATENT-CLASS-65-22	c 27	N82-28442* #	US-PATENT-CLASS-73-141A	c 35	N74-27865*
US-PATENT-CLASS-62-148	c 44	N82-26776* #	US-PATENT-CLASS-65-2	c 71	N78-10837* #	US-PATENT-CLASS-73-141A	c 35	N75-33369*
US-PATENT-CLASS-62-15	c 06	N70-34946* #	US-PATENT-CLASS-65-30R	c 27	N78-32260* #	US-PATENT-CLASS-73-141A	c 52	N81-20703*
US-PATENT-CLASS-62-176	c 05	N73-26071* #	US-PATENT-CLASS-65-32	c 71	N78-10837* #	US-PATENT-CLASS-73-141	c 14	N70-41

US-PATENT-CLASS-73-147	c 11	N70-33287*	US-PATENT-CLASS-73-189	c 20	N71-16261*	US-PATENT-CLASS-73-384	c 15	N70-37925* #
US-PATENT-CLASS-73-147	c 14	N70-33386*	US-PATENT-CLASS-73-189	c 02	N71-23007*	US-PATENT-CLASS-73-388	c 35	N74-32878* #
US-PATENT-CLASS-73-147	c 14	N70-34813* #	US-PATENT-CLASS-73-189	c 14	N71-23726*	US-PATENT-CLASS-73-389	c 12	N71-24692*
US-PATENT-CLASS-73-147	c 11	N70-36913* #	US-PATENT-CLASS-73-189	c 14	N73-13415* #	US-PATENT-CLASS-73-388	c 18	N71-24934*
US-PATENT-CLASS-73-147	c 14	N70-40400* #	US-PATENT-CLASS-73-189	c 14	N73-25460* #	US-PATENT-CLASS-73-398AR	c 52	N74-27566* #
US-PATENT-CLASS-73-147	c 14	N70-41366* #	US-PATENT-CLASS-73-189	c 35	N76-24524* #	US-PATENT-CLASS-73-398AR	c 52	N76-29896* #
US-PATENT-CLASS-73-147	c 11	N71-15926*	US-PATENT-CLASS-73-189	c 34	N76-27517* #	US-PATENT-CLASS-73-398C	c 14	N72-22438* #
US-PATENT-CLASS-73-147	c 09	N71-16086*	US-PATENT-CLASS-73-189	c 34	N77-27345* #	US-PATENT-CLASS-73-398C	c 33	N76-21390* #
US-PATENT-CLASS-73-147	c 12	N71-20436*	US-PATENT-CLASS-73-189	c 34	N79-12359* #	US-PATENT-CLASS-73-398	c 14	N70-34816* #
US-PATENT-CLASS-73-147	c 09	N71-20816*	US-PATENT-CLASS-73-189	c 06	N80-18036* #	US-PATENT-CLASS-73-398	c 14	N71-21072*
US-PATENT-CLASS-73-147	c 11	N71-21481*	US-PATENT-CLASS-73-190H	c 35	N74-22095* #	US-PATENT-CLASS-73-398	c 09	N71-24597*
US-PATENT-CLASS-73-147	c 11	N71-23030*	US-PATENT-CLASS-73-190R	c 34	N74-27859* #	US-PATENT-CLASS-73-398	c 14	N73-30394* #
US-PATENT-CLASS-73-147	c 15	N71-27006*	US-PATENT-CLASS-73-190R	c 35	N81-19426* #	US-PATENT-CLASS-73-399	c 37	N76-18454* #
US-PATENT-CLASS-73-147	c 15	N71-28740*	US-PATENT-CLASS-73-190	c 33	N71-15641*	US-PATENT-CLASS-73-3	c 34	N74-27730* #
US-PATENT-CLASS-73-147	c 11	N71-33612*	US-PATENT-CLASS-73-190	c 14	N71-22989*	US-PATENT-CLASS-73-4R	c 35	N74-13132* #
US-PATENT-CLASS-73-147	c 11	N72-17183*	US-PATENT-CLASS-73-190	c 33	N71-23085*	US-PATENT-CLASS-73-4R	c 35	N79-14347* #
US-PATENT-CLASS-73-147	c 14	N72-21407* #	US-PATENT-CLASS-73-190	c 33	N71-28051*	US-PATENT-CLASS-73-4R	c 35	N80-18358* #
US-PATENT-CLASS-73-147	c 11	N72-22246*	US-PATENT-CLASS-73-194A	c 14	N72-17329* #	US-PATENT-CLASS-73-4V	c 35	N74-15092* #
US-PATENT-CLASS-73-147	c 11	N73-12264* #	US-PATENT-CLASS-73-194EM	c 14	N73-32326* #	US-PATENT-CLASS-73-405	c 14	N71-10779* #
US-PATENT-CLASS-73-147	c 14	N73-13415* #	US-PATENT-CLASS-73-194EM	c 35	N74-21018* #	US-PATENT-CLASS-73-407	c 15	N71-24910* #
US-PATENT-CLASS-73-147	c 12	N73-25262* #	US-PATENT-CLASS-73-194E	c 14	N73-20478* #	US-PATENT-CLASS-73-407	c 14	N71-28992*
US-PATENT-CLASS-73-147	c 12	N73-28144* #	US-PATENT-CLASS-73-194E	c 05	N73-32015* #	US-PATENT-CLASS-73-407	c 35	N74-32879* #
US-PATENT-CLASS-73-147	c 09	N74-17955* #	US-PATENT-CLASS-73-194F	c 14	N72-11365*	US-PATENT-CLASS-73-400	c 14	N71-23093*
US-PATENT-CLASS-73-147	c 34	N74-27730* #	US-PATENT-CLASS-73-194M	c 05	N73-32015* #	US-PATENT-CLASS-73-400	c 14	N71-24232*
US-PATENT-CLASS-73-147	c 09	N75-12969* #	US-PATENT-CLASS-73-194M	c 35	N75-30503* #	US-PATENT-CLASS-73-400	c 35	N79-33450* #
US-PATENT-CLASS-73-147	c 09	N76-23273* #	US-PATENT-CLASS-73-194R	c 34	N74-27517* #	US-PATENT-CLASS-73-401	c 14	N70-34920* #
US-PATENT-CLASS-73-147	c 34	N76-27517* #	US-PATENT-CLASS-73-194VS	c 34	N79-12359* #	US-PATENT-CLASS-73-40	c 35	N75-15931* #
US-PATENT-CLASS-73-147	c 09	N77-10071* #	US-PATENT-CLASS-73-194	c 14	N70-41994* #	US-PATENT-CLASS-73-40	c 35	N80-18358* #
US-PATENT-CLASS-73-147	c 09	N78-31129* #	US-PATENT-CLASS-73-194	c 14	N71-23226*	US-PATENT-CLASS-73-419	c 14	N71-22752*
US-PATENT-CLASS-73-147	c 35	N79-14347* #	US-PATENT-CLASS-73-194	c 12	N71-26546*	US-PATENT-CLASS-73-420	c 35	N74-13132* #
US-PATENT-CLASS-73-147	c 09	N79-21083* #	US-PATENT-CLASS-73-195	c 35	N75-30503* #	US-PATENT-CLASS-73-4215R	c 13	N72-25323* #
US-PATENT-CLASS-73-147	c 02	N80-20224* #	US-PATENT-CLASS-73-198	c 14	N69-24257* #	US-PATENT-CLASS-73-4215R	c 14	N73-30395* #
US-PATENT-CLASS-73-147	c 06	N81-17057* #	US-PATENT-CLASS-73-198	c 14	N72-17327* #	US-PATENT-CLASS-73-4215R	c 52	N74-20728*
US-PATENT-CLASS-73-147	c 09	N82-11088* #	US-PATENT-CLASS-73-1	c 10	N71-13545* #	US-PATENT-CLASS-73-4215R	c 35	N76-18401* #
US-PATENT-CLASS-73-147	c 09	N82-23254* #	US-PATENT-CLASS-73-1	c 09	N71-22988*	US-PATENT-CLASS-73-4215R	c 35	N77-32456* #
US-PATENT-CLASS-73-147	c 71	N83-17235* #	US-PATENT-CLASS-73-204	c 12	N71-17569*	US-PATENT-CLASS-73-4215	c 14	N73-12444* #
US-PATENT-CLASS-73-147	c 44	N83-21503* #	US-PATENT-CLASS-73-204	c 35	N76-24524* #	US-PATENT-CLASS-73-421R	c 54	N76-14804* #
US-PATENT-CLASS-73-147	c 44	N83-21504* #	US-PATENT-CLASS-73-204	c 35	N77-20400* #	US-PATENT-CLASS-73-422GC	c 13	N72-25323* #
US-PATENT-CLASS-73-147	c 74	N83-21949* #	US-PATENT-CLASS-73-205L	c 02	N80-20224* #	US-PATENT-CLASS-73-422TC	c 13	N72-25323* #
US-PATENT-CLASS-73-149	c 14	N72-11363*	US-PATENT-CLASS-73-212	c 14	N70-36824* #	US-PATENT-CLASS-73-422	c 14	N71-20435*
US-PATENT-CLASS-73-149	c 52	N74-10975* #	US-PATENT-CLASS-73-212	c 14	N73-13415* #	US-PATENT-CLASS-73-425	c 91	N76-30131* #
US-PATENT-CLASS-73-154	c 14	N71-17659*	US-PATENT-CLASS-73-212	c 35	N76-14429* #	US-PATENT-CLASS-73-4254R	c 35	N78-27384* #
US-PATENT-CLASS-73-154	c 35	N74-32879* #	US-PATENT-CLASS-73-212	c 06	N80-18036* #	US-PATENT-CLASS-73-4256	c 15	N72-21465*
US-PATENT-CLASS-73-156	c 14	N70-35368* #	US-PATENT-CLASS-73-221	c 35	N75-19611* #	US-PATENT-CLASS-73-432PS	c 76	N75-12810* #
US-PATENT-CLASS-73-156	c 14	N71-24234*	US-PATENT-CLASS-73-228	c 34	N77-27345* #	US-PATENT-CLASS-73-432PS	c 35	N75-33367* #
US-PATENT-CLASS-73-156	c 14	N71-26136*	US-PATENT-CLASS-73-231	c 08	N69-39936* #	US-PATENT-CLASS-73-432PS	c 35	N78-18390* #
US-PATENT-CLASS-73-156	c 32	N72-25877* #	US-PATENT-CLASS-73-231	c 06	N72-17094* #	US-PATENT-CLASS-73-432R	c 33	N73-27796* #
US-PATENT-CLASS-73-156	c 09	N74-19528* #	US-PATENT-CLASS-73-231	c 06	N72-25146* #	US-PATENT-CLASS-73-432R	c 14	N73-28487* #
US-PATENT-CLASS-73-156	c 35	N76-24223*	US-PATENT-CLASS-73-231	c 25	N76-18245* #	US-PATENT-CLASS-73-432R	c 91	N76-30131* #
US-PATENT-CLASS-73-156	c 35	N77-22450* #	US-PATENT-CLASS-73-231	c 23	N77-17161* #	US-PATENT-CLASS-73-432R	c 35	N77-19385* #
US-PATENT-CLASS-73-156	c 39	N78-10493* #	US-PATENT-CLASS-73-23	c 14	N71-10774* #	US-PATENT-CLASS-73-432R	c 35	N78-18390* #
US-PATENT-CLASS-73-157	c 33	N72-25913* #	US-PATENT-CLASS-73-23	c 05	N71-11202* #	US-PATENT-CLASS-73-432SD	c 11	N72-27262* #
US-PATENT-CLASS-73-157	c 14	N73-28486* #	US-PATENT-CLASS-73-23	c 52	N74-20728* #	US-PATENT-CLASS-73-432SD	c 11	N73-20267* #
US-PATENT-CLASS-73-157	c 25	N74-18551* #	US-PATENT-CLASS-73-23	c 35	N75-29380* #	US-PATENT-CLASS-73-432SD	c 35	N77-18417* #
US-PATENT-CLASS-73-157	c 31	N74-27900* #	US-PATENT-CLASS-73-23	c 25	N78-15210* #	US-PATENT-CLASS-73-432	c 11	N70-34786* #
US-PATENT-CLASS-73-157	c 09	N77-27131* #	US-PATENT-CLASS-73-23	c 35	N78-19465* #	US-PATENT-CLASS-73-432	c 11	N70-38675* #
US-PATENT-CLASS-73-157	c 74	N81-17887* #	US-PATENT-CLASS-73-24	c 06	N69-39733* #	US-PATENT-CLASS-73-432	c 05	N70-42000* #
US-PATENT-CLASS-73-155	c 46	N80-10709* #	US-PATENT-CLASS-73-28	c 14	N73-27376* #	US-PATENT-CLASS-73-432	c 31	N71-16221* #
US-PATENT-CLASS-73-155	c 46	N80-24906* #	US-PATENT-CLASS-73-28	c 14	N73-30395* #	US-PATENT-CLASS-73-432	c 27	N71-16223* #
US-PATENT-CLASS-73-159	c 31	N79-11246* #	US-PATENT-CLASS-73-28	c 35	N76-18401* #	US-PATENT-CLASS-73-432	c 30	N71-17788* #
US-PATENT-CLASS-73-159	c 14	N70-34156* #	US-PATENT-CLASS-73-28	c 35	N78-18390* #	US-PATENT-CLASS-73-432	c 14	N71-23227* #
US-PATENT-CLASS-73-15	c 14	N71-15992*	US-PATENT-CLASS-73-290B	c 14	N72-11363*	US-PATENT-CLASS-73-432	c 10	N71-26339* #
US-PATENT-CLASS-73-15	c 14	N71-22964*	US-PATENT-CLASS-73-290	c 14	N71-10500*	US-PATENT-CLASS-73-432	c 11	N71-28629*
US-PATENT-CLASS-73-15	c 11	N71-24985*	US-PATENT-CLASS-73-290	c 14	N71-21007*	US-PATENT-CLASS-73-432	c 14	N71-30026*
US-PATENT-CLASS-73-15	c 11	N71-28629*	US-PATENT-CLASS-73-295	c 23	N71-17802*	US-PATENT-CLASS-73-432	c 35	N74-21062* #
US-PATENT-CLASS-73-161	c 11	N72-25288*	US-PATENT-CLASS-73-295	c 31	N76-14284* #	US-PATENT-CLASS-73-455	c 12	N71-17573* #
US-PATENT-CLASS-73-170A	c 35	N78-27384* #	US-PATENT-CLASS-73-29	c 14	N71-17701*	US-PATENT-CLASS-73-456	c 35	N78-24515* #
US-PATENT-CLASS-73-170A	c 48	N80-18667* #	US-PATENT-CLASS-73-29	c 14	N71-20741*	US-PATENT-CLASS-73-46	c 35	N75-19812* #
US-PATENT-CLASS-73-170R	c 07	N73-20175* #	US-PATENT-CLASS-73-301	c 12	N71-26387*	US-PATENT-CLASS-73-492	c 32	N71-24285*
US-PATENT-CLASS-73-170R	c 14	N73-28487* #	US-PATENT-CLASS-73-304C	c 14	N71-29134*	US-PATENT-CLASS-73-492	c 35	N75-15931* #
US-PATENT-CLASS-73-170R	c 14	N73-32327* #	US-PATENT-CLASS-73-304	c 14	N72-22442*	US-PATENT-CLASS-73-492	c 35	N75-19812* #
US-PATENT-CLASS-73-170R	c 33	N74-27862*	US-PATENT-CLASS-73-30	c 14	N74-16811* #	US-PATENT-CLASS-73-493	c 14	N71-26672*
US-PATENT-CLASS-73-170R	c 35	N75-33367* #	US-PATENT-CLASS-73-32R	c 76	N75-12810* #	US-PATENT-CLASS-73-498	c 14	N69-27503* #
US-PATENT-CLASS-73-170R	c 91	N76-30131* #	US-PATENT-CLASS-73-32	c 14	N70-41330* #	US-PATENT-CLASS-73-498	c 15	N71-29132*
US-PATENT-CLASS-73-170R	c 06	N83-10040* #	US-PATENT-CLASS-73-336S	c 35	N78-25391* #	US-PATENT-CLASS-73-490	c 04	N81-21047* #
US-PATENT-CLASS-73-170	c 14	N71-14996* #	US-PATENT-CLASS-73-339	c 33	N73-2796* #	US-PATENT-CLASS-73-492	c 14	N72-25411* #
US-PATENT-CLASS-73-170	c 17	N73-32415* #	US-PATENT-CLASS-73-341	c 14	N71-15598* #	US-PATENT-CLASS-73-493	c 17	N76-29347* #
US-PATENT-CLASS-73-178R	c 35	N75-29381* #	US-PATENT-CLASS-73-341	c 44	N82-16474* #	US-PATENT-CLASS-73-497	c 14	N71-30265* #
US-PATENT-CLASS-73-178R	c 04	N77-19056* #	US-PATENT-CLASS-73-343R	c 52	N77-10780* #	US-PATENT-CLASS-73-497	c 35	N74-15094* #
US-PATENT-CLASS-73-178R	c 37	N78-27424* #	US-PATENT-CLASS-73-343R	c 35	N80-18357* #	US-PATENT-CLASS-73-498	c 14	N71-18481*
US-PATENT-CLASS-73-178R	c 35	N79-26372* #	US-PATENT-CLASS-73-343	c 33	N71-16356*	US-PATENT-CLASS-73-4	c 14	N71-23036*
US-PATENT-CLASS-73-178R	c 06	N81-17057* #	US-PATENT-CLASS-73-343	c 11	N71-21475*	US-PATENT-CLASS-73-4	c 14	N71-23755*
US-PATENT-CLASS-73-178R	c 04	N81-21047* #	US-PATENT-CLASS-73-355R	c 14	N72-24477*	US-PATENT-CLASS-73-4	c 14	N72-30390* #
US-PATENT-CLASS-73-178R	c 18	N81-29152* #	US-PATENT-CLASS-73-355R	c 35	N80-18359* #	US-PATENT-CLASS-73-504	c 04	N81-21047* #
US-PATENT-CLASS-73-178R	c 06	N82-16075* #	US-PATENT-CLASS-73-355	c 14	N71-27323*	US-PATENT-CLASS-73-505	c 23	N71-16098*
US-PATENT-CLASS-73-178R	c 06	N83-10040* #	US-PATENT-CLASS-73-355	c 14	N72-28437* #	US-PATENT-CLASS-73-505	c 12	N75-24774* #
US-PATENT-CLASS-73-178	c 14	N70-36807* #	US-PATENT-CLASS-73-356	c 35	N75-25122* #	US-PATENT-CLASS-73-505	c 71	N78-10837* #
US-PATENT-CLASS-73-178	c 14	N70-40157* #	US-PATENT-CLASS-73-35	c 33	N72-27959* #	US-PATENT-CLASS-73-505	c 71	N79-20287* #
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US-PATENT-CLASS-73-521	c 14	N72-25410* #	US-PATENT-CLASS-73-88 5	c 14	N71-24233*	US-PATENT-CLASS-75- 5B	c 17	N72-22530* #
US-PATENT-CLASS-73-557	c 35	N75-19614* #	US-PATENT-CLASS-73-88 5	c 09	N72-22200* #	US-PATENT-CLASS-75-DIG 1	c 18	N72-25539* #
US-PATENT-CLASS-73-557	c 07	N76-27232* #	US-PATENT-CLASS-73-88 5	c 33	N75-31329* #	US-PATENT-CLASS-75-DIG 1	c 37	N75-26371* #
US-PATENT-CLASS-73-56	c 35	N80-18357* #	US-PATENT-CLASS-73-88 5	c 38	N76-28563* #	US-PATENT-CLASS-75-0 5BB	c 15	N72-25448* #
US-PATENT-CLASS-73-579	c 39	N78-15512* #	US-PATENT-CLASS-73-88A	c 32	N73-20740* #	US-PATENT-CLASS-75-122 7	c 37	N77-19458* #
US-PATENT-CLASS-73-579	c 35	N79-10390* #	US-PATENT-CLASS-73-88F	c 39	N78-15512* #	US-PATENT-CLASS-75-124	c 26	N78-18182* #
US-PATENT-CLASS-73-579	c 33	N83-16626* #	US-PATENT-CLASS-73-88R	c 35	N74-13129* #	US-PATENT-CLASS-75-124	c 26	N80-32484* #
US-PATENT-CLASS-73-57	c 14	N71-17584*	US-PATENT-CLASS-73-88R	c 35	N77-22449* #	US-PATENT-CLASS-75-126D	c 26	N78-18182* #
US-PATENT-CLASS-73-57	c 14	N73-14429* #	US-PATENT-CLASS-73-88R	c 39	N77-28511* #	US-PATENT-CLASS-75-126F	c 26	N78-18182* #
US-PATENT-CLASS-73-589	c 35	N79-10390* #	US-PATENT-CLASS-73-88	c 32	N71-17645*	US-PATENT-CLASS-75-128G	c 26	N78-18182* #
US-PATENT-CLASS-73-587	c 33	N83-16626* #	US-PATENT-CLASS-73-90	c 32	N70-42003* #	US-PATENT-CLASS-75-128T	c 26	N78-18182* #
US-PATENT-CLASS-73-603	c 38	N78-32447* #	US-PATENT-CLASS-73-90	c 32	N71-25360*	US-PATENT-CLASS-75-134D	c 76	N79-16678* #
US-PATENT-CLASS-73-60	c 14	N73-14429* #	US-PATENT-CLASS-73-90	c 14	N73-20476* #	US-PATENT-CLASS-75-135	c 18	N73-32437* #
US-PATENT-CLASS-73-61 1C	c 23	N77-17161* #	US-PATENT-CLASS-73-91	c 14	N73-20476* #	US-PATENT-CLASS-75-135	c 24	N77-21787* #
US-PATENT-CLASS-73-61R	c 35	N78-27384* #	US-PATENT-CLASS-73-91	c 32	N73-26910* #	US-PATENT-CLASS-75-135	c 26	N80-23419* #
US-PATENT-CLASS-73-61	c 14	N71-26199*	US-PATENT-CLASS-73-91	c 09	N74-19528*	US-PATENT-CLASS-75-138	c 26	N80-23419* #
US-PATENT-CLASS-73-626	c 52	N79-26771* #	US-PATENT-CLASS-73-91	c 39	N78-10493* #	US-PATENT-CLASS-75-139	c 24	N77-21787* #
US-PATENT-CLASS-73-629	c 33	N83-16626* #	US-PATENT-CLASS-73-94	c 14	N73-32323* #	US-PATENT-CLASS-75-142	c 17	N71-20743* #
US-PATENT-CLASS-73-630	c 39	N78-15512* #	US-PATENT-CLASS-73-95	c 15	N71-24834*	US-PATENT-CLASS-75-170	c 17	N71-15644* #
US-PATENT-CLASS-73-632	c 38	N79-14398* #	US-PATENT-CLASS-73-95	c 14	N72-11364*	US-PATENT-CLASS-75-170	c 17	N71-16025* #
US-PATENT-CLASS-73-633	c 52	N79-14751* #	US-PATENT-CLASS-73-95	c 35	N76-18400* #	US-PATENT-CLASS-75-170	c 17	N71-23248* #
US-PATENT-CLASS-73-641	c 38	N79-14398* #	US-PATENT-CLASS-73-95	c 35	N77-22450* #	US-PATENT-CLASS-75-170	c 17	N72-22535* #
US-PATENT-CLASS-73-644	c 38	N79-14398* #	US-PATENT-CLASS-73-95	c 31	N79-11246* #	US-PATENT-CLASS-75-170	c 37	N77-19458* #
US-PATENT-CLASS-73-644	c 52	N79-14751* #	US-PATENT-CLASS-73-97	c 14	N71-15600* #	US-PATENT-CLASS-75-170	c 26	N77-20201* #
US-PATENT-CLASS-73-646	c 71	N78-14867* #	US-PATENT-CLASS-73-99	c 14	N71-10781* #	US-PATENT-CLASS-75-170	c 26	N77-32279* #
US-PATENT-CLASS-73-647	c 32	N79-24203* #	US-PATENT-CLASS-73-9	c 14	N71-22995*	US-PATENT-CLASS-75-170	c 26	N77-32280* #
US-PATENT-CLASS-73-655	c 35	N80-14371* #	US-PATENT-CLASS-73-9	c 35	N76-31489* #	US-PATENT-CLASS-75-170	c 26	N78-18183* #
US-PATENT-CLASS-73-65	c 14	N71-22992*	US-PATENT-CLASS-74-100R	c 37	N78-31426* #	US-PATENT-CLASS-75-171	c 17	N70-33283* #
US-PATENT-CLASS-73-661	c 35	N80-14371* #	US-PATENT-CLASS-74-100	c 15	N71-24045*	US-PATENT-CLASS-75-171	c 17	N70-36616* #
US-PATENT-CLASS-73-671	c 35	N75-12217* #	US-PATENT-CLASS-74-105	c 09	N72-22195*	US-PATENT-CLASS-75-171	c 17	N71-16026* #
US-PATENT-CLASS-73-672	c 11	N69-21540* #	US-PATENT-CLASS-74-110	c 44	N83-14693* #	US-PATENT-CLASS-75-171	c 17	N73-32415* #
US-PATENT-CLASS-73-672	c 15	N71-18132*	US-PATENT-CLASS-74-126	c 15	N71-21529*	US-PATENT-CLASS-75-172	c 17	N71-23365* #
US-PATENT-CLASS-73-672	c 14	N72-22440* #	US-PATENT-CLASS-74-18 1	c 37	N82-24493* #	US-PATENT-CLASS-75-173	c 26	N75-27126* #
US-PATENT-CLASS-73-672	c 35	N78-17358* #	US-PATENT-CLASS-74-18 2	c 11	N71-27036*	US-PATENT-CLASS-75-173	c 26	N75-27127* #
US-PATENT-CLASS-73-67 3	c 32	N73-26910* #	US-PATENT-CLASS-74-18 2	c 37	N82-24493* #	US-PATENT-CLASS-75-178R	c 04	N76-20114* #
US-PATENT-CLASS-73-675R	c 38	N74-15395* #	US-PATENT-CLASS-74-217R	c 37	N74-23070* #	US-PATENT-CLASS-75-178R	c 26	N80-23419* #
US-PATENT-CLASS-73-677	c 39	N77-28511* #	US-PATENT-CLASS-74-2	c 15	N71-24600*	US-PATENT-CLASS-75-20F	c 15	N72-11387* #
US-PATENT-CLASS-73-678S	c 35	N74-10415* #	US-PATENT-CLASS-74-2	c 31	N73-14855* #	US-PATENT-CLASS-75-200	c 26	N74-10521* #
US-PATENT-CLASS-73-678S	c 38	N74-15130* #	US-PATENT-CLASS-74-384	c 37	N76-15457* #	US-PATENT-CLASS-75-200	c 37	N74-13179* #
US-PATENT-CLASS-73-679	c 52	N74-20726* #	US-PATENT-CLASS-74-385	c 07	N78-17056* #	US-PATENT-CLASS-75-200	c 24	N75-13032* #
US-PATENT-CLASS-73-683 31	c 35	N81-29407* #	US-PATENT-CLASS-74-409	c 15	N71-21744*	US-PATENT-CLASS-75-200	c 37	N75-26371* #
US-PATENT-CLASS-73-684 52	c 35	N81-29407* #	US-PATENT-CLASS-74-417	c 07	N78-17056* #	US-PATENT-CLASS-75-200	c 24	N80-33482* #
US-PATENT-CLASS-73-69	c 71	N74-31148* #	US-PATENT-CLASS-74-417	c 37	N81-14318* #	US-PATENT-CLASS-75-202	c 17	N71-15468* #
US-PATENT-CLASS-73-702	c 14	N71-10616* #	US-PATENT-CLASS-74-417	c 37	N81-17432* #	US-PATENT-CLASS-75-203	c 27	N79-14213* #
US-PATENT-CLASS-73-71 2	c 14	N70-34794* #	US-PATENT-CLASS-74-424 8VA	c 37	N75-15050* #	US-PATENT-CLASS-75-204	c 18	N71-22894* #
US-PATENT-CLASS-73-71 3	c 35	N74-15146* #	US-PATENT-CLASS-74-424 8	c 15	N71-26635*	US-PATENT-CLASS-75-205	c 27	N79-14213* #
US-PATENT-CLASS-73-71 4	c 32	N71-16428*	US-PATENT-CLASS-74-425	c 37	N80-32716* #	US-PATENT-CLASS-75-206	c 15	N72-25448* #
US-PATENT-CLASS-73-71 4	c 32	N71-26681*	US-PATENT-CLASS-74-436	c 37	N75-13266* #	US-PATENT-CLASS-75-206	c 27	N79-14213* #
US-PATENT-CLASS-73-71 5R	c 71	N74-31148* #	US-PATENT-CLASS-74-468	c 15	N71-24984*	US-PATENT-CLASS-75-208R	c 37	N75-26371* #
US-PATENT-CLASS-73-71 5U	c 38	N74-15395* #	US-PATENT-CLASS-74-469	c 15	N72-21463*	US-PATENT-CLASS-75-208	c 18	N72-25539* #
US-PATENT-CLASS-73-71 6	c 14	N71-27185*	US-PATENT-CLASS-74-469	c 15	N72-28495*	US-PATENT-CLASS-75-211	c 18	N72-25539* #
US-PATENT-CLASS-73-71 6	c 14	N72-27412*	US-PATENT-CLASS-74-471XY	c 54	N75-27760*	US-PATENT-CLASS-75-212	c 37	N75-26371* #
US-PATENT-CLASS-73-71 6	c 14	N73-13416*	US-PATENT-CLASS-74-471	c 05	N70-41581*	US-PATENT-CLASS-75-212	c 27	N79-14213* #
US-PATENT-CLASS-73-71 6	c 14	N73-19421*	US-PATENT-CLASS-74-471	c 03	N70-42073*	US-PATENT-CLASS-75-213	c 15	N72-25448* #
US-PATENT-CLASS-73-71 6	c 35	N77-16417*	US-PATENT-CLASS-74-471	c 15	N71-20740*	US-PATENT-CLASS-75-213	c 37	N74-13179* #
US-PATENT-CLASS-73-714	c 35	N79-14347*	US-PATENT-CLASS-74-474	c 08	N82-24205* #	US-PATENT-CLASS-75-214	c 37	N74-13179* #
US-PATENT-CLASS-73-714	c 34	N79-24285*	US-PATENT-CLASS-74-480R	c 05	N75-12930* #	US-PATENT-CLASS-75-214	c 37	N75-26371* #
US-PATENT-CLASS-73-721	c 35	N79-14347*	US-PATENT-CLASS-74-480R	c 08	N82-24205* #	US-PATENT-CLASS-75-222	c 28	N70-38197* #
US-PATENT-CLASS-73-724	c 32	N79-24203*	US-PATENT-CLASS-74-5 12	c 31	N71-26537*	US-PATENT-CLASS-75-222	c 37	N75-26371* #
US-PATENT-CLASS-73-724	c 52	N80-18691*	US-PATENT-CLASS-74-5 22	c 21	N73-13644*	US-PATENT-CLASS-75-222	c 24	N80-33482* #
US-PATENT-CLASS-73-724	c 33	N82-26572*	US-PATENT-CLASS-74-5 34	c 04	N76-26175*	US-PATENT-CLASS-75-225	c 34	N76-27515* #
US-PATENT-CLASS-73-756	c 35	N78-24515*	US-PATENT-CLASS-74-5 47	c 21	N71-23289*	US-PATENT-CLASS-75-226	c 18	N72-25539* #
US-PATENT-CLASS-73-756	c 35	N79-14347*	US-PATENT-CLASS-74-5 5	c 35	N74-28097*	US-PATENT-CLASS-75-226	c 26	N74-10521* #
US-PATENT-CLASS-73-761	c 33	N83-16626*	US-PATENT-CLASS-74-5 6	c 35	N74-15094*	US-PATENT-CLASS-75-226	c 37	N74-13179* #
US-PATENT-CLASS-73-76	c 06	N70-17095*	US-PATENT-CLASS-74-5 7	c 35	N74-18323*	US-PATENT-CLASS-75-226	c 27	N79-14213* #
US-PATENT-CLASS-73-770	c 39	N79-22537*	US-PATENT-CLASS-74-5 7	c 15	N76-14158*	US-PATENT-CLASS-75-229	c 27	N78-17206* #
US-PATENT-CLASS-73-781	c 52	N80-27072*	US-PATENT-CLASS-74-5F	c 15	N73-12488*	US-PATENT-CLASS-75-239	c 27	N78-17206* #
US-PATENT-CLASS-73-789	c 14	N71-26161*	US-PATENT-CLASS-74-501R	c 15	N72-22485*	US-PATENT-CLASS-75-241	c 27	N78-17206* #
US-PATENT-CLASS-73-810	c 39	N79-22537*	US-PATENT-CLASS-74-515E	c 54	N78-17676*	US-PATENT-CLASS-75-25	c 28	N81-15119* #
US-PATENT-CLASS-73-818	c 35	N83-21312*	US-PATENT-CLASS-74-518	c 03	N70-41954*	US-PATENT-CLASS-75-63	c 15	N71-27184* #
US-PATENT-CLASS-73-81	c 14	N73-32321*	US-PATENT-CLASS-74-519	c 05	N81-19087*	US-PATENT-CLASS-75-65R	c 24	N77-27187* #
US-PATENT-CLASS-73-82	c 43	N79-25443*	US-PATENT-CLASS-74-572	c 07	N78-33101*	US-PATENT-CLASS-75-66	c 17	N71-26773* #
US-PATENT-CLASS-73-82	c 43	N80-14423*	US-PATENT-CLASS-74-572	c 37	N79-10422*	US-PATENT-CLASS-75-66	c 06	N73-13129* #
US-PATENT-CLASS-73-82	c 43	N80-23711*	US-PATENT-CLASS-74-572	c 44	N79-14527*	US-PATENT-CLASS-75-66	c 17	N73-28573* #
US-PATENT-CLASS-73-834	c 14	N71-22765*	US-PATENT-CLASS-74-572	c 24	N81-28163*	US-PATENT-CLASS-75-66	c 27	N81-15104* #
US-PATENT-CLASS-73-834	c 14	N73-19420*	US-PATENT-CLASS-74-588	c 37	N79-14382*	US-PATENT-CLASS-77 5CH	c 27	N81-15104* #
US-PATENT-CLASS-73-834	c 35	N77-27367*	US-PATENT-CLASS-74-594 6	c 37	N74-18127*	US-PATENT-CLASS-78-7 1	c 15	N71-33330* #
US-PATENT-CLASS-73-835	c 14	N72-33377*	US-PATENT-CLASS-74-594 7	c 37	N74-18127*	US-PATENT-CLASS-78-788-704	c 36	N79-18307* #
US-PATENT-CLASS-73-861 65	c 02	N80-28300*	US-PATENT-CLASS-74-63	c 15	N71-17692*	US-PATENT-CLASS-8-DIG 12	c 27	N80-26446* #
US-PATENT-CLASS-73-861 66	c 02	N80-28300*	US-PATENT-CLASS-74-661	c 37	N80-32716*	US-PATENT-CLASS-8-DIG 18	c 27	N80-26446* #
US-PATENT-CLASS-73-861	c 34	N81-26402*	US-PATENT-CLASS-74-665B	c 37	N76-15457*	US-PATENT-CLASS-8-115 5	c 27	N80-26446* #
US-PATENT-CLASS-73-862 08	c 54	N82-26987*	US-PATENT-CLASS-74-665C	c 37	N80-32716*	US-PATENT-CLASS-8-150	c 09	N82-29330* #
US-PATENT-CLASS-73-866	c 14	N69-39875*	US-PATENT-CLASS-74-674	c 37	N79-20377*	US-PATENT-CLASS-8-83	c 51	N77-27677* #
US-PATENT-CLASS-73-866	c 33	N71-21586*	US-PATENT-CLASS-74-675	c 37	N74-27901*	US-PATENT-CLASS-8-94 11	c 18	N71-15545* #
US-PATENT-CLASS-73-866	c 33	N73-27798*	US-PATENT-CLASS-74-705	c 37	N79-20377*	US-PATENT-CLASS-8-94 12	c 37	N79-14383* #
US-PATENT-CLASS-73-866	c 34	N74-15652*	US-PATENT-CLASS-74-710	c 37	N74-27901*	US-PATENT-CLASS-8-119	c 37	N79-14383* #
US-PATENT-CLASS-73-885R	c 15	N72-17452*	US-PATENT-CLASS-74-764	c 37	N79-20377*	US-PATENT-CLASS-8-180B	c 37	N79-14383* #
US-PATENT-CLASS-73-885R	c 32	N73-26910*	US-PATENT-CLASS-74-800	c 37	N78-17385*	US-PATENT-CLASS-8-13R	c 15	N71-29133* #
US-PATENT-CLASS-73-885R	c 52	N74-27864*	US-PATENT-CLASS-74-81</					

US-PATENT-CLASS-82-14	c 15	N71-22722*	US-PATENT-CLASS-95-42	c 14	N73-32322* #	US-PATENT-3,100,990	c 14	N70-34813* #
US-PATENT-CLASS-82-24R	c 14	N72-16283* #	US-PATENT-CLASS-95-44	c 14	N71-26474*	US-PATENT-3,102,948	c 15	N70-34814* #
US-PATENT-CLASS-82-36R	c 37	N81-14319* #	US-PATENT-CLASS-95-53EA	c 33	N74-20861* #	US-PATENT-3,104,079	c 31	N70-37986* #
US-PATENT-CLASS-83-152	c 76	N80-18951* #	US-PATENT-CLASS-95-53	c 15	N71-21060*	US-PATENT-3,104,082	c 02	N70-38011* #
US-PATENT-CLASS-83-451	c 37	N77-14478* #	US-PATENT-CLASS-95-58	c 14	N70-40273* #	US-PATENT-3,105,515	c 15	N70-38603* #
US-PATENT-CLASS-83-452	c 39	N74-13131* #	US-PATENT-CLASS-95-59	c 14	N73-14427* #	US-PATENT-3,106,603	c 09	N70-38201* #
US-PATENT-CLASS-83-467R	c 37	N77-14478* #	US-PATENT-CLASS-95-89R	c 35	N74-15831* #	US-PATENT-3,108,171	c 33	N70-34812* #
US-PATENT-CLASS-83-467	c 15	N71-22798*	US-PATENT-CLASS-96-27R	c 35	N79-10389* #	US-PATENT-3,110,318	c 12	N70-38997* #
US-PATENT-CLASS-83-522	c 15	N72-27485* #	US-PATENT-CLASS-96-36 2	c 06	N72-21094* #	US-PATENT-3,112,672	c 11	N70-38202* #
US-PATENT-CLASS-83-562	c 15	N72-27485* #	US-PATENT-CLASS-96-36 2	c 15	N72-25452* #	US-PATENT-3,115,630	c 31	N70-37981* #
US-PATENT-CLASS-83-563	c 15	N72-27485* #	US-PATENT-CLASS-96-38 3	c 35	N74-26946* #	US-PATENT-3,118,100	c 03	N71-29129* #
US-PATENT-CLASS-83-588	c 15	N72-27485* #	US-PATENT-CLASS-96-49	c 14	N71-17574*	US-PATENT-3,119,086	c 35	N79-33449* #
US-PATENT-CLASS-83-602	c 39	N74-13131* #	US-PATENT-CLASS-96-60R	c 35	N79-10389* #	US-PATENT-3,119,232	c 28	N70-37980* #
US-PATENT-CLASS-83-820	c 37	N80-29703* #	US-PATENT-CLASS-96-79	c 35	N74-26946* #	US-PATENT-3,120,101	c 28	N70-34860* #
US-PATENT-CLASS-83-870	c 76	N80-18951* #	US-PATENT-CLASS-96-87A	c 27	N78-14164* #	US-PATENT-3,120,361	c 31	N70-38010* #
US-PATENT-CLASS-83-8	c 15	N72-27485* #	US-PATENT-CLASS-96-90PC	c 14	N72-22443* #	US-PATENT-3,120,738	c 28	N70-38249* #
US-PATENT-CLASS-83-917	c 39	N74-13131* #	US-PATENT-CLASS-98-1 5	c 44	N78-32539* #	US-PATENT-3,121,309	c 28	N70-35381* #
US-PATENT-CLASS-85-1	c 15	N72-22488* #	US-PATENT-CLASS-98-1	c 54	N78-17679* #	US-PATENT-3,122,000	c 15	N70-38200* #
US-PATENT-CLASS-85-33	c 15	N71-15922*	US-PATENT-CLASS-98-39	c 31	N74-27902* #	US-PATENT-3,122,098	c 28	N70-38181* #
US-PATENT-CLASS-85-33	c 15	N71-21489*	US-PATENT-CLASS-99-80PS	c 05	N72-33096* #	US-PATENT-3,122,885	c 28	N70-38710* #
US-PATENT-CLASS-85-3	c 15	N71-17653*				US-PATENT-3,123,248	c 11	N70-38182* #
US-PATENT-CLASS-85-58	c 15	N72-11385*	US-PATENT-DES-228,688	c 05	N74-10907* #	US-PATENT-3,123,418	c 37	N79-33467* #
US-PATENT-CLASS-85-7	c 15	N71-23254*				US-PATENT-3,123,692	c 33	N79-3393* #
US-PATENT-CLASS-85R	c 27	N81-15104* #	US-PATENT-RE-26,548	c 07	N71-12389* #	US-PATENT-3,127,157	c 15	N70-38225* #
US-PATENT-CLASS-86-1R	c 28	N77-10213* #	US-PATENT-RE-28,921	c 52	N76-30793* #	US-PATENT-3,128,389	c 09	N70-38604* #
US-PATENT-CLASS-86-1R	c 20	N77-17143* #				US-PATENT-3,128,845	c 15	N70-38601* #
US-PATENT-CLASS-86-1	c 28	N71-26779*	US-PATENT-2,837,706	c 15	N71-28952*	US-PATENT-3,130,940	c 33	N70-33344* #
US-PATENT-CLASS-86-20 2	c 28	N71-26779*	US-PATENT-2,898,889	c 02	N71-29128*	US-PATENT-3,131,040	c 37	N79-21345* #
US-PATENT-CLASS-86-20R	c 20	N77-17143* #	US-PATENT-2,903,307	c 15	N71-29136*	US-PATENT-3,132,342	c 07	N70-38200* #
US-PATENT-CLASS-88-14	c 14	N70-34298* #	US-PATENT-2,926,123	c 33	N71-29151*	US-PATENT-3,132,476	c 28	N70-34294* #
US-PATENT-CLASS-88-14	c 14	N70-40003* #	US-PATENT-2,934,331	c 15	N70-3382*	US-PATENT-3,132,479	c 15	N70-28951* #
US-PATENT-CLASS-88-14	c 14	N70-41946* #	US-PATENT-2,940,259	c 28	N70-33241*	US-PATENT-3,132,903	c 15	N70-38620* #
US-PATENT-CLASS-88-14	c 14	N70-41955* #	US-PATENT-2,944,316	c 15	N71-16076*	US-PATENT-3,134,389	c 37	N79-33468* #
US-PATENT-CLASS-88-14	c 09	N71-22999*	US-PATENT-2,945,667	c 15	N70-33376*	US-PATENT-3,135,089	c 28	N70-38504* #
US-PATENT-CLASS-88-16	c 14	N70-33254* #	US-PATENT-2,956,772	c 33	N71-29152*	US-PATENT-3,135,090	c 28	N70-38505* #
US-PATENT-CLASS-88-1	c 21	N70-35427* #	US-PATENT-2,960,002	c 14	N70-41946* #	US-PATENT-3,136,123	c 28	N70-38199* #
US-PATENT-CLASS-88-1	c 21	N70-22880*	US-PATENT-2,971,837	c 17	N70-33283*	US-PATENT-3,138,837	c 17	N70-38198* #
US-PATENT-CLASS-88-24	c 23	N71-21882*	US-PATENT-2,974,925	c 28	N70-33372*	US-PATENT-3,139,725	c 28	N70-38645* #
US-PATENT-CLASS-89-1 5G	c 08	N82-32373* #	US-PATENT-2,984,735	c 11	N70-3329*	US-PATENT-3,140,728	c 15	N70-36908* #
US-PATENT-CLASS-89-1 5	c 31	N71-15675*	US-PATENT-2,991,671	c 15	N70-33330*	US-PATENT-3,141,340	c 11	N70-38196* #
US-PATENT-CLASS-89-1 5	c 15	N71-24600*	US-PATENT-2,991,961	c 02	N70-33332*	US-PATENT-3,141,769	c 28	N70-38197* #
US-PATENT-CLASS-89-1 7	c 11	N70-38202* #	US-PATENT-2,996,212	c 31	N71-17680*	US-PATENT-3,141,932	c 03	N70-38713* #
US-PATENT-CLASS-89-1 7	c 30	N70-40353* #	US-PATENT-2,997,274	c 28	N71-29154*	US-PATENT-3,143,321	c 15	N70-34850* #
US-PATENT-CLASS-89-1 7	c 03	N71-12258*	US-PATENT-3,001,363	c 28	N70-33331*	US-PATENT-3,143,651	c 14	N70-40240* #
US-PATENT-CLASS-89-1 7	c 03	N71-12259*	US-PATENT-3,001,395	c 14	N70-33866*	US-PATENT-3,144,219	c 31	N70-38676* #
US-PATENT-CLASS-89-1 801	c 20	N76-22296*	US-PATENT-3,001,739	c 03	N70-33343*	US-PATENT-3,144,999	c 02	N70-34856* #
US-PATENT-CLASS-89-1 806	c 15	N71-24043*	US-PATENT-3,004,189	c 37	N75-29426* #	US-PATENT-3,145,874	c 11	N71-15960* #
US-PATENT-CLASS-89-1 811	c 15	N72-17455* #	US-PATENT-3,004,735	c 14	N70-3322*	US-PATENT-3,147,422	c 09	N70-38712* #
US-PATENT-CLASS-89-1	c 03	N70-34667* #	US-PATENT-3,005,081	c 09	N70-3312*	US-PATENT-3,149,897	c 09	N70-36494* #
US-PATENT-CLASS-89-1	c 15	N71-16078*	US-PATENT-3,005,339	c 11	N70-33287*	US-PATENT-3,150,329	c 09	N70-38995* #
US-PATENT-CLASS-89-8	c 11	N71-18578*	US-PATENT-3,008,229	c 15	N70-3311*	US-PATENT-3,150,387	c 03	N70-36778* #
US-PATENT-CLASS-89-8	c 11	N73-32152*	US-PATENT-3,010,372	c 15	N70-33180*	US-PATENT-3,152,344	c 05	N70-36493* #
US-PATENT-CLASS-89-8	c 75	N76-14931*	US-PATENT-3,011,760	c 15	N70-33226*	US-PATENT-3,155,992	c 05	N70-34857* #
US-PATENT-CLASS-89-8	c 75	N76-17951*	US-PATENT-3,012,400	c 28	N70-33374*	US-PATENT-3,156,090	c 28	N70-37245* #
US-PATENT-CLASS-89-8	c 09	N79-21084* #	US-PATENT-3,012,407	c 15	N70-33233*	US-PATENT-3,157,529	c 18	N70-36400* #
US-PATENT-CLASS-89-9-11A	c 02	N73-26006*	US-PATENT-3,016,693	c 28	N70-33356*	US-PATENT-3,158,172	c 15	N70-34817* #
US-PATENT-CLASS-89-9-11A	c 54	N74-14845*	US-PATENT-3,016,863	c 12	N70-33305*	US-PATENT-3,158,336	c 31	N70-36410* #
US-PATENT-CLASS-89-9-11	c 05	N70-34857*	US-PATENT-3,022,672	c 14	N70-34861*	US-PATENT-3,158,764	c 03	N70-36803* #
US-PATENT-CLASS-9-2A	c 02	N73-26006*	US-PATENT-3,024,659	c 14	N70-34820*	US-PATENT-3,159,967	c 28	N70-36802* #
US-PATENT-CLASS-9-312	c 05	N71-22748*	US-PATENT-3,028,122	c 02	N70-33286*	US-PATENT-3,160,825	c 14	N70-35220* #
US-PATENT-CLASS-9-316	c 05	N70-36493*	US-PATENT-3,028,126	c 21	N70-33279*	US-PATENT-3,160,950	c 15	N70-36409* #
US-PATENT-CLASS-9-3	c 02	N73-26006*	US-PATENT-3,028,128	c 31	N70-33242*	US-PATENT-3,162,012	c 15	N70-36411* #
US-PATENT-CLASS-9-8	c 03	N70-36778*	US-PATENT-3,035,333	c 28	N70-41818*	US-PATENT-3,163,935	c 14	N70-36907* #
US-PATENT-CLASS-9-9	c 15	N71-24600*	US-PATENT-3,038,077	c 21	N70-33181*	US-PATENT-3,164,222	c 15	N70-34861* #
US-PATENT-CLASS-90-11	c 15	N71-33518*	US-PATENT-3,038,175	c 05	N70-33285*	US-PATENT-3,164,369	c 15	N70-36412* #
US-PATENT-CLASS-90-12 5	c 37	N74-25968*	US-PATENT-3,041,587	c 14	N70-33179*	US-PATENT-3,165,356	c 05	N70-35152* #
US-PATENT-CLASS-90-12	c 15	N71-22799*	US-PATENT-3,041,924	c 14	N70-33254*	US-PATENT-3,166,834	c 15	N70-36901* #
US-PATENT-CLASS-91-186	c 05	N73-32014*	US-PATENT-3,045,424	c 28	N70-40367* #	US-PATENT-3,167,426	c 17	N70-36616* #
US-PATENT-CLASS-91-325	c 37	N81-32510*	US-PATENT-3,049,876	c 28	N70-33284*	US-PATENT-3,168,827	c 14	N70-36807* #
US-PATENT-CLASS-91-341R	c 37	N81-32510*	US-PATENT-3,053,484	c 02	N70-33255*	US-PATENT-3,169,001	c 02	N70-36825* #
US-PATENT-CLASS-91-361	c 15	N71-27754*	US-PATENT-3,057,597	c 15	N70-33264*	US-PATENT-3,169,613	c 15	N70-36947* #
US-PATENT-CLASS-91-363A	c 15	N73-13466*	US-PATENT-3,059,220	c 09	N70-33182*	US-PATENT-3,169,725	c 31	N70-34296* #
US-PATENT-CLASS-91-390	c 15	N71-27147*	US-PATENT-3,063,291	c 11	N70-33278*	US-PATENT-3,170,286	c 15	N70-36535* #
US-PATENT-CLASS-91-390	c 15	N71-27754*	US-PATENT-3,064,928	c 02	N70-33266*	US-PATENT-3,170,290	c 28	N70-36910* #
US-PATENT-CLASS-91-410	c 37	N81-32510*	US-PATENT-3,067,573	c 28	N70-39899*	US-PATENT-3,170,295	c 27	N71-28929* #
US-PATENT-CLASS-91-448	c 15	N71-27754*	US-PATENT-3,068,658	c 15	N70-34247*	US-PATENT-3,170,324	c 14	N70-36824* #
US-PATENT-CLASS-91-448	c 15	N73-13466*	US-PATENT-3,069,123	c 14	N70-39898*	US-PATENT-3,170,471	c 32	N70-36536* #
US-PATENT-CLASS-91-461	c 15	N71-27147*	US-PATENT-3,070,330	c 21	N70-34539*	US-PATENT-3,170,486	c 15	N70-36492* #
US-PATENT-CLASS-92-130R	c 37	N81-33483*	US-PATENT-3,070,349	c 28	N70-39895*	US-PATENT-3,170,605	c 15	N70-38996* #
US-PATENT-CLASS-92-37	c 37	N82-24493*	US-PATENT-3,070,407	c 15	N70-39896*	US-PATENT-3,170,657	c 02	N70-34858* #
US-PATENT-CLASS-92-49	c 14	N73-13418*	US-PATENT-3,072,574	c 18	N70-39897*	US-PATENT-3,173,251	c 28	N70-33375* #
US-PATENT-CLASS-92-94	c 32	N70-4170*	US-PATENT-3,076,065	c 09	N70-39915*	US-PATENT-3,170,660	c 14	N70-36628* #
US-PATENT-CLASS-93-91	c 15	N70-33180*	US-PATENT-3,077,599	c 07	N70-40202*	US-PATENT-3,171,060	c 25	N70-33267* #
US-PATENT-CLASS-94 9N	c 27	N81-15104*	US-PATENT-3,079,113	c 02	N70-38009*	US-PATENT-3,171,081	c 14	N70-35666* #
US-PATENT-CLASS-95-1 1	c 14	N72-18411*	US-PATENT-3,080,711	c 28	N70-38711*	US-PATENT-3,172,097	c 08	N70-35423* #
US-PATENT-CLASS-95-1 1	c 14	N73-26431*	US-PATENT-3,083,611	c 21	N70-35427*	US-PATENT-3,173,246	c 28	N70-33265* #
US-PATENT-CLASS-95-11 5R	c 14	N73-19419*	US-PATENT-3,084,421	c 17	N70-38490*	US-PATENT-3,173,251	c 28	N70-33375* #
US-PATENT-CLASS-95-11 5	c 14	N73-32319*	US-PATENT-3,085,165	c 09	N70-34819*	US-PATENT-3,173,801	c 32	N79-19186* #
US-PATENT-CLASS-95-11R	c 14	N73-19419*	US-PATENT-3,087,692	c 02	N70-34178*	US-PATENT-3,174,278	c 25	N70-36946* #
US-P								

US-PATENT-3,178,883	c 21	N70-36938* #	US-PATENT-3,229,682	c 09	N70-40234* #	US-PATENT-3,277,486	c 31	N71-10747* #
US-PATENT-3,180,264	c 33	N70-36846* #	US-PATENT-3,229,689	c 05	N70-39922* #	US-PATENT-3,279,193	c 33	N71-28852* #
US-PATENT-3,180,587	c 21	N70-36943* #	US-PATENT-3,229,884	c 15	N70-39924* #	US-PATENT-3,281,558	c 33	N75-27249* #
US-PATENT-3,181,821	c 31	N70-36845* #	US-PATENT-3,229,905	c 04	N78-17031* #	US-PATENT-3,281,963	c 11	N71-10776* #
US-PATENT-3,182,496	c 11	N70-36913* #	US-PATENT-3,229,930	c 30	N70-40016* #	US-PATENT-3,281,964	c 11	N71-10776* #
US-PATENT-3,183,506	c 07	N70-36911* #	US-PATENT-3,230,053	c 26	N70-40015* #	US-PATENT-3,281,965	c 11	N71-10748* #
US-PATENT-3,185,023	c 14	N70-34298* #	US-PATENT-3,233,862	c 37	N79-33469* #	US-PATENT-3,282,035	c 11	N71-10777* #
US-PATENT-3,187,583	c 11	N70-38675* #	US-PATENT-3,236,066	c 15	N71-28959* #	US-PATENT-3,282,091	c 14	N71-10781* #
US-PATENT-3,188,472	c 21	N70-34297* #	US-PATENT-3,237,253	c 15	N71-15966* #	US-PATENT-3,282,532	c 31	N71-17729* #
US-PATENT-3,188,844	c 15	N70-34249* #	US-PATENT-3,238,345	c 11	N71-15925* #	US-PATENT-3,282,541	c 31	N71-24750* #
US-PATENT-3,189,299	c 21	N70-34295* #	US-PATENT-3,238,413	c 25	N71-29184* #	US-PATENT-3,282,739	c 03	N71-11053* #
US-PATENT-3,189,535	c 15	N70-34967* #	US-PATENT-3,238,715	c 28	N71-14043* #	US-PATENT-3,282,740	c 03	N71-11051* #
US-PATENT-3,189,726	c 33	N70-34545* #	US-PATENT-3,238,730	c 03	N71-12260* #	US-PATENT-3,283,088	c 10	N71-15909* #
US-PATENT-3,189,784	c 33	N75-27250* #	US-PATENT-3,238,774	c 14	N71-14996* #	US-PATENT-3,283,175	c 10	N71-15910* #
US-PATENT-3,189,794	c 09	N70-34502* #	US-PATENT-3,238,777	c 14	N71-15598* #	US-PATENT-3,283,241	c 14	N71-16014* #
US-PATENT-3,189,864	c 09	N70-34596* #	US-PATENT-3,239,660	c 23	N70-30292* #	US-PATENT-3,286,274	c 05	N71-12335* #
US-PATENT-3,190,124	c 35	N79-33450* #	US-PATENT-3,242,716	c 14	N71-15929* #	US-PATENT-3,286,531	c 30	N71-17788* #
US-PATENT-3,191,316	c 31	N70-34966* #	US-PATENT-3,243,154	c 23	N71-15673* #	US-PATENT-3,286,629	c 31	N71-17730* #
US-PATENT-3,191,379	c 27	N70-35534* #	US-PATENT-3,243,791	c 07	N71-11298* #	US-PATENT-3,286,630	c 31	N71-10582* #
US-PATENT-3,191,907	c 15	N70-34859* #	US-PATENT-3,244,943	c 15	N73-28516* #	US-PATENT-3,286,882	c 27	N71-29155* #
US-PATENT-3,192,730	c 06	N70-34946* #	US-PATENT-3,249,012	c 03	N71-12258* #	US-PATENT-3,286,953	c 21	N70-41655* #
US-PATENT-3,193,883	c 27	N70-34783* #	US-PATENT-3,249,013	c 03	N71-12259* #	US-PATENT-3,286,957	c 02	N70-41863* #
US-PATENT-3,194,060	c 14	N70-34794* #	US-PATENT-3,251,053	c 08	N71-12501* #	US-PATENT-3,287,031	c 15	N70-41808* #
US-PATENT-3,194,525	c 11	N70-35383* #	US-PATENT-3,252,100	c 10	N71-28960* #	US-PATENT-3,287,174	c 03	N70-41864* #
US-PATENT-3,194,951	c 08	N70-34778* #	US-PATENT-3,254,395	c 28	N71-15658* #	US-PATENT-3,287,496	c 14	N70-41807* #
US-PATENT-3,196,261	c 08	N70-34787* #	US-PATENT-3,254,487	c 28	N71-15659* #	US-PATENT-3,287,582	c 28	N70-41576* #
US-PATENT-3,196,362	c 09	N70-35440* #	US-PATENT-3,257,780	c 15	N71-15668* #	US-PATENT-3,287,640	c 09	N70-41655* #
US-PATENT-3,196,557	c 11	N70-34815* #	US-PATENT-3,258,582	c 02	N71-13421* #	US-PATENT-3,287,660	c 16	N70-41578* #
US-PATENT-3,196,558	c 14	N70-35394* #	US-PATENT-3,258,687	c 14	N71-15962* #	US-PATENT-3,287,725	c 07	N70-41680* #
US-PATENT-3,196,598	c 28	N70-34788* #	US-PATENT-3,258,831	c 15	N71-15986* #	US-PATENT-3,289,205	c 07	N70-41678* #
US-PATENT-3,196,675	c 14	N70-34818* #	US-PATENT-3,258,912	c 27	N71-15634* #	US-PATENT-3,295,360	c 14	N70-41681* #
US-PATENT-3,196,690	c 11	N70-34786* #	US-PATENT-3,258,918	c 27	N71-15635* #	US-PATENT-3,295,366	c 11	N70-41677* #
US-PATENT-3,197,616	c 14	N71-28958* #	US-PATENT-3,260,055	c 23	N71-15467* #	US-PATENT-3,295,377	c 14	N70-41682* #
US-PATENT-3,198,955	c 08	N70-34743* #	US-PATENT-3,260,204	c 31	N71-15692* #	US-PATENT-3,295,386	c 05	N70-41581* #
US-PATENT-3,198,994	c 26	N73-28710* #	US-PATENT-3,260,326	c 11	N71-28779* #	US-PATENT-3,295,512	c 03	N70-41580* #
US-PATENT-3,199,340	c 14	N70-34799* #	US-PATENT-3,261,210	c 14	N71-15969* #	US-PATENT-3,295,545	c 15	N70-41646* #
US-PATENT-3,199,343	c 11	N70-34844* #	US-PATENT-3,262,025	c 15	N73-32361* #	US-PATENT-3,295,556	c 32	N70-41579* #
US-PATENT-3,199,931	c 15	N70-34664* #	US-PATENT-3,262,186	c 15	N71-16052* #	US-PATENT-3,295,594	c 54	N82-29002* #
US-PATENT-3,200,706	c 03	N70-34667* #	US-PATENT-3,262,262	c 28	N71-15661* #	US-PATENT-3,295,684	c 28	N70-41447* #
US-PATENT-3,201,635	c 33	N70-34540* #	US-PATENT-3,262,351	c 15	N71-15922* #	US-PATENT-3,295,699	c 32	N70-41367* #
US-PATENT-3,201,980	c 25	N70-34661* #	US-PATENT-3,262,365	c 31	N71-15675* #	US-PATENT-3,295,792	c 14	N70-41647* #
US-PATENT-3,202,381	c 14	N70-40203* #	US-PATENT-3,262,395	c 15	N71-30028* #	US-PATENT-3,295,790	c 31	N70-41588* #
US-PATENT-3,202,398	c 28	N71-28928* #	US-PATENT-3,262,655	c 05	N71-11199* #	US-PATENT-3,295,798	c 02	N70-41589* #
US-PATENT-3,202,844	c 03	N70-34134* #	US-PATENT-3,262,694	c 31	N71-15663* #	US-PATENT-3,295,808	c 15	N70-41310* #
US-PATENT-3,202,915	c 14	N70-38602* #	US-PATENT-3,263,016	c 44	N79-19447* #	US-PATENT-3,296,060	c 18	N70-41583* #
US-PATENT-3,202,998	c 31	N70-34135* #	US-PATENT-3,263,171	c 33	N71-15625* #	US-PATENT-3,296,526	c 14	N70-41332* #
US-PATENT-3,204,447	c 14	N70-34156* #	US-PATENT-3,263,610	c 09	N71-13530* #	US-PATENT-3,296,531	c 07	N70-41311* #
US-PATENT-3,204,889	c 03	N70-34157* #	US-PATENT-3,264,135	c 15	N71-13789* #	US-PATENT-3,298,175	c 33	N71-29053* #
US-PATENT-3,205,361	c 14	N70-34158* #	US-PATENT-3,270,441	c 15	N71-16075* #	US-PATENT-3,298,182	c 28	N70-41311* #
US-PATENT-3,205,362	c 21	N70-35089* #	US-PATENT-3,270,499	c 11	N71-16028* #	US-PATENT-3,298,221	c 14	N70-41330* #
US-PATENT-3,205,381	c 03	N70-35408* #	US-PATENT-3,270,501	c 28	N71-15660* #	US-PATENT-3,298,285	c 32	N70-41370* #
US-PATENT-3,206,141	c 21	N70-35395* #	US-PATENT-3,270,503	c 31	N71-15647* #	US-PATENT-3,298,362	c 05	N70-41329* #
US-PATENT-3,206,897	c 18	N75-27040* #	US-PATENT-3,270,504	c 33	N71-15623* #	US-PATENT-3,298,582	c 14	N71-28935* #
US-PATENT-3,208,215	c 28	N70-34162* #	US-PATENT-3,270,505	c 31	N71-15637* #	US-PATENT-3,299,364	c 16	N71-15550* #
US-PATENT-3,208,272	c 14	N70-34161* #	US-PATENT-3,270,512	c 21	N71-15582* #	US-PATENT-3,299,431	c 07	N71-28979* #
US-PATENT-3,208,694	c 02	N70-34160* #	US-PATENT-3,270,565	c 15	N71-15906* #	US-PATENT-3,299,913	c 15	N71-15918* #
US-PATENT-3,208,707	c 31	N70-34159* #	US-PATENT-3,270,756	c 14	N71-30265* #	US-PATENT-3,300,162	c 31	N70-41373* #
US-PATENT-3,209,360	c 09	N70-35219* #	US-PATENT-3,270,802	c 15	N71-15697* #	US-PATENT-3,300,731	c 07	N70-41372* #
US-PATENT-3,209,361	c 09	N70-35425* #	US-PATENT-3,270,835	c 33	N71-24876* #	US-PATENT-3,300,847	c 15	N70-41371* #
US-PATENT-3,210,927	c 28	N70-34175* #	US-PATENT-3,270,908	c 28	N70-41292* #	US-PATENT-3,300,949	c 05	N70-41297* #
US-PATENT-3,211,169	c 15	N70-35087* #	US-PATENT-3,270,985	c 31	N71-15664* #	US-PATENT-3,300,981	c 28	N70-41275* #
US-PATENT-3,211,414	c 15	N70-35407* #	US-PATENT-3,270,986	c 21	N71-15583* #	US-PATENT-3,301,046	c 14	N70-41366* #
US-PATENT-3,212,096	c 09	N70-35382* #	US-PATENT-3,270,988	c 05	N71-12336* #	US-PATENT-3,301,315	c 09	N70-41717* #
US-PATENT-3,212,259	c 28	N71-29153* #	US-PATENT-3,270,989	c 01	N71-13410* #	US-PATENT-3,301,507	c 31	N70-41631* #
US-PATENT-3,212,325	c 14	N70-34705* #	US-PATENT-3,270,990	c 02	N71-11041* #	US-PATENT-3,301,511	c 02	N70-41630* #
US-PATENT-3,212,564	c 33	N71-29052* #	US-PATENT-3,271,140	c 28	N71-15629* #	US-PATENT-3,301,578	c 15	N70-41629* #
US-PATENT-3,215,313	c 31	N79-21225* #	US-PATENT-3,271,181	c 17	N71-15644* #	US-PATENT-3,302,023	c 14	N70-41676* #
US-PATENT-3,215,572	c 12	N70-40142* #	US-PATENT-3,271,532	c 15	N71-16077* #	US-PATENT-3,302,040	c 09	N70-41675* #
US-PATENT-3,215,842	c 16	N71-28963* #	US-PATENT-3,271,558	c 09	N71-16089* #	US-PATENT-3,302,569	c 15	N70-41679* #
US-PATENT-3,216,007	c 08	N70-40125* #	US-PATENT-3,271,594	c 15	N71-15871* #	US-PATENT-3,302,633	c 05	N70-41819* #
US-PATENT-3,217,624	c 14	N70-40273* #	US-PATENT-3,271,620	c 10	N71-28739* #	US-PATENT-3,302,662	c 15	N70-41811* #
US-PATENT-3,218,479	c 09	N70-40272* #	US-PATENT-3,271,637	c 09	N71-12540* #	US-PATENT-3,302,960	c 15	N70-41829* #
US-PATENT-3,218,547	c 09	N70-40123* #	US-PATENT-3,271,649	c 26	N71-18064* #	US-PATENT-3,303,304	c 14	N70-41812* #
US-PATENT-3,218,850	c 14	N70-40400* #	US-PATENT-3,273,094	c 10	N71-16030* #	US-PATENT-3,304,028	c 31	N70-41855* #
US-PATENT-3,219,250	c 15	N70-40204* #	US-PATENT-3,273,355	c 23	N71-29049* #	US-PATENT-3,304,718	c 28	N70-41922* #
US-PATENT-3,219,365	c 15	N71-28937* #	US-PATENT-3,273,381	c 33	N71-17897* #	US-PATENT-3,304,724	c 31	N70-41948* #
US-PATENT-3,219,997	c 08	N73-28045* #	US-PATENT-3,273,388	c 32	N71-17645* #	US-PATENT-3,304,729	c 31	N70-41871* #
US-PATENT-3,220,004	c 30	N70-40309* #	US-PATENT-3,273,392	c 09	N71-16086* #	US-PATENT-3,304,768	c 32	N70-42003* #
US-PATENT-3,221,547	c 14	N70-40201* #	US-PATENT-3,273,399	c 23	N71-17802* #	US-PATENT-3,304,773	c 14	N70-41957* #
US-PATENT-3,221,549	c 14	N70-40157* #	US-PATENT-3,274,304	c 12	N71-24692* #	US-PATENT-3,304,799	c 03	N70-41954* #
US-PATENT-3,223,374	c 15	N70-40156* #	US-PATENT-3,275,794	c 26	N71-17818* #	US-PATENT-3,304,865	c 28	N70-41967* #
US-PATENT-3,224,001	c 07	N70-40063* #	US-PATENT-3,276,251	c 37	N75-27376* #	US-PATENT-3,305,415	c 27	N70-41897* #
US-PATENT-3,224,173	c 15	N70-40062* #	US-PATENT-3,276,376	c 11	N71-15926* #	US-PATENT-3,305,636	c 08	N70-41961* #
US-PATENT-3,224,263	c 15	N70-40180* #	US-PATENT-3,276,602	c 31	N71-17629* #	US-PATENT-3,305,801	c 10	N70-41964* #
US-PATENT-3,224,336	c 30	N70-40353* #	US-PATENT-3,276,679	c 32	N71-17609* #	US-PATENT-3,305,810	c 09	N70-41829* #
US-PATENT-3,224,337	c 09	N79-21084* #	US-PATENT-3,276,722	c 15	N71-			

US-PATENT-3,310,262	c 02	N71-12243*	#	US-PATENT-3,341,778	c 07	N71-23098*	US-PATENT-3,372,588	c 33	N71-29051*
US-PATENT-3,310,443	c 24	N71-10560*	#	US-PATENT-3,341,977	c 15	N71-22705*	US-PATENT-3,373,016	c 26	N75-27127* #
US-PATENT-3,310,699	c 14	N73-32324*	#	US-PATENT-3,342,055	c 15	N71-22797*	US-PATENT-3,373,069	c 15	N71-23052*
US-PATENT-3,310,765	c 33	N79-21264*	#	US-PATENT-3,342,066	c 11	N71-23030*	US-PATENT-3,373,404	c 08	N71-22749*
US-PATENT-3,310,978	c 14	N71-10616*	#	US-PATENT-3,342,653	c 15	N71-22713*	US-PATENT-3,373,430	c 09	N71-22888*
US-PATENT-3,310,980	c 11	N71-10604*	#	US-PATENT-3,343,180	c 05	N71-23159*	US-PATENT-3,373,431	c 07	N71-22750*
US-PATENT-3,311,315	c 07	N71-10609*	#	US-PATENT-3,343,189	c 05	N71-22748*	US-PATENT-3,373,640	c 15	N71-22722*
US-PATENT-3,311,502	c 03	N71-10608*	#	US-PATENT-3,344,340	c 09	N71-21449*	US-PATENT-3,373,914	c 15	N71-23050*
US-PATENT-3,311,510	c 26	N71-10607*	#	US-PATENT-3,344,425	c 10	N71-21483*	US-PATENT-3,374,339	c 08	N71-22897*
US-PATENT-3,311,571	c 27	N79-21190*	#	US-PATENT-3,345,820	c 28	N71-21822*	US-PATENT-3,374,366	c 09	N71-23015*
US-PATENT-3,311,748	c 21	N71-10678*	#	US-PATENT-3,345,822	c 27	N71-21819*	US-PATENT-3,374,830	c 33	N71-22890*
US-PATENT-3,311,772	c 09	N71-10618*	#	US-PATENT-3,345,840	c 15	N71-21536*	US-PATENT-3,375,451	c 10	N71-22986*
US-PATENT-3,311,832	c 07	N71-10775*	#	US-PATENT-3,345,866	c 11	N71-21481*	US-PATENT-3,375,479	c 15	N71-23049*
US-PATENT-3,312,101	c 14	N71-10774*	#	US-PATENT-3,346,419	c 03	N71-20995*	US-PATENT-3,375,712	c 35	N75-29382* #
US-PATENT-3,313,204	c 28	N73-24783*	#	US-PATENT-3,346,442	c 18	N71-21651*	US-PATENT-3,375,885	c 15	N73-32362* #
US-PATENT-3,316,716	c 28	N71-10780*	#	US-PATENT-3,346,515	c 06	N71-20905*	US-PATENT-3,376,730	c 14	N71-22995*
US-PATENT-3,316,752	c 14	N71-10779*	#	US-PATENT-3,346,724	c 15	N71-21179*	US-PATENT-3,377,208	c 14	N71-23039*
US-PATENT-3,316,991	c 14	N71-10773*	#	US-PATENT-3,346,806	c 14	N71-21090*	US-PATENT-3,377,845	c 14	N71-22992*
US-PATENT-3,317,180	c 15	N71-10778*	#	US-PATENT-3,346,929	c 15	N71-21076*	US-PATENT-3,378,315	c 15	N71-22997*
US-PATENT-3,317,341	c 18	N71-10772*	#	US-PATENT-3,347,046	c 33	N71-21507*	US-PATENT-3,378,657	c 33	N79-33392* #
US-PATENT-3,317,352	c 03	N71-10728*	#	US-PATENT-3,347,309	c 33	N71-20946*	US-PATENT-3,378,851	c 05	N71-23096*
US-PATENT-3,317,641	c 15	N71-10672*	#	US-PATENT-3,347,465	c 18	N71-21068*	US-PATENT-3,378,892	c 15	N71-22994*
US-PATENT-3,317,731	c 21	N71-10771*	#	US-PATENT-3,347,466	c 28	N71-21493*	US-PATENT-3,379,052	c 14	N73-32321* #
US-PATENT-3,317,751	c 09	N71-10673*	#	US-PATENT-3,347,531	c 15	N71-21177*	US-PATENT-3,379,064	c 14	N71-23093*
US-PATENT-3,317,797	c 10	N71-28783*	#	US-PATENT-3,347,565	c 17	N71-20743*	US-PATENT-3,379,330	c 23	N71-22881*
US-PATENT-3,317,832	c 09	N71-10659*	#	US-PATENT-3,348,048	c 14	N71-21088*	US-PATENT-3,379,885	c 09	N71-22985*
US-PATENT-3,318,093	c 15	N71-10658*	#	US-PATENT-3,348,053	c 10	N71-20782*	US-PATENT-3,379,974	c 14	N71-22990*
US-PATENT-3,318,096	c 28	N71-28849*	#	US-PATENT-3,348,152	c 10	N71-20841*	US-PATENT-3,380,042	c 07	N71-23001*
US-PATENT-3,318,343	c 15	N71-10809*	#	US-PATENT-3,348,218	c 10	N71-29135*	US-PATENT-3,380,049	c 10	N71-23099*
US-PATENT-3,318,622	c 15	N71-10799*	#	US-PATENT-3,349,814	c 33	N71-20834*	US-PATENT-3,381,339	c 06	N71-22975*
US-PATENT-3,319,175	c 09	N71-10798*	#	US-PATENT-3,350,033	c 14	N71-21082*	US-PATENT-3,381,517	c 09	N71-22988*
US-PATENT-3,319,979	c 15	N71-10782*	#	US-PATENT-3,350,034	c 31	N71-21064*	US-PATENT-3,381,527	c 15	N71-22878*
US-PATENT-3,320,669	c 15	N70-42017*	#	US-PATENT-3,350,643	c 07	N71-20791*	US-PATENT-3,381,569	c 21	N71-22880*
US-PATENT-3,321,034	c 15	N70-42034*	#	US-PATENT-3,350,671	c 09	N71-20842*	US-PATENT-3,381,778	c 15	N71-22877*
US-PATENT-3,321,154	c 31	N70-42075*	#	US-PATENT-3,350,926	c 14	N71-21091*	US-PATENT-3,382,082	c 18	N71-22988*
US-PATENT-3,321,157	c 02	N70-42016*	#	US-PATENT-3,352,157	c 14	N71-21072*	US-PATENT-3,382,105	c 03	N71-29044*
US-PATENT-3,321,159	c 31	N70-42015*	#	US-PATENT-3,352,192	c 15	N71-21489*	US-PATENT-3,382,107	c 03	N71-22974*
US-PATENT-3,321,570	c 15	N70-41960*	#	US-PATENT-3,352,774	c 37	N80-14395*	US-PATENT-3,382,714	c 14	N71-22989*
US-PATENT-3,321,628	c 10	N70-41991*	#	US-PATENT-3,353,359	c 28	N71-20942*	US-PATENT-3,383,461	c 07	N71-23026*
US-PATENT-3,321,645	c 10	N70-42032*	#	US-PATENT-3,354,098	c 06	N71-20717*	US-PATENT-3,383,524	c 10	N71-23029*
US-PATENT-3,321,822	c 28	N70-41992*	#	US-PATENT-3,354,320	c 23	N71-21821*	US-PATENT-3,383,903	c 14	N71-23036*
US-PATENT-3,323,356	c 15	N70-41993*	#	US-PATENT-3,354,462	c 14	N71-21006*	US-PATENT-3,383,922	c 14	N71-22752*
US-PATENT-3,323,362	c 14	N70-41994*	#	US-PATENT-3,355,861	c 18	N71-20742*	US-PATENT-3,384,016	c 31	N71-23008*
US-PATENT-3,323,370	c 05	N70-42000*	#	US-PATENT-3,355,948	c 14	N71-21007*	US-PATENT-3,384,075	c 05	N71-22896*
US-PATENT-3,323,386	c 03	N70-42073*	#	US-PATENT-3,356,320	c 05	N71-20718*	US-PATENT-3,384,111	c 15	N71-22706*
US-PATENT-3,323,408	c 14	N70-41955*	#	US-PATENT-3,356,549	c 15	N71-21404*	US-PATENT-3,384,324	c 33	N71-22792*
US-PATENT-3,323,484	c 14	N70-42074*	#	US-PATENT-3,356,885	c 25	N71-20747*	US-PATENT-3,384,820	c 09	N71-23021*
US-PATENT-3,323,967	c 15	N70-42033*	#	US-PATENT-3,356,917	c 33	N79-21265*	US-PATENT-3,384,895	c 07	N71-22984*
US-PATENT-3,324,370	c 09	N71-10677*	#	US-PATENT-3,357,024	c 12	N71-20815*	US-PATENT-3,385,036	c 15	N71-22721*
US-PATENT-3,324,388	c 14	N71-10797*	#	US-PATENT-3,357,093	c 15	N71-21078*	US-PATENT-3,386,337	c 15	N71-22799*
US-PATENT-3,324,423	c 07	N71-10676*	#	US-PATENT-3,357,237	c 33	N71-21588*	US-PATENT-3,386,685	c 31	N71-22968*
US-PATENT-3,324,659	c 28	N71-10574*	#	US-PATENT-3,357,862	c 03	N71-20904*	US-PATENT-3,386,686	c 31	N71-22969*
US-PATENT-3,325,229	c 15	N71-10617*	#	US-PATENT-3,358,264	c 09	N71-20851*	US-PATENT-3,387,149	c 14	N71-22993*
US-PATENT-3,325,723	c 10	N71-10578*	#	US-PATENT-3,359,046	c 15	N71-20739*	US-PATENT-3,387,218	c 37	N78-17386* #
US-PATENT-3,325,749	c 09	N71-28810*	#	US-PATENT-3,359,132	c 09	N71-20705*	US-PATENT-3,388,258	c 14	N71-22996*
US-PATENT-3,326,043	c 14	N71-10500*	#	US-PATENT-3,359,409	c 07	N71-21476*	US-PATENT-3,388,387	c 10	N71-23033*
US-PATENT-3,326,407	c 15	N71-10577*	#	US-PATENT-3,359,435	c 15	N71-21311*	US-PATENT-3,388,590	c 14	N71-23087*
US-PATENT-3,327,298	c 08	N71-21042*	#	US-PATENT-3,359,555	c 09	N71-20864*	US-PATENT-3,389,017	c 15	N71-23022*
US-PATENT-3,327,991	c 15	N71-10617*	#	US-PATENT-3,359,568	c 54	N78-17680*	US-PATENT-3,389,260	c 14	N71-23269*
US-PATENT-3,328,624	c 28	N71-28850*	#	US-PATENT-3,359,819	c 15	N71-21744*	US-PATENT-3,389,346	c 10	N71-28859*
US-PATENT-3,329,375	c 21	N71-21708*	#	US-PATENT-3,359,855	c 23	N71-21862*	US-PATENT-3,389,877	c 15	N71-28936*
US-PATENT-3,329,918	c 09	N71-21583*	#	US-PATENT-3,360,798	c 09	N71-20658*	US-PATENT-3,390,017	c 03	N71-23336*
US-PATENT-3,330,052	c 11	N71-21474*	#	US-PATENT-3,360,864	c 14	N71-24693*	US-PATENT-3,390,020	c 26	N71-23654*
US-PATENT-3,330,082	c 15	N71-21531*	#	US-PATENT-3,360,972	c 15	N71-24833*	US-PATENT-3,390,023	c 26	N75-29236* #
US-PATENT-3,330,510	c 31	N71-28851*	#	US-PATENT-3,360,980	c 14	N71-20741*	US-PATENT-3,390,282	c 09	N71-23311*
US-PATENT-3,330,549	c 15	N71-21530*	#	US-PATENT-3,360,988	c 09	N71-20816*	US-PATENT-3,390,378	c 08	N71-23295*
US-PATENT-3,331,071	c 07	N71-28900*	#	US-PATENT-3,361,045	c 15	N71-21060*	US-PATENT-3,390,528	c 20	N79-21124* #
US-PATENT-3,331,248	c 11	N71-21475*	#	US-PATENT-3,361,067	c 26	N71-21824*	US-PATENT-3,391,080	c 15	N71-24048*
US-PATENT-3,331,255	c 15	N71-21529*	#	US-PATENT-3,361,435	c 15	N71-20813*	US-PATENT-3,392,403	c 23	N71-23976*
US-PATENT-3,331,404	c 12	N71-21089*	#	US-PATENT-3,361,555	c 15	N71-21403*	US-PATENT-3,392,588	c 14	N71-24232*
US-PATENT-3,331,951	c 21	N71-21688*	#	US-PATENT-3,361,985	c 10	N71-20852*	US-PATENT-3,392,864	c 18	N71-23658*
US-PATENT-3,332,152	c 15	N71-21530*	#	US-PATENT-3,360,988	c 09	N71-20814*	US-PATENT-3,392,865	c 15	N71-23816*
US-PATENT-3,333,152	c 25	N71-21693*	#	US-PATENT-3,364,311	c 07	N71-20814*	US-PATENT-3,392,865	c 01	N71-23497*
US-PATENT-3,333,788	c 31	N71-21881*	#	US-PATENT-3,364,368	c 09	N71-28926*	US-PATENT-3,392,936	c 06	N71-23499*
US-PATENT-3,334,225	c 14	N73-32325*	#	US-PATENT-3,364,578	c 14	N71-21078*	US-PATENT-3,393,058	c 06	N71-23495*
US-PATENT-3,336,725	c 15	N71-21528*	#	US-PATENT-3,364,631	c 32	N71-21045*	US-PATENT-3,393,330	c 22	N71-23599*
US-PATENT-3,336,748	c 25	N71-21694*	#	US-PATENT-3,364,777	c 15	N71-20740*	US-PATENT-3,393,332	c 09	N71-23443*
US-PATENT-3,336,754	c 28	N71-22983*	#	US-PATENT-3,364,813	c 09	N71-22999*	US-PATENT-3,393,347	c 10	N71-23543*
US-PATENT-3,337,004	c 14	N71-23092*	#	US-PATENT-3,365,657	c 10	N71-22961*	US-PATENT-3,393,380	c 10	N71-23544*
US-PATENT-3,337,279	c 05	N71-23080*	#	US-PATENT-3,365,665	c 14	N71-23037*	US-PATENT-3,393,384	c 09	N71-23573*
US-PATENT-3,337,315	c 18	N71-23088*	#	US-PATENT-3,365,897	c 33	N71-228892*	US-PATENT-3,394,286	c 14	N73-30391* #
US-PATENT-3,337,337	c 18	N71-22894*	#	US-PATENT-3,365,930	c 14	N71-22964*	US-PATENT-3,394,359	c 08	N71-28925*
US-PATENT-3,337,790	c 12	N71-20896*	#	US-PATENT-3,365,941	c 14	N71-22965*	US-PATENT-3,394,975	c 23	N71-30027*
US-PATENT-3,337,812	c 09	N71-23097*	#	US-PATENT-3,366,886	c 10	N71-22962*	US-PATENT-3,395,053	c 18	N71-23047*
US-PATENT-3,339,404	c 14	N71-22765*	#	US-PATENT-3,366,894	c 10	N71-23084*	US-PATENT-3,395,565	c 14	N73-30390* #
US-PATENT-3,339,863	c 14	N71-23040*	#	US-PATENT-3,367,114	c 28				

US-PATENT-3,399,299	c 10	N71-23662*	US-PATENT-3,425,268	c 14	N69-39975* #	US-PATENT-3,446,676	c 03	N71-11050* #
US-PATENT-3,399,574	c 32	N71-24265*	US-PATENT-3,425,272	c 14	N71-20439*	US-PATENT-3,446,960	c 14	N69-39982* #
US-PATENT-3,402,265	c 09	N73-28084* #	US-PATENT-3,425,276	c 14	N69-24257* #	US-PATENT-3,446,992	c 09	N69-39987* #
US-PATENT-3,404,289	c 09	N71-23545*	US-PATENT-3,425,486	c 05	N71-24147*	US-PATENT-3,446,997	c 03	N69-39898* #
US-PATENT-3,404,348	c 32	N74-22096* #	US-PATENT-3,425,487	c 05	N71-19439*	US-PATENT-3,446,998	c 09	N69-39929* #
US-PATENT-3,405,406	c 05	N71-23161*	US-PATENT-3,425,885	c 15	N69-24322* #	US-PATENT-3,447,003	c 09	N71-20446*
US-PATENT-3,405,887	c 31	N71-24315*	US-PATENT-3,426,219	c 09	N69-24317* #	US-PATENT-3,447,015	c 06	N69-39889* #
US-PATENT-3,406,336	c 10	N71-24863*	US-PATENT-3,426,230	c 15	N69-24319* #	US-PATENT-3,447,071	c 25	N69-39884* #
US-PATENT-3,406,742	c 33	N71-24276*	US-PATENT-3,426,263	c 03	N71-19438*	US-PATENT-3,447,154	c 21	N71-11766* #
US-PATENT-3,407,304	c 14	N71-23240*	US-PATENT-3,426,272	c 14	N69-39785* #	US-PATENT-3,447,155	c 09	N71-18588*
US-PATENT-3,408,816	c 28	N71-24736*	US-PATENT-3,426,746	c 05	N71-26293*	US-PATENT-3,447,233	c 15	N69-39786* #
US-PATENT-3,408,870	c 14	N71-23227*	US-PATENT-3,426,791	c 15	N71-19569*	US-PATENT-3,447,774	c 15	N71-19485*
US-PATENT-3,409,247	c 33	N71-28903*	US-PATENT-3,427,047	c 15	N69-27490* #	US-PATENT-3,447,850	c 09	N71-18600*
US-PATENT-3,409,252	c 15	N71-23255*	US-PATENT-3,427,089	c 23	N69-24332* #	US-PATENT-3,448,273	c 07	N69-39736* #
US-PATENT-3,409,554	c 26	N71-23292*	US-PATENT-3,427,093	c 09	N71-19479*	US-PATENT-3,448,290	c 10	N71-23151*
US-PATENT-3,409,730	c 33	N71-24145*	US-PATENT-3,427,097	c 11	N69-24321* #	US-PATENT-3,448,341	c 09	N71-12526* #
US-PATENT-3,411,358	c 14	N71-23226*	US-PATENT-3,427,205	c 15	N69-24320* #	US-PATENT-3,448,346	c 15	N71-18701*
US-PATENT-3,411,900	c 26	N75-27126* #	US-PATENT-3,427,435	c 17	N69-25147* #	US-PATENT-3,450,842	c 07	N69-39978* #
US-PATENT-3,412,559	c 28	N71-23293*	US-PATENT-3,427,454	c 05	N71-19440*	US-PATENT-3,450,878	c 14	N71-20430*
US-PATENT-3,412,598	c 14	N71-23225*	US-PATENT-3,427,525	c 03	N69-21330* #	US-PATENT-3,450,946	c 09	N69-39897* #
US-PATENT-3,412,729	c 04	N71-23185*	US-PATENT-3,428,761	c 09	N69-24239* #	US-PATENT-3,452,103	c 06	N73-30101* #
US-PATENT-3,412,961	c 32	N71-23971*	US-PATENT-3,428,812	c 14	N69-27485* #	US-PATENT-3,452,423	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	N71-29137*	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-3,454,768	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	N71-16088*
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-3,415,843	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-3,456,104	c 15	N71-20393*
US-PATENT-3,416,274	c 31	N71-24035*	US-PATENT-3,430,237	c 07	N69-3974* #	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	N71-23136*	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 18	N71-23710*	US-PATENT-3,433,662	c 14	N71-20481*	US-PATENT-3,460,995	c 03	N71-20407*
US-PATENT-3,419,384	c 17	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-3,419,964	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	N69-39966* #	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	N73-30100* #
US-PATENT-3,420,338	c 15	N71-26243*	US-PATENT-3,435,246	c 14	N69-24331* #	US-PATENT-3,463,762	c 06	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 15	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-3,464,049	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	N69-21391* #	US-PATENT-3,437,903	c 03	N69-25146* #	US-PATENT-3,465,482	c 31	N71-16080*
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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	N71-17659*
US-PATENT-3,421,331	c 15	N69-23190* #	US-PATENT-3,437,959	c 07	N69-24323* #	US-PATENT-3,465,584	c 14	N71-23726*
US-PATENT-3,421,363	c 11	N69-21540* #	US-PATENT-3,438,044	c 07	N69-27460* #	US-PATENT-3,465,638	c 11	N71-18578*
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US-PATENT-3,421,549	c 03	N69-21469* #	US-PATENT-3,440,419	c 14	N73-28491* #	US-PATENT-3,466,085	c 05	N71-12343* #
US-PATENT-3,421,591	c 14	N69-21923* #	US-PATENT-3,442,674	c 25	N82-29370* #	US-PATENT-3,466,198	c 03	N71-19545*
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US-PATENT-3,535,013	c 16	N71-15551*	US-PATENT-3,549,799	c 09	N71-25866*	US-PATENT-3,570,143	c 10	N71-27365*
US-PATENT-3,535,014	c 16	N71-15565*	US-PATENT-3,549,882	c 15	N71-24896*	US-PATENT-3,570,364	c 28	N71-26779*
US-PATENT-3,535,024	c 14	N71-17662*	US-PATENT-3,549,955	c 09	N71-24892*	US-PATENT-3,570,513	c 12	N71-27332*
US-PATENT-3,535,041	c 14	N71-17655*	US-PATENT-3,550,023	c 09	N71-24806*	US-PATENT-3,570,785	c 28	N71-27585*
US-PATENT-3,535,110	c 17	N71-15468*	US-PATENT-3,550,034	c 16	N71-24832*	US-PATENT-3,570,789	c 02	N71-27088*
US-PATENT-3,535,130	c 18	N71-15469*	US-PATENT-3,550,129	c 21	N71-24948*	US-PATENT-3,571,555	c 15	N71-27135*
US-PATENT-3,535,165	c 33	N71-15568*	US-PATENT-3,550,585	c 05	N71-24738*	US-PATENT-3,571,656	c 09	N71-27001*
US-PATENT-3,535,179	c 15	N71-17651*	US-PATENT-3,551,266	c 33	N71-24858*	US-PATENT-3,571,662	c 10	N71-27366*
US-PATENT-3,535,352	c 18	N71-15688*	US-PATENT-3,551,816	c 07	N71-24613*	US-PATENT-3,571,693	c 09	N71-27364*
US-PATENT-3,535,446	c 09	N71-12539* #	US-PATENT-3,551,831	c 33	N71-27251* #	US-PATENT-3,571,699	c 09	N71-27053*
US-PATENT-3,535,451	c 07	N71-11281* #	US-PATENT-3,552,124	c 28	N71-26642*	US-PATENT-3,571,700	c 14	N71-27325*
US-PATENT-3,535,497	c 08	N71-24890*	US-PATENT-3,552,125	c 28	N71-26173*	US-PATENT-3,571,707	c 10	N71-27338*
US-PATENT-3,535,543	c 09	N71-13486* #	US-PATENT-3,553,002	c 18	N71-26100*	US-PATENT-3,571,800	c 10	N71-27272*
US-PATENT-3,535,547	c 09	N71-12520* #	US-PATENT-3,553,586	c 07	N71-26292*	US-PATENT-3,571,801	c 08	N71-27255*
US-PATENT-3,535,554	c 09	N71-12516* #	US-PATENT-3,553,704	c 10	N71-26142*	US-PATENT-3,572,089	c 14	N71-27185*
US-PATENT-3,535,560	c 08	N71-12494* #	US-PATENT-3,553,904	c 15	N71-26134*	US-PATENT-3,572,104	c 28	N71-27094*
US-PATENT-3,535,562	c 33	N71-27862*	US-PATENT-3,554,466	c 31	N71-26537*	US-PATENT-3,572,112	c 15	N71-27006*
US-PATENT-3,535,570	c 15	N71-24696*	US-PATENT-3,554,647	c 23	N71-26206*	US-PATENT-3,572,610	c 28	N71-27095*
US-PATENT-3,535,586	c 25	N71-15562*	US-PATENT-3,554,806	c 03	N71-26084*	US-PATENT-3,572,935	c 14	N71-27125*
US-PATENT-3,535,602	c 09	N71-13522* #	US-PATENT-3,555,192	c 07	N71-26181*	US-PATENT-3,573,078	c 27	N82-29451* #
US-PATENT-3,535,642	c 08	N71-12503* #	US-PATENT-3,555,361	c 10	N71-26531*	US-PATENT-3,573,470	c 74	N78-33913* #
US-PATENT-3,535,644	c 09	N71-12519* #	US-PATENT-3,555,455	c 23	N71-26722*	US-PATENT-3,573,504	c 33	N78-17294* #
US-PATENT-3,535,657	c 07	N71-12390* #	US-PATENT-3,555,483	c 35	N71-21393* #	US-PATENT-3,573,583	c 09	N71-28886*
US-PATENT-3,535,658	c 08	N71-12500* #	US-PATENT-3,555,867	c 15	N71-26148*	US-PATENT-3,573,797	c 08	N71-27057*
US-PATENT-3,535,683	c 31	N71-15566*	US-PATENT-3,555,898	c 12	N71-26546*	US-PATENT-3,573,977	c 15	N71-28582*
US-PATENT-3,535,696	c 08	N71-12506* #	US-PATENT-3,556,048	c 09	N71-26701*	US-PATENT-3,573,986	c 03	N71-28579*
US-PATENT-3,535,702	c 09	N71-12515* #	US-PATENT-3,556,634	c 07	N71-26291*	US-PATENT-3,573,996	c 18	N71-29040*
US-PATENT-3,536,103	c 15	N71-19213*	US-PATENT-3,557,027	c 06	N71-25929*	US-PATENT-3,574,057	c 22	N71-28759*
US-PATENT-3,537,096	c 08	N71-12507* #	US-PATENT-3,557,534	c 15	N71-26185*	US-PATENT-3,574,084	c 14	N71-28933*
US-PATENT-3,537,103	c 08	N71-24650*	US-PATENT-3,559,031	c 10	N71-26085*	US-PATENT-3,574,277	c 15	N71-28467*
US-PATENT-3,537,107	c 05	N71-24730*	US-PATENT-3,559,096	c 10	N71-25882*	US-PATENT-3,574,286	c 11	N71-27036*
US-PATENT-3,537,305	c 26	N71-25490*	US-PATENT-3,559,460	c 14	N71-26672*	US-PATENT-3,574,438	c 07	N71-29065*
US-PATENT-3,537,515	c 09	N71-24807*	US-PATENT-3,559,937	c 14	N71-26627*	US-PATENT-3,574,448	c 23	N71-29123*
US-PATENT-3,537,668	c 05	N71-24728*	US-PATENT-3,560,081	c 19	N71-26674*	US-PATENT-3,574,462	c 14	N71-29041*
US-PATENT-3,537,672	c 15	N71-24694*	US-PATENT-3,560,161	c 06	N71-26754*	US-PATENT-3,574,467	c 23	N71-29125*
US-PATENT-3,538,053	c 27	N78-17214* #	US-PATENT-3,561,828	c 15	N71-26189*	US-PATENT-3,574,470	c 14	N71-28993*
US-PATENT-3,539,905	c 09	N71-24800*	US-PATENT-3,562,575	c 09	N71-26182*	US-PATENT-3,574,770	c 06	N71-27254*
US-PATENT-3,540,045	c 09	N71-24595*	US-PATENT-3,562,631	c 14	N71-26137*	US-PATENT-3,575,336	c 15	N71-27214*
US-PATENT-3,540,048	c 31	N71-24813*	US-PATENT-3,562,857	c 15	N71-26721*	US-PATENT-3,575,585	c 14	N71-27058*
US-PATENT-3,540,050	c 09	N71-24804*	US-PATENT-3,562,881	c 09	N71-26678*	US-PATENT-3,575,597	c 14	N71-27090*
US-PATENT-3,540,054	c 07	N71-24625*	US-PATENT-3,562,919	c 15	N71-26145*	US-PATENT-3,575,602	c 16	N71-27183*
US-PATENT-3,540,056	c 07	N71-24614*	US-PATENT-3,563,135	c 15	N71-27147*	US-PATENT-3,575,638	c 09	N71-26133*
US-PATENT-3,540,250	c 15	N71-24865*	US-PATENT-3,563,198	c 18	N71-26285*	US-PATENT-3,575,641	c 10	N71-26334*
US-PATENT-3,540,449	c 15	N71-24835*	US-PATENT-3,563,232	c 05	N71-27234*	US-PATENT-3,576,107	c 28	N71-26781*
US-PATENT-3,540,615	c 33	N71-25351*	US-PATENT-3,563,307	c 15	N71-26611*	US-PATENT-3,576,127	c 14	N71-26161*
US-PATENT-3,540,676	c 15	N71-24600*	US-PATENT-3,563,668	c 14	N71-26788*	US-PATENT-3,576,135	c 15	N71-26635*
US-PATENT-3,540,790	c 16	N71-26154*	US-PATENT-3,563,727	c 15	N71-27184*	US-PATENT-3,576,301	c 02	N71-26110*
US-PATENT-3,540,802	c 23	N71-24868*	US-PATENT-3,563,918	c 06	N71-27363*	US-PATENT-3,576,656	c 18	N71-26772*
US-PATENT-3,540,942	c 15	N71-24875*	US-PATENT-3,564,234	c 09	N71-26787*	US-PATENT-3,576,669	c 15	N71-29032*
US-PATENT-3,541,422	c 24	N71-25555*	US-PATENT-3,564,401	c 14	N71-26135*	US-PATENT-3,576,723	c 09	N71-28691*
US-PATENT-3,541,428	c 09	N71-24893*	US-PATENT-3,565,607	c 14	N71-26774*	US-PATENT-3,576,786	c 06	N71-28620*
US-PATENT-3,541,439	c 09	N71-24843*	US-PATENT-3,565,719	c 15	N71-26162*	US-PATENT-3,577,014	c 10	N71-28860*
US-PATENT-3,541,450	c 07	N71-24840*	US-PATENT-3,566,027	c 07	N71-27341*	US-PATENT-3,578,867	c 14	N71-28994*
US-PATENT-3,541,479	c 09	N71-24803*	US-PATENT-3,566,045	c 08	N71-27210*	US-PATENT-3,578,957	c 08	N71-29033*
US-PATENT-3,541,486	c 09	N71-24904*	US-PATENT-3,565,530	c 15	N71-26673*	US-PATENT-3,578,755	c 14	N71-29134*
US-PATENT-3,541,488	c 03	N71-24719*	US-PATENT-3,565,584	c 15	N71-27372*	US-PATENT-3,578,756	c 11	N71-28629*
US-PATENT-3,541,489	c 09	N71-24893*	US-PATENT-3,565,607	c 17	N71-26773*	US-PATENT-3,578,758	c 14	N71-28992*
US-PATENT-3,541,493	c 09	N71-24843*	US-PATENT-3,565,719	c 03	N71-26726*	US-PATENT-3,578,838	c 16	N71-29131*
US-PATENT-3,541,494	c 07	N71-24840*	US-PATENT-3,566,027	c 07	N71-27341*	US-PATENT-3,578,867	c 14	N71-28994*
US-PATENT-3,541,497	c 09	N71-24841*	US-PATENT-3,566,122	c 08	N71-27210*	US-PATENT-3,578,957	c 08	N71-29033*
US-PATENT-3,541,498	c 16	N71-28554*	US-PATENT-3,566,143	c 14	N71-27407*	US-PATENT-3,578,992	c 09	N71-28421*
US-PATENT-3,541,679	c 03	N71-24681*	US-PATENT-3,566,158	c 10	N71-27126*	US-PATENT-3,579,041	c 09	N71-29008*
US-PATENT-3,541,825	c 15	N71-24836*	US-PATENT-3,566,268	c 10	N71-26577*	US-PATENT-3,579,103	c 14	N71-28991*
US-PATENT-3,541,875	c 15	N71-24984*	US-PATENT-3,566,396	c 10	N71-26544*	US-PATENT-3,579,122	c 08	N71-29034*
US-PATENT-3,543,050	c 10	N71-24862*	US-PATENT-3,566,459	c 14	N71-27334*	US-PATENT-3,579,146	c 08	N71-29138*
US-PATENT-3,543,159	c 09	N71-24717*	US-PATENT-3,566,676	c 14	N71-27232*	US-PATENT-3,579,888	c 09	N71-29139*
US-PATENT-3,543,839	c 34	N78-17373* #	US-PATENT-3,566,993	c 15	N71-27169*	US-PATENT-3,579,168	c 09	N71-29035*
US-PATENT-3,545,208	c 28	N71-25213*	US-PATENT-3,567,155	c 21	N71-27324*	US-PATENT-3,579,242	c 07	N71-28980*
US-PATENT-3,545,226	c 23	N71-24725*	US-PATENT-3,567,339	c 15	N71-27084*	US-PATENT-3,579,390	c 18	N71-28729*
US-PATENT-3,545,252	c 11	N71-24985*	US-PATENT-3,567,651	c 18	N71-27170*	US-PATENT-3,579,412	c 17	N71-28747*
US-PATENT-3,545,262	c 38	N76-28563* #	US-PATENT-3,567,877	c 18	N71-25881*	US-PATENT-3,581,492	c 28	N71-28915*
US-PATENT-3,545,275	c 09	N71-24597*	US-PATENT-3,567,861	c 10	N71-25865*	US-PATENT-3,582,828	c 33	N77-21314* #
US-PATENT-3,545,725	c 15	N71-24599*	US-PATENT-3,567,913	c 10	N71-27137*	US-PATENT-3,582,960	c 09	N71-28618*
US-PATENT-3,545,792	c 15	N71-24903*	US-PATENT-3,567,927	c 14	N71-28663*	US-PATENT-3,583,058	c 15	N71-29018*
US-PATENT-3,546,386	c 07	N71-24621*	US-PATENT-3,568,010	c 09	N71-27232*	US-PATENT-3,583,239	c 15	N71-29132*
US-PATENT-3,546,471	c 14	N71-24864*	US-PATENT-3,568,028	c 10	N71-27136*	US-PATENT-3,583,322	c 05	N71-28619*
US-PATENT-3,546,552	c 15	N71-24895*	US-PATENT-3,568,103	c 10	N71-25900*	US-PATENT-3,583,419	c 12	N71-28741*
US-PATENT-3,546,553	c 09	N71-24805*	US-PATENT-3,568,197	c 07	N71-27056*	US-PATENT-3,583,744	c 15	N71-29133*
US-PATENT-3,546,684	c 07	N71-24624*	US-PATENT-3,568,447	c 15	N71-27432*	US-PATENT-3,583,777	c 15	N71-28465*
US-PATENT-3,546,694	c 10	N71-24798*	US-PATENT-3,568,572	c 15	N71-27754*	US-PATENT-3,583,815	c 15	N71-28740*
US-PATENT-3,546,705	c 09	N71-24842*	US-PATENT-3,568,702	c 10	N71-25899*	US-PATENT-3,584,311	c 09	N71-28468*
US-PATENT-3,546,917	c 15	N71-24679*	US-PATENT-3,568,748	c 15	N71-27091*	US-PATENT-3,584,660	c 15	N72-12408*
US-PATENT-3,546,920	c 06	N71-24607*	US-PATENT-3,568,795	c 15	N71-27067*	US-PATENT-3,585,514	c 10	N71-33129*
US-PATENT-3,546,931	c 32	N71-25360*	US-PATENT-3,568,805	c 15	N71-27146*	US-PATENT-3,585,882	c 15	N71-33518*
US-PATENT-3,547,105	c 09	N71-24618*	US-PATENT-3,568,874	c 15	N71-27068*	US-PATENT-3,586,221	c 31	N71-33160*
US-PATENT-3,547,376	c 31	N71-25434*	US-PATENT-3,568,885	c 14	N71-27005*	US-PATENT-3,587,306	c 11	N71-

US-PATENT-3,588,671	c 09	N71-33109*	US-PATENT-3,612,645	c 14	N72-22441* #	US-PATENT-3,633,110	..	c 07	N72-20141* #
US-PATENT-3,588,705	c 07	N71-33696*	US-PATENT-3,612,743	c 09	N72-22198* #	US-PATENT-3,634,383	..	c 27	N73-22710* #
US-PATENT-3,588,751	c 07	N71-33606*	US-PATENT-3,612,895	c 09	N72-22197* #	US-PATENT-3,635,216	..	c 05	N72-20095* #
US-PATENT-3,588,874	c 09	N71-33519*	US-PATENT-3,613,110	c 08	N72-21199* #	US-PATENT-3,635,537	..	c 33	N80-14330* #
US-PATENT-3,588,883	c 10	N71-33407*	US-PATENT-3,613,111	c 08	N72-21200* #	US-PATENT-3,635,765	..	c 03	N72-20034* #
US-PATENT-3,591,420	c 03	N71-33409*	US-PATENT-3,613,370	c 28	N72-22770* #	US-PATENT-3,636,539	..	c 03	N72-20031* #
US-PATENT-3,591,426	c 17	N71-33408*	US-PATENT-3,613,454	c 35	N77-27368* #	US-PATENT-3,636,564	..	c 05	N72-22092* #
US-PATENT-3,591,485	c 15	N72-11390*	US-PATENT-3,613,457	c 15	N72-22482* #	US-PATENT-3,636,623	..	c 15	N72-20444* #
US-PATENT-3,591,960	c 15	N72-12409*	US-PATENT-3,613,794	c 12	N72-21310* #	US-PATENT-3,636,711	..	c 28	N72-20758* #
US-PATENT-3,591,967	c 28	N72-11709*	US-PATENT-3,614,228	c 14	N72-21409* #	US-PATENT-3,636,866	..	c 05	N72-20097* #
US-PATENT-3,592,422	c 15	N72-11391*	US-PATENT-3,614,327	c 08	N72-22162* #	US-PATENT-3,637,051	..	c 15	N72-20443* #
US-PATENT-3,592,478	c 09	N72-11224*	US-PATENT-3,614,343	c 07	N72-21119* #	US-PATENT-3,637,170	..	c 21	N72-21624* #
US-PATENT-3,592,505	c 05	N72-11085*	US-PATENT-3,614,431	c 14	N72-21408* #	US-PATENT-3,637,312	..	c 14	N72-20379* #
US-PATENT-3,592,545	c 14	N72-11364*	US-PATENT-3,614,475	c 10	N72-16172* #	US-PATENT-3,637,842	..	c 06	N72-20121* #
US-PATENT-3,592,559	c 02	N72-11018*	US-PATENT-3,614,557	c 26	N72-21701* #	US-PATENT-3,638,002	..	c 08	N72-21197* #
US-PATENT-3,592,628	c 15	N72-11387*	US-PATENT-3,614,587	c 09	N72-22196* #	US-PATENT-3,638,066	..	c 10	N72-20225* #
US-PATENT-3,592,768	c 15	N72-11389*	US-PATENT-3,614,648	c 09	N72-21247* #	US-PATENT-3,638,103	..	c 09	N72-21243* #
US-PATENT-3,593,001	c 15	N72-11392*	US-PATENT-3,614,772	c 08	N72-22163* #	US-PATENT-3,638,114	..	c 10	N72-20222* #
US-PATENT-3,593,024	c 24	N72-11595*	US-PATENT-3,614,898	c 15	N72-21462* #	US-PATENT-3,638,224	..	c 09	N72-21244* #
US-PATENT-3,593,132	c 09	N72-11225*	US-PATENT-3,614,899	c 09	N72-22195* #	US-PATENT-3,639,250	..	c 14	N72-22443* #
US-PATENT-3,593,138	c 07	N72-11149*	US-PATENT-3,615,021	c 15	N72-22483* #	US-PATENT-3,639,510	..	c 06	N72-22107* #
US-PATENT-3,593,175	c 10	N72-11256*	US-PATENT-3,615,241	c 15	N72-21465* #	US-PATENT-3,639,809	..	c 15	N72-22486* #
US-PATENT-3,593,180	c 07	N72-11150*	US-PATENT-3,615,465	c 06	N72-21094* #	US-PATENT-3,639,835	..	c 14	N72-22442* #
US-PATENT-3,593,194	c 16	N72-12440*	US-PATENT-3,615,853	c 03	N72-22042* #	US-PATENT-3,640,256	..	c 28	N72-22772* #
US-PATENT-3,594,790	c 07	N72-12080*	US-PATENT-3,616,338	c 15	N72-21466* #	US-PATENT-3,641,470	..	c 35	N78-17359* #
US-PATENT-3,594,803	c 09	N72-12136*	US-PATENT-3,616,528	c 03	N72-22041* #	US-PATENT-3,647,276	..	c 14	N72-22444* #
US-PATENT-3,596,465	c 28	N72-11708*	US-PATENT-3,617,804	c 25	N72-24753* #	US-PATENT-3,647,529	..	c 27	N74-23125* #
US-PATENT-3,596,510	c 14	N72-11363*	US-PATENT-3,619,896	c 15	N72-22487* #	US-PATENT-3,647,824	..	c 11	N72-23215* #
US-PATENT-3,596,554	c 15	N72-11385*	US-PATENT-3,619,924	c 11	N72-22247* #	US-PATENT-3,648,043	..	c 09	N72-23173* #
US-PATENT-3,596,863	c 15	N72-11386*	US-PATENT-3,620,018	c 28	N72-22771* #	US-PATENT-3,648,083	..	c 12	N72-25292* #
US-PATENT-3,597,281	c 03	N72-11062*	US-PATENT-3,620,069	c 14	N72-22440* #	US-PATENT-3,648,152	..	c 03	N72-23048* #
US-PATENT-3,598,921	c 08	N72-11171*	US-PATENT-3,620,076	c 11	N72-22248* #	US-PATENT-3,648,209	..	c 09	N72-27228* #
US-PATENT-3,599,216	c 07	N72-11148*	US-PATENT-3,620,083	c 14	N72-22438* #	US-PATENT-3,648,250	..	c 09	N72-25248* #
US-PATENT-3,599,335	c 08	N72-11172*	US-PATENT-3,620,095	c 15	N72-21463* #	US-PATENT-3,648,256	..	c 08	N72-25207* #
US-PATENT-3,599,443	c 05	N72-11084*	US-PATENT-3,620,585	c 15	N72-22490* #	US-PATENT-3,648,275	..	c 08	N72-25205* #
US-PATENT-3,599,489	c 14	N72-11365*	US-PATENT-3,620,595	c 14	N72-22445* #	US-PATENT-3,648,461	..	c 28	N72-23810* #
US-PATENT-3,600,046	c 15	N72-11388*	US-PATENT-3,620,606	c 23	N72-22673* #	US-PATENT-3,648,516	..	c 35	N74-22095* #
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US-PATENT-3,694,094	c 14	N72-32452* #	US-PATENT-3,714,645	c 08	N73-20217* #	US-PATENT-3,746,998	c 07	N73-30113* #
US-PATENT-3,694,313	c 24	N72-33681* #	US-PATENT-3,714,821	c 14	N73-20476* #	US-PATENT-3,747,111	c 07	N73-28013* #
US-PATENT-3,694,581	c 08	N72-33172* #	US-PATENT-3,714,833	c 11	N73-20267* #	US-PATENT-3,748,722	c 15	N73-33383* #
US-PATENT-3,694,655	c 25	N72-33696* #	US-PATENT-3,715,092	c 03	N73-20093* #	US-PATENT-3,748,853	c 23	N73-30665* #
US-PATENT-3,694,700	c 09	N72-33205* #	US-PATENT-3,715,152	c 23	N73-20741* #	US-PATENT-3,748,905	c 14	N73-30395* #
US-PATENT-3,694,753	c 07	N72-33146* #	US-PATENT-3,715,590	c 14	N73-20477* #	US-PATENT-3,749,123	c 15	N73-30459* #
US-PATENT-3,694,771	c 09	N73-15235* #	US-PATENT-3,715,600	c 03	N73-20040* #	US-PATENT-3,749,156	c 31	N73-30829* #
US-PATENT-3,695,101	c 11	N73-12264* #	US-PATENT-3,715,660	c 07	N73-20175* #	US-PATENT-3,749,205	c 15	N73-30460* #
US-PATENT-3,696,418	c 09	N73-12211* #	US-PATENT-3,715,663	c 07	N73-20174* #	US-PATENT-3,749,332	c 31	N73-32750* #
US-PATENT-3,696,833	c 11	N73-12265* #	US-PATENT-3,715,693	c 09	N73-20232* #	US-PATENT-3,749,362	c 15	N73-30457* #
US-PATENT-3,697,021	c 15	N73-12486* #	US-PATENT-3,715,723	c 07	N73-20176* #	US-PATENT-3,749,831	c 07	N73-30115* #
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US-PATENT-3,697,705	c 35	N77-21392* #	US-PATENT-3,718,863	c 10	N73-20254* #	US-PATENT-3,750,016	c 14	N73-30388* #
US-PATENT-3,697,733</td								

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US-PATENT-3,752,564	c 23	N73-30666*	US-PATENT-3,781,549	c 35	N74-15090*	US-PATENT-3,810,829	c 31	N74-23065*
US-PATENT-3,752,665	c 18	N73-32437*	US-PATENT-3,781,562	c 35	N74-15091*	US-PATENT-3,811,044	c 34	N74-23066*
US-PATENT-3,752,847	c 06	N73-30098*	US-PATENT-3,781,902	c 35	N74-15831*	US-PATENT-3,811,094	c 33	N74-21851*
US-PATENT-3,752,986	c 14	N73-30392*	US-PATENT-3,781,933	c 54	N74-14845*	US-PATENT-3,811,429	c 52	N74-27566*
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US-PATENT-3,752,996	c 91	N74-13130*	US-PATENT-3,782,177	c 38	N74-15395*	US-PATENT-3,812,358	c 35	N74-26949*
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US-PATENT-3,754,236	c 08	N73-32081*	US-PATENT-3,782,205	c 35	N74-15094*	US-PATENT-3,812,924	c 35	N74-26945*
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US-PATENT-3,755,265	c 06	N73-33076*	US-PATENT-3,782,699	c 35	N74-15126*	US-PATENT-3,813,875	c 15	N74-27360*
US-PATENT-3,755,283	c 06	N73-32029*	US-PATENT-3,782,737	c 37	N74-15125*	US-PATENT-3,813,937	c 34	N74-27859*
US-PATENT-3,755,686	c 03	N73-31988*	US-PATENT-3,782,825	c 35	N74-15146*	US-PATENT-3,814,083	c 52	N74-26626*
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US-PATENT-3,759,747	c 44	N74-19692*	US-PATENT-3,790,432	c 37	N74-18126*	US-PATENT-3,818,346	c 33	N74-27705*
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US-PATENT-3,760,394	c 10	N73-32144*	US-PATENT-3,793,109	c 31	N74-18089*	US-PATENT-3,819,440	c 32	N74-27612*
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US-PATENT-3,762,818	c 17	N73-32415*	US-PATENT-3,795,448	c 72	N74-19310*	US-PATENT-3,820,095	c 33	N74-27862*
US-PATENT-3,763,204	c 06	N73-32030*	US-PATENT-3,795,840	c 33	N74-17929*	US-PATENT-3,820,266	c 37	N74-27905*
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US-PATENT-3,764,850	c 33	N74-10195*	US-PATENT-3,798,748	c 37	N74-21055*	US-PATENT-3,824,707	c 09	N74-30597*
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US-PATENT-3,771,040	c 33	N74-11049*	US-PATENT-3,802,253	c 52	N74-20726*	US-PATENT-3,830,335	c 07	N74-32418*
US-PATENT-3,771,074	c 36	N74-11313*	US-PATENT-3,802,262	c 35	N74-21018*	US-PATENT-3,830,431	c 07	N74-33218*
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US-PATENT-3,855,873	c 37	N75-13266* #	US-PATENT-3,893,449	c 54	N75-27760* #	US-PATENT-3,930,628	c 02	N76-16014* #
US-PATENT-3,856,042	c 37	N75-15050* #	US-PATENT-3,893,458	c 54	N75-27761* #	US-PATENT-3,930,735	c 66	N76-19888* #
US-PATENT-3,856,402	c 36	N75-15028* #	US-PATENT-3,893,573	c 18	N75-27041* #	US-PATENT-3,931,132	c 27	N76-16228* #
US-PATENT-3,856,471	c 25	N75-14844* #	US-PATENT-3,894,289	c 36	N75-27384* #	US-PATENT-3,931,447	c 27	N76-16229* #
US-PATENT-3,856,534	c 23	N75-14834* #	US-PATENT-3,894,677	c 24	N75-28135* #	US-PATENT-3,931,456	c 33	N76-16332* #
US-PATENT-3,857,031	c 35	N75-15014* #	US-PATENT-3,894,887	c 44	N76-16641* #	US-PATENT-3,931,462	c 45	N76-17656* #
US-PATENT-3,857,045	c 33	N75-14957* #	US-PATENT-3,895,521	c 35	N75-29381* #	US-PATENT-3,931,516	c 35	N76-16393* #
US-PATENT-3,859,119	c 36	N75-15029* #	US-PATENT-3,895,912	c 35	N75-29380* #	US-PATENT-3,931,532	c 44	N76-16612* #
US-PATENT-3,859,714	c 37	N75-15992* #	US-PATENT-3,896,758	c 35	N75-33367* #	US-PATENT-3,932,262	c 25	N79-10163* #
US-PATENT-3,859,714	c 24	N79-25143* #	US-PATENT-3,896,955	c 37	N77-22480* #	US-PATENT-3,936,927	c 37	N76-19437* #
US-PATENT-3,859,736	c 09	N75-15662* #	US-PATENT-3,898,578	c 33	N75-30428* #	US-PATENT-3,937,055	c 37	N76-18454* #
US-PATENT-3,859,840	c 35	N75-15932* #	US-PATENT-3,898,730	c 24	N75-30260* #	US-PATENT-3,937,212	c 33	N76-19338* #
US-PATENT-3,859,845	c 35	N75-15931* #	US-PATENT-3,898,882	c 35	N75-30503* #	US-PATENT-3,937,215	c 52	N76-19785* #
US-PATENT-3,860,342	c 35	N75-16783* #	US-PATENT-3,899,224	c 37	N75-30562* #	US-PATENT-3,937,387	c 37	N76-18455* #
US-PATENT-3,860,393	c 25	N76-18245* #	US-PATENT-3,899,252	c 35	N75-30502* #	US-PATENT-3,937,533	c 37	N76-18459* #
US-PATENT-3,860,858	c 33	N75-15874* #	US-PATENT-3,899,517	c 23	N75-30256* #	US-PATENT-3,937,555	c 35	N76-18402* #
US-PATENT-3,860,921	c 32	N75-15854* #	US-PATENT-3,899,680	c 73	N75-30876* #	US-PATENT-3,937,661	c 37	N76-18456* #
US-PATENT-3,860,946	c 33	N79-11134* #	US-PATENT-3,899,696	c 36	N75-30524* #	US-PATENT-3,937,945	c 74	N76-18913* #
US-PATENT-3,863,881	c 37	N75-18573* #	US-PATENT-3,899,745	c 33	N75-30429* #	US-PATENT-3,938,035	c 33	N76-19339* #
US-PATENT-3,864,060	c 35	N75-19611* #	US-PATENT-3,900,705	c 33	N75-30431* #	US-PATENT-3,938,037	c 26	N76-18257* #
US-PATENT-3,864,239	c 37	N75-19684* #	US-PATENT-3,900,741	c 35	N75-30504* #	US-PATENT-3,938,162	c 32	N76-18295* #
US-PATENT-3,864,542	c 37	N75-19683* #	US-PATENT-3,900,847	c 03	N75-30132* #	US-PATENT-3,938,182	c 33	N76-18353* #
US-PATENT-3,864,797	c 20	N75-18310* #	US-PATENT-3,902,143	c 33	N75-30430* #	US-PATENT-3,938,188	c 33	N76-18345* #
US-PATENT-3,864,953	c 35	N75-19615* #	US-PATENT-3,903,699	c 44	N75-32581* #	US-PATENT-3,938,367	c 35	N76-18401* #
US-PATENT-3,864,960	c 35	N75-19612* #	US-PATENT-3,905,356	c 33	N75-31329* #	US-PATENT-3,938,373	c 35	N76-18400* #
US-PATENT-3,865,442	c 37	N75-18574* #	US-PATENT-3,905,660	c 37	N75-31446* #	US-PATENT-3,938,742	c 07	N76-18117* #
US-PATENT-3,865,975	c 36	N75-19652* #	US-PATENT-3,906,231	c 33	N75-31332* #	US-PATENT-3,938,892	c 74	N76-19935* #
US-PATENT-3,866,022	c 33	N75-19519* #	US-PATENT-3,906,296	c 33	N75-31331* #	US-PATENT-3,938,956	c 35	N76-18403* #
US-PATENT-3,866,114	c 33	N75-18477* #	US-PATENT-3,906,374	c 33	N75-31330* #	US-PATENT-3,939,048	c 37	N76-18458* #
US-PATENT-3,866,128	c 33	N75-19515* #	US-PATENT-3,906,393	c 36	N75-31427* #	US-PATENT-3,939,439	c 36	N76-18428* #
USPATENT-3,866,210	c 33	N75-19517* #	US-PATENT-3,906,397	c 36	N75-31426* #	US-PATENT-3,940,097	c 34	N76-18364* #
US-PATENT-3,866,233	c 33	N75-19516* #	US-PATENT-3,906,398	c 36	N75-32441* #	US-PATENT-3,940,621	c 34	N76-18374* #
US-PATENT-3,866,863	c 18	N75-19329* #	US-PATENT-3,906,769	c 24	N75-33181* #	US-PATENT-3,941,355	c 37	N76-19436* #
US-PATENT-3,867,677	c 33	N75-19524* #	US-PATENT-3,906,788	c 35	N75-33369* #	US-PATENT-3,942,398	c 37	N76-20480* #
US-PATENT-3,868,591	c 36	N75-19655* #	US-PATENT-3,906,913	c 37	N76-18457* #	US-PATENT-3,943,368	c 74	N76-20958* #
US-PATENT-3,868,830	c 77	N75-20139* #	US-PATENT-3,906,954	c 52	N75-33640* #	US-PATENT-3,943,442	c 76	N76-20994* #
US-PATENT-3,868,856	c 35	N75-19614* #	US-PATENT-3,907,312	c 37	N75-33395* #	US-PATENT-3,943,763	c 04	N76-20114* #
US-PATENT-3,869,151	c 37	N75-19686* #	US-PATENT-3,907,646	c 35	N75-33668* #	US-PATENT-3,944,485	c 25	N81-19244* #
US-PATENT-3,869,160	c 37	N75-19685* #	US-PATENT-3,907,686	c 34	N75-33342* #	US-PATENT-3,945,801	c 45	N76-21742* #
US-PATENT-3,869,210	c 36	N75-19653* #	US-PATENT-3,908,118	c 38	N78-17395* #	US-PATENT-3,945,879	c 37	N76-21554* #
US-PATENT-3,869,212	c 35	N75-19613* #	US-PATENT-3,909,602	c 38	N78-17396* #	US-PATENT-3,947,281	c 27	N82-29455* #
US-PATENT-3,869,597	c 77	N75-20140* #	US-PATENT-3,910,035	c 20	N76-14190* #	US-PATENT-3,947,933	c 20	N76-21276* #
US-PATENT-3,869,615	c 35	N75-19616* #	US-PATENT-3,910,039	c 20	N76-14191* #	US-PATENT-3,948,102	c 33	N76-21390* #
US-PATENT-3,869,624	c 33	N75-18479* #	US-PATENT-3,910,257	c 52	N76-14757* #	US-PATENT-3,948,470	c 20	N76-21275* #
US-PATENT-3,869,659	c 33	N75-19522* #	US-PATENT-3,910,307	c 37	N76-14463* #	US-PATENT-3,949,206	c 32	N76-21366* #
US-PATENT-3,869,667	c 33	N75-19521* #	US-PATENT-3,910,533	c 18	N76-14186* #	US-PATENT-3,949,400	c 17	N76-21250* #
US-PATENT-3,869,676	c 33	N75-19520* #	US-PATENT-3,910,814	c 24	N76-14204* #	US-PATENT-3,949,404	c 32	N76-21365* #
US-PATENT-3,869,680	c 36	N75-19654* #	US-PATENT-3,911,260	c 35	N76-14431* #	US-PATENT-3,950,729	c 60	N76-21914* #
US-PATENT-3,869,779	c 26	N75-19408* #	US-PATENT-3,911,330	c 33	N76-14373* #	US-PATENT-3,951,129	c 44	N76-22657* #
US-PATENT-3,872,395	c 33	N75-19518* #	US-PATENT-3,912,540	c 44	N76-14600* #	US-PATENT-3,952,083	c 27	N76-22376* #
US-PATENT-3,874,240	c 35	N75-25122* #	US-PATENT-3,912,541	c 44	N76-14601* #	US-PATENT-3,952,590	c 09	N76-23273* #
US-PATENT-3,874,635	c 37	N75-25185* #	US-PATENT-3,912,999	c 44	N76-18643* #	US-PATENT-3,952,971	c 02	N76-21254* #
US-PATENT-3,874,677	c 37	N75-21631* #	US-PATENT-3,914,950	c 31	N76-14284* #	US-PATENT-3,952,976	c 37	N76-22540* #
US-PATENT-3,875,332	c 32	N75-21486* #	US-PATENT-3,914,969	c 37	N76-14461* #	US-PATENT-3,952,980	c 19	N76-22284* #
US-PATENT-3,875,394	c 33	N75-26243* #	US-PATENT-3,914,991	c 35	N76-14430* #	US-PATENT-3,952,998	c 20	N76-22296* #
US-PATENT-3,875,404	c 35	N75-23910* #	US-PATENT-3,914,997	c 35	N76-14429* #	US-PATENT-3,953,038	c 37	N76-22541* #
US-PATENT-3,875,435	c 20	N75-24837* #	US-PATENT-3,915,012	c 54	N76-14804* #	US-PATENT-3,953,343	c 24	N76-22305* #
US-PATENT-3,875,500	c 35	N75-21582* #	US-PATENT-3,915,148	c 44	N76-14602* #	US-PATENT-3,953,646	c 27	N76-22377* #
US-PATENT-3,875,584	c 32	N75-21485* #	US-PATENT-3,915,416	c 15	N76-14158* #	US-PATENT-3,953,674	c 17	N76-22245* #
US-PATENT-3,877,833	c 37	N75-25186* #	US-PATENT-3,915,482	c 37	N76-14460* #	US-PATENT-3,953,734	c 25	N76-22323* #
US-PATENT-3,878,464	c 32	N75-24981* #	US-PATENT-3,915,572	c 36	N76-14447* #	US-PATENT-3,953,792	c 35	N76-22509* #
US-PATENT-3,881,132	c 33	N77-21315* #	US-PATENT-3,916,060	c 27	N76-15310* #	US-PATENT-3,955,034	c 27	N76-23426* #
US-PATENT-3,882,417	c 36	N78-17366* #	US-PATENT-3,916,084	c 33	N76-14371* #	US-PATENT-3,955,941	c 44	N76-29700* #
US-PATENT-3,882,530	c 76	N75-25730* #	US-PATENT-3,916,187	c 35	N76-15431* #	US-PATENT-3,956,032	c 76	N76-25049* #
US-PATENT-3,882,634	c 51	N75-25503* #	US-PATENT-3,916,316	c 32	N76-14321* #	US-PATENT-3,956,050	c 37	N76-24575* #
US-PATENT-3,882,719	c 14	N75-24794* #	US-PATENT-3,916,380	c 60	N76-14818* #	US-PATENT-3,956,233	c 27	N76-24405* #
US-PATENT-3,882,732	c 12	N75-24774* #	US-PATENT-3,916,761	c 75	N76-14931* #	US-PATENT-3,956,833	c 09	N76-24280* #
US-PATENT-3,882,846	c 05	N75-24716* #	US-PATENT-3,919,014	c 24	N76-14203* #	US-PATENT-3,956,919	c 35	N76-24523* #
US-PATENT-3,883,095	c							

US-PATENT-3,964,319	c 07	N76-27232*	#	US-PATENT-4,001,552	c 38	N77-17495*	#	US-PATENT-4,043,674	c 36	N77-32478*	#
US-PATENT-3,964,613	c 37	N76-27567*	#	US-PATENT-4,001,602	c 33	N77-17354*	#	US-PATENT-4,044,753	c 44	N77-32582*	#
US-PATENT-3,964,902	c 34	N76-27515*	#	US-PATENT-4,003,004	c 33	N77-17351*	#	US-PATENT-4,044,821	c 44	N77-32581*	#
US-PATENT-3,964,928	c 44	N76-27664*	#	US-PATENT-4,003,084	c 35	N77-17426*	#	US-PATENT-4,045,063	c 37	N77-32499*	#
US-PATENT-3,965,096	c 27	N76-28215*	#	US-PATENT-4,003,257	c 23	N77-17161*	#	US-PATENT-4,045,149	c 07	N77-32148*	#
US-PATENT-3,965,354	c 33	N76-27473*	#	US-PATENT-4,004,292	c 74	N77-18893*	#	US-PATENT-4,045,247	c 35	N77-32454*	#
US-PATENT-3,965,475	c 33	N76-27472*	#	US-PATENT-4,005,574	c 07	N77-17059*	#	US-PATENT-4,045,255	c 26	N77-32279*	#
US-PATENT-3,966,499	c 44	N76-31666*	#	US-PATENT-4,006,631	c 04	N77-19056*	#	US-PATENT-4,045,315	c 44	N77-32580*	#
US-PATENT-3,966,547	c 25	N76-27383*	#	US-PATENT-4,006,999	c 24	N77-19170*	#	US-PATENT-4,045,359	c 25	N77-32255*	#
US-PATENT-3,967,091	c 37	N76-27568*	#	US-PATENT-4,007,430	c 36	N77-19416*	#	US-PATENT-4,045,728	c 35	N77-32455*	#
US-PATENT-3,971,230	c 37	N76-29590*	#	US-PATENT-4,007,434	c 32	N77-18307*	#	US-PATENT-4,045,792	c 60	N77-32731*	#
US-PATENT-3,971,256	c 91	N76-30131*	#	US-PATENT-4,007,601	c 34	N77-19053*	#	US-PATENT-4,045,795	c 32	N77-32342*	#
US-PATENT-3,971,362	c 52	N76-29894*	#	US-PATENT-4,007,623	c 35	N77-18417*	#	US-PATENT-4,046,012	c 35	N77-32456*	#
US-PATENT-3,971,363	c 52	N76-29895*	#	US-PATENT-4,007,891	c 07	N77-18154*	#	US-PATENT-4,046,190	c 34	N77-32413*	#
US-PATENT-3,971,364	c 52	N76-29896*	#	US-PATENT-4,008,348	c 34	N77-18382*	#	US-PATENT-4,046,262	c 54	N77-32721*	#
US-PATENT-3,971,535	c 05	N76-29217*	#	US-PATENT-4,008,407	c 73	N77-18891*	#	US-PATENT-4,046,434	c 37	N77-32500*	#
US-PATENT-3,971,602	c 37	N76-29588*	#	US-PATENT-4,010,455	c 37	N77-19458*	#	US-PATENT-4,046,435	c 37	N77-32501*	#
US-PATENT-3,971,697	c 25	N76-29379*	#	US-PATENT-4,010,455	c 37	N78-31426*	#	US-PATENT-4,046,462	c 44	N77-32583*	#
US-PATENT-3,971,703	c 51	N76-29891*	#	US-PATENT-4,011,719	c 20	N77-20162*	#	US-PATENT-4,046,529	c 54	N77-32722*	#
US-PATENT-3,971,847	c 44	N76-29704*	#	US-PATENT-4,011,756	c 35	N77-20400*	#	US-PATENT-4,046,560	c 26	N77-32280*	#
US-PATENT-3,971,915	c 35	N76-29552*	#	US-PATENT-4,011,854	c 35	N77-20401*	#	US-PATENT-4,046,617	c 76	N77-32919*	#
US-PATENT-3,971,930	c 74	N76-30053*	#	US-PATENT-4,012,018	c 35	N77-20399*	#	US-PATENT-4,046,619	c 27	N77-32308*	#
US-PATENT-3,971,940	c 35	N76-29551*	#	US-PATENT-4,012,123	c 74	N77-20882*	#	US-PATENT-4,047,840	c 37	N78-10468*	#
US-PATENT-3,972,008	c 36	N76-29575*	#	US-PATENT-4,012,237	c 26	N77-20201*	#	US-PATENT-4,051,558	c 52	N78-10686*	#
US-PATENT-3,972,038	c 17	N76-29347*	#	US-PATENT-4,012,696	c 32	N77-20289*	#	US-PATENT-4,051,834	c 44	N78-10554*	#
US-PATENT-3,972,651	c 44	N76-29701*	#	US-PATENT-4,014,745	c 51	N77-22794*	#	US-PATENT-4,051,877	c 35	N78-10428*	#
US-PATENT-3,972,727	c 44	N76-29699*	#	US-PATENT-4,014,798	c 25	N81-17187*	#	US-PATENT-4,052,144	c 25	N78-10224*	#
US-PATENT-3,976,997	c 62	N76-31946*	#	US-PATENT-4,017,959	c 37	N77-23482*	#	US-PATENT-4,052,181	c 71	N78-10837*	#
US-PATENT-3,977,147	c 39	N76-31562*	#	US-PATENT-4,018,080	c 35	N77-22450*	#	US-PATENT-4,052,302	c 25	N78-10225*	#
US-PATENT-3,977,197	c 44	N76-31667*	#	US-PATENT-4,018,085	c 35	N77-22449*	#	US-PATENT-4,052,523	c 24	N78-10214*	#
US-PATENT-3,977,231	c 35	N76-31489*	#	US-PATENT-4,018,092	c 37	N77-22482*	#	US-PATENT-4,052,614	c 35	N78-10429*	#
US-PATENT-3,977,771	c 74	N76-31998*	#	US-PATENT-4,018,409	c 37	N77-23483*	#	US-PATENT-4,052,648	c 33	N78-10376*	#
US-PATENT-3,977,787	c 35	N76-31490*	#	US-PATENT-4,018,423	c 54	N77-21844*	#	US-PATENT-4,052,659	c 33	N78-10377*	#
US-PATENT-3,977,831	c 45	N76-31714*	#	US-PATENT-4,018,532	c 74	N77-22951*	#	US-PATENT-4,052,666	c 43	N78-10529*	#
US-PATENT-3,978,187	c 37	N76-31524*	#	US-PATENT-4,018,533	c 74	N77-22950*	#	US-PATENT-4,052,705	c 60	N78-10709*	#
US-PATENT-3,978,287	c 32	N76-31372*	#	US-PATENT-4,018,649	c 51	N77-25769*	#	US-PATENT-4,053,229	c 74	N78-13874*	#
US-PATENT-3,978,360	c 33	N76-31409*	#	US-PATENT-4,018,971	c 44	N77-22606*	#	US-PATENT-4,053,231	c 35	N78-18391*	#
US-PATENT-3,978,364	c 31	N76-31365*	#	US-PATENT-4,019,179	c 32	N77-21267*	#	US-PATENT-4,053,918	c 44	N78-13526*	#
US-PATENT-3,978,410	c 03	N76-32140*	#	US-PATENT-4,019,868	c 44	N77-22607*	#	US-PATENT-4,055,004	c 09	N78-18083*	#
US-PATENT-3,978,417	c 36	N76-31512*	#	US-PATENT-4,020,632	c 07	N77-23106*	#	US-PATENT-4,055,041	c 07	N78-18066*	#
US-PATENT-3,978,490	c 33	N76-32457*	#	US-PATENT-4,023,266	c 33	N77-26385*	#	US-PATENT-4,055,072	c 35	N78-19465*	#
US-PATENT-3,982,910	c 44	N77-10638*	#	US-PATENT-4,025,327	c 35	N77-24455*	#	US-PATENT-4,055,089	c 35	N78-18390*	#
US-PATENT-3,983,695	c 20	N77-10148*	#	US-PATENT-4,025,783	c 74	N77-26942*	#	US-PATENT-4,055,147	c 35	N78-19466*	#
US-PATENT-3,983,714	c 31	N77-10229*	#	US-PATENT-4,025,866	c 33	N77-24375*	#	US-PATENT-4,055,416	c 26	N78-18182*	#
US-PATENT-3,983,749	c 09	N77-10071*	#	US-PATENT-4,025,875	c 36	N77-25499*	#	US-PATENT-4,055,447	c 26	N78-18183*	#
US-PATENT-3,983,753	c 52	N77-10780*	#	US-PATENT-4,025,876	c 71	N77-26919*	#	US-PATENT-4,055,686	c 37	N78-13436*	#
US-PATENT-3,983,780	c 28	N77-10213*	#	US-PATENT-4,025,891	c 35	N77-24454*	#	US-PATENT-4,055,705	c 34	N78-18355*	#
US-PATENT-3,983,933	c 34	N77-10463*	#	US-PATENT-4,025,890	c 32	N77-24328*	#	US-PATENT-4,056,707	c 44	N78-19599*	#
US-PATENT-3,984,070	c 02	N77-10001*	#	US-PATENT-4,025,964	c 52	N77-25772*	#	US-PATENT-4,056,764	c 35	N78-13400*	#
US-PATENT-3,984,072	c 15	N77-10113*	#	US-PATENT-4,026,527	c 34	N77-24423*	#	US-PATENT-4,055,777	c 33	N78-18308*	#
US-PATENT-3,984,256	c 44	N77-10635*	#	US-PATENT-4,026,655	c 36	N77-25501*	#	US-PATENT-4,055,810	c 36	N78-18410*	#
US-PATENT-3,984,634	c 32	N77-10392*	#	US-PATENT-4,027,212	c 33	N77-26386*	#	US-PATENT-4,055,847	c 33	N78-13320*	#
US-PATENT-3,984,671	c 43	N77-10584*	#	US-PATENT-4,027,265	c 32	N77-24331*	#	US-PATENT-4,061,029	c 35	N78-14364*	#
US-PATENT-3,984,681	c 35	N77-10492*	#	US-PATENT-4,027,273	c 36	N77-25502*	#	US-PATENT-4,061,041	c 71	N78-14867*	#
US-PATENT-3,984,685	c 47	N77-10753*	#	US-PATENT-4,027,494	c 35	N78-12390*	#	US-PATENT-4,061,146	c 52	N78-14773*	#
US-PATENT-3,984,686	c 35	N77-10493*	#	US-PATENT-4,027,524	c 09	N77-27131*	#	US-PATENT-4,061,190	c 43	N78-14452*	#
US-PATENT-3,984,730	c 33	N77-10429*	#	US-PATENT-4,028,939	c 34	N77-23745*	#	US-PATENT-4,061,427	c 36	N78-14380*	#
US-PATENT-3,984,799	c 33	N77-10428*	#	US-PATENT-4,029,470	c 51	N77-27677*	#	US-PATENT-4,061,561	c 25	N78-14104*	#
US-PATENT-3,985,454	c 74	N77-10899*	#	US-PATENT-4,029,500	c 24	N77-21787*	#	US-PATENT-4,061,570	c 54	N78-14784*	#
US-PATENT-3,987,630	c 37	N77-12402*	#	US-PATENT-4,029,838	c 24	N77-21788*	#	US-PATENT-4,061,577	c 74	N78-14889*	#
US-PATENT-3,988,561	c 37	N77-11397*	#	US-PATENT-4,030,047	c 35	N77-27366*	#	US-PATENT-4,061,579	c 24	N78-14096*	#
US-PATENT-3,988,677	c 32	N77-12240*	#	US-PATENT-4,030,348	c 39	N78-10493*	#	US-PATENT-4,061,812	c 24	N78-15180*	#
US-PATENT-3,988,716	c 60	N77-12721*	#	US-PATENT-4,031,389	c 36	N77-26477*	#	US-PATENT-4,061,834	c 27	N78-14164*	#
US-PATENT-3,988,729	c 32	N77-12239*	#	US-PATENT-4,032,089	c 24	N77-28225*	#	US-PATENT-4,061,856	c 27	N78-15276*	#
US-PATENT-3,988,933	c 35	N77-19385*	#	US-PATENT-4,032,089	c 27	N81-14077*	#	US-PATENT-4,061,955	c 44	N78-14625*	#
US-PATENT-3,989,136	c 37	N77-19457*	#	US-PATENT-4,033,119	c 07	N77-28118*	#	US-PATENT-4,061,974	c 32	N78-15323*	#
US-PATENT-3,989,206	c 09	N77-19076*	#	US-PATENT-4,033,133	c 28	N78-10374*	#	US-PATENT-4,062,227	c 39	N78-15512*	#
US-PATENT-3,989,541	c 44	N77-19571*	#	US-PATENT-4,033,182	c 39	N77-28511*	#	US-PATENT-4,062,245	c 37	N78-16369*	#
US-PATENT-3,989,602	c 24	N77-19171*	#	US-PATENT-4,033,286	c 25	N79-28253*	#	US-PATENT-4,062,347	c 44	N78-15560*	#
US-PATENT-3,990,049	c 60	N77-19760*	#	US-PATENT-4,033,316	c 33	N77-28385*	#	US-PATENT-4,062,650	c 25	N78-15210*	#
US-PATENT-3,990,860	c 27	N77-13217*	#	US-PATENT-4,033,334	c 52	N77-28717*	#	US-PATENT-4,062,996	c 74	N78-15879*	#
US-PATENT-3,990,987	c 37	N77-13418*	#	US-PATENT-4,033,349	c 52	N77-28716*	#	US-PATENT-4,063,088	c 74	N78-15880*	#
US-PATENT-3,994,128	c 07	N77-14025*	#	US-PATENT-4,033,479	c 37	N77-28487*	#	US-PATENT-4,063,092	c 35	N78-15461*	#
US-PATENT-3,995,324	c 52	N77-14735*	#	US-PATENT-4,033,503	c 26	N77-29260*	#	US-PATENT-4,063,282	c 39	N78-16387*	#
US-PATENT-3,995,476	c 35	N77-14407*	#	US-PATENT-4,033,504	c 26	N77-28265*	#	US-PATENT-4,063,814	c 74	N78-17866*	#
US-PATENT-3,995,522	c 37	N77-14478*	#	US-PATENT-4,033,705	c 07	N77-27116*	#	US-PATENT-4,063,981	c 24	N78-17149*	#
US-PATENT-3,995,621	c 52	N77-14736*	#	US-PATENT-4,033,882	c 32	N77-28346*	#	US-PATENT-4,064,566	c 27	N78-17215*	#
US-PATENT-3,995,644	c 52	N77-14738*	#	US-PATENT-4,035,037	c 37	N77-28486*	#	US-PATENT-4,064,642	c 54	N78-17675*	#
US-PATENT-3,995,789	c 37	N77-14479*	#	US-PATENT-4,035,062	c 74	N77-28932*	#	US-PATENT-4,064,692	c 37	N78-17384*	#
US-PATENT-3,995,877	c 37	N77-14477*	#	US-PATENT-4,035,065	c						

US-PATENT-4,070,574	c 74	N78-18905 #	US-PATENT-4,103,619	c 28	N79-11231 #	US-PATENT-4,135,290	c 44	N79-18444 #
US-PATENT-4,072,532	c 27	N78-19302 #	US-PATENT-4,103,712	c 37	N79-11402 #	US-PATENT-4,135,367	c 44	N79-18443 #
US-PATENT-4,075,057	c 73	N78-19920 #	US-PATENT-4,104,018	c 25	N79-11151 #	US-PATENT-4,135,817	c 35	N79-18296 #
US-PATENT-4,077,231	c 31	N78-25256 #	US-PATENT-4,104,084	c 44	N79-11467 #	US-PATENT-4,135,851	c 37	N79-18318 #
US-PATENT-4,077,678	c 44	N78-24608 #	US-PATENT-4,104,091	c 44	N79-11468 #	US-PATENT-4,135,851	c 37	N80-26658 #
US-PATENT-4,077,788	c 28	N78-24365 #	US-PATENT-4,104,134	c 44	N79-11469 #	US-PATENT-4,135,851	c 37	N82-19540 #
US-PATENT-4,077,788	c 28	N81-14103 #	US-PATENT-4,104,134	c 44	N80-16452 #	US-PATENT-4,136,211	c 24	N79-17916 #
US-PATENT-4,077,813	c 26	N78-24333 #	US-PATENT-4,104,873	c 37	N79-11403 #	US-PATENT-4,137,010	c 05	N79-17847 #
US-PATENT-4,077,818	c 44	N78-24609 #	US-PATENT-4,105,261	c 37	N79-11404 #	US-PATENT-4,137,365	c 27	N79-18052 #
US-PATENT-4,077,921	c 24	N78-24290 #	US-PATENT-4,105,517	c 44	N79-11470 #	US-PATENT-4,139,291	c 74	N79-20856 #
US-PATENT-4,078,110	c 34	N78-25350 #	US-PATENT-4,105,966	c 33	N79-11315 #	US-PATENT-4,139,806	c 71	N79-20827 #
US-PATENT-4,078,175	c 76	N78-24950 #	US-PATENT-4,106,218	c 74	N79-13855 #	US-PATENT-4,139,839	c 60	N79-20751 #
US-PATENT-4,078,290	c 37	N78-24544 #	US-PATENT-4,106,587	c 71	N79-14871 #	US-PATENT-4,139,862	c 32	N79-20297 #
US-PATENT-4,078,378	c 37	N78-24545 #	US-PATENT-4,106,687	c 37	N79-13364 #	US-PATENT-4,140,972	c 32	N79-20296 #
US-PATENT-4,079,268	c 32	N78-24391 #	US-PATENT-4,107,363	c 33	N79-12331 #	US-PATENT-4,141,219	c 34	N79-20335 #
US-PATENT-4,080,901	c 20	N78-24275 #	US-PATENT-4,107,627	c 72	N79-13826 #	US-PATENT-4,141,224	c 34	N79-20336 #
US-PATENT-4,081,250	c 44	N78-31527 #	US-PATENT-4,107,919	c 34	N79-13288 #	US-PATENT-4,141,259	c 37	N79-20377 #
US-PATENT-4,082,001	c 35	N78-24515 #	US-PATENT-4,108,241	c 34	N79-13289 #	US-PATENT-4,142,101	c 74	N79-20857 #
US-PATENT-4,082,569	c 44	N78-25527 #	US-PATENT-4,109,213	c 33	N79-22373 #	US-PATENT-4,142,119	c 33	N79-20314 #
US-PATENT-4,083,097	c 44	N78-25528 #	US-PATENT-4,109,644	c 52	N79-16580 #	US-PATENT-4,143,314	c 20	N79-20179 #
US-PATENT-4,083,181	c 07	N78-25089 #	US-PATENT-4,110,683	c 33	N79-18193 #	US-PATENT-4,145,058	c 37	N79-22475 #
US-PATENT-4,083,380	c 37	N78-25424 #	US-PATENT-4,110,703	c 36	N79-18307 #	US-PATENT-4,145,255	c 25	N79-22235 #
US-PATENT-4,083,520	c 15	N78-25119 #	US-PATENT-4,111,041	c 35	N79-14345 #	US-PATENT-4,145,524	c 27	N79-22300 #
US-PATENT-4,083,765	c 35	N78-25391 #	US-PATENT-4,111,058	c 35	N79-14347 #	US-PATENT-4,145,933	c 39	N79-22537 #
US-PATENT-4,084,124	c 44	N78-25531 #	US-PATENT-4,111,068	c 37	N79-14382 #	US-PATENT-4,146,180	c 37	N79-22474 #
US-PATENT-4,084,132	c 33	N78-25319 #	US-PATENT-4,111,184	c 44	N79-14526 #	US-PATENT-4,146,367	c 25	N81-33246 #
US-PATENT-4,084,612	c 34	N78-25351 #	US-PATENT-4,111,718	c 35	N79-14346 #	US-PATENT-4,146,409	c 26	N79-22271 #
US-PATENT-4,084,825	c 07	N78-25090 #	US-PATENT-4,111,729	c 28	N79-14228 #	US-PATENT-4,148,031	c 32	N79-24210 #
US-PATENT-4,084,985	c 44	N78-25529 #	US-PATENT-4,111,775	c 76	N79-14906 #	US-PATENT-4,148,295	c 44	N79-23481 #
US-PATENT-4,085,004	c 73	N78-28913 #	US-PATENT-4,111,851	c 24	N79-14156 #	US-PATENT-4,148,375	c 46	N79-22679 #
US-PATENT-4,085,241	c 44	N78-25530 #	US-PATENT-4,112,357	c 33	N79-14305 #	US-PATENT-4,148,452	c 08	N79-23097 #
US-PATENT-4,085,332	c 25	N78-25148 #	US-PATENT-4,112,497	c 32	N79-14267 #	US-PATENT-4,148,962	c 24	N79-24062 #
US-PATENT-4,087,902	c 33	N78-27326 #	US-PATENT-4,112,875	c 44	N79-33526 #	US-PATENT-4,149,034	c 71	N79-23753 #
US-PATENT-4,087,962	c 34	N78-27357 #	US-PATENT-4,116,131	c 20	N78-32179 #	US-PATENT-4,149,233	c 33	N79-24257 #
US-PATENT-4,087,975	c 44	N78-32542 #	US-PATENT-4,117,669	c 07	N79-10057 #	US-PATENT-4,149,278	c 54	N79-24652 #
US-PATENT-4,088,018	c 37	N78-27424 #	US-PATENT-4,117,731	c 35	N79-10390 #	US-PATENT-4,149,423	c 32	N79-24023 #
US-PATENT-4,088,094	c 51	N78-27733 #	US-PATENT-4,117,749	c 37	N79-10419 #	US-PATENT-4,149,521	c 44	N79-24433 #
US-PATENT-4,088,270	c 07	N78-27121 #	US-PATENT-4,117,881	c 51	N79-10694 #	US-PATENT-4,149,665	c 44	N79-24431 #
US-PATENT-4,088,291	c 37	N78-27425 #	US-PATENT-4,118,014	c 37	N79-10420 #	US-PATENT-4,149,817	c 44	N79-24432 #
US-PATENT-4,088,312	c 37	N78-27423 #	US-PATENT-4,118,315	c 51	N79-10693 #	US-PATENT-4,149,938	c 25	N79-24073 #
US-PATENT-4,088,408	c 74	N78-27904 #	US-PATENT-4,118,427	c 27	N80-32514 #	US-PATENT-4,150,425	c 33	N79-24254 #
US-PATENT-4,088,532	c 25	N78-27226 #	US-PATENT-4,118,620	c 37	N79-10421 #	US-PATENT-4,151,086	c 34	N79-24285 #
US-PATENT-4,088,806	c 24	N78-27180 #	US-PATENT-4,118,665	c 33	N79-10338 #	US-PATENT-4,151,456	c 33	N79-23345 #
US-PATENT-4,088,926	c 75	N78-27913 #	US-PATENT-4,118,666	c 32	N79-10262 #	US-PATENT-4,151,612	c 54	N79-24651 #
US-PATENT-4,088,951	c 35	N78-28411 #	US-PATENT-4,118,671	c 33	N79-10339 #	US-PATENT-4,151,800	c 24	N79-25142 #
US-PATENT-4,088,954	c 35	N78-32397 #	US-PATENT-4,118,701	c 32	N79-10264 #	US-PATENT-4,152,194	c 76	N79-23798 #
US-PATENT-4,088,965	c 36	N78-27402 #	US-PATENT-4,119,581	c 27	N81-14076 #	US-PATENT-4,153,134	c 46	N79-23555 #
US-PATENT-4,088,999	c 44	N78-28594 #	US-PATENT-4,119,926	c 33	N79-11313 #	US-PATENT-4,153,476	c 44	N79-25482 #
US-PATENT-4,089,004	c 32	N80-28539 #	US-PATENT-4,119,964	c 32	N79-11265 #	US-PATENT-4,153,818	c 32	N79-23310 #
US-PATENT-4,089,209	c 35	N78-27384 #	US-PATENT-4,119,972	c 32	N79-11264 #	US-PATENT-4,154,084	c 43	N79-25443 #
US-PATENT-4,089,705	c 44	N78-27515 #	US-PATENT-4,119,996	c 33	N79-12321 #	US-PATENT-4,154,228	c 52	N79-27836 #
US-PATENT-4,090,213	c 44	N80-29835 #	US-PATENT-4,121,965	c 32	N79-11920 #	US-PATENT-4,154,230	c 52	N79-26771 #
US-PATENT-4,091,166	c 27	N78-31233 #	US-PATENT-4,121,995	c 25	N79-11152 #	US-PATENT-4,154,256	c 05	N79-24976 #
US-PATENT-4,091,329	c 33	N78-32339 #	US-PATENT-4,122,214	c 44	N79-11472 #	US-PATENT-4,154,501	c 33	N81-29342 #
US-PATENT-4,091,464	c 54	N78-31735 #	US-PATENT-4,122,334	c 74	N79-12890 #	US-PATENT-4,154,912	c 44	N79-25481 #
US-PATENT-4,091,464	c 54	N79-24651 #	US-PATENT-4,122,383	c 44	N79-12541 #	US-PATENT-4,155,475	c 24	N79-25143 #
US-PATENT-4,091,465	c 54	N78-31736 #	US-PATENT-4,122,454	c 32	N79-13214 #	US-PATENT-4,156,309	c 44	N79-26475 #
US-PATENT-4,091,613	c 44	N78-32539 #	US-PATENT-4,122,518	c 52	N79-12694 #	US-PATENT-4,156,548	c 35	N79-26372 #
US-PATENT-4,091,665	c 09	N78-31129 #	US-PATENT-4,122,712	c 34	N79-12359 #	US-PATENT-4,156,752	c 15	N79-26100 #
US-PATENT-4,091,798	c 44	N78-31526 #	US-PATENT-4,122,725	c 38	N79-14398 #	US-PATENT-4,156,971	c 43	N79-26439 #
US-PATENT-4,091,800	c 44	N78-31525 #	US-PATENT-4,122,816	c 37	N79-11405 #	US-PATENT-4,157,655	c 43	N80-14423 #
US-PATENT-4,092,188	c 28	N78-31255 #	US-PATENT-4,122,833	c 44	N79-11471 #	US-PATENT-4,157,718	c 52	N80-14684 #
US-PATENT-4,092,274	c 27	N78-31232 #	US-PATENT-4,122,991	c 18	N79-11108 #	US-PATENT-4,158,583	c 28	N79-28342 #
US-PATENT-4,092,466	c 27	N78-32256 #	US-PATENT-4,123,355	c 45	N79-12584 #	US-PATENT-4,158,742	c 12	N79-26075 #
US-PATENT-4,092,606	c 27	N80-10358 #	US-PATENT-4,124,180	c 05	N79-12061 #	US-PATENT-4,158,775	c 72	N80-14877 #
US-PATENT-4,092,617	c 33	N78-32340 #	US-PATENT-4,124,792	c 07	N79-14095 #	US-PATENT-4,158,895	c 52	N79-26772 #
US-PATENT-4,092,633	c 54	N78-32720 #	US-PATENT-4,128,814	c 27	N79-12221 #	US-PATENT-4,159,262	c 27	N79-28307 #
US-PATENT-4,092,648	c 32	N78-31321 #	US-PATENT-4,129,357	c 36	N79-14362 #	US-PATENT-4,159,366	c 44	N79-26474 #
US-PATENT-4,092,712	c 33	N78-32341 #	US-PATENT-4,130,032	c 74	N79-14891 #	US-PATENT-4,159,634	c 37	N79-28550 #
US-PATENT-4,092,874	c 37	N78-31426 #	US-PATENT-4,130,112	c 37	N79-14838 #	US-PATENT-4,160,254	c 33	N79-28416 #
US-PATENT-4,093,156	c 05	N78-32086 #	US-PATENT-4,130,471	c 52	N79-14751 #	US-PATENT-4,160,548	c 37	N79-26775 #
US-PATENT-4,093,354	c 73	N78-32848 #	US-PATENT-4,130,490	c 25	N79-14169 #	US-PATENT-4,160,801	c 35	N79-28527 #
US-PATENT-4,093,382	c 38	N78-32447 #	US-PATENT-4,130,795	c 33	N79-15245 #	US-PATENT-4,161,661	c 33	N79-28415 #
US-PATENT-4,093,771	c 27	N78-32260 #	US-PATENT-4,131,336	c 35	N79-14349 #	US-PATENT-4,161,731	c 31	N79-28370 #
US-PATENT-4,093,917	c 35	N78-32396 #	US-PATENT-4,131,459	c 44	N79-14529 #	US-PATENT-4,161,747	c 37	N79-28549 #
US-PATENT-4,094,073	c 35	N78-32395 #	US-PATENT-4,131,486	c 27	N79-14213 #	US-PATENT-4,162,169	c 24	N79-31347 #
US-PATENT-4,094,758	c 26	N78-32229 #	US-PATENT-4,132,068	c 44	N79-14528 #	US-PATENT-4,162,701	c 34	N79-31523 #
US-PATENT-4,094,775	c 52	N80-14687 #	US-PATENT-4,132,069	c 07	N79-14096 #	US-PATENT-4,163,678	c 44	N79-31752 #
US-PATENT-4,094,862	c 27	N78-32261 #	US-PATENT-4,132,130	c 44	N79-14527 #	US-PATENT-4,164,079	c 09	N79-31228 #
US-PATENT-4,094,943	c 27	N78-32262 #	US-PATENT-4,132,375	c 08	N79-14108 #	US-PATENT-4,164,718	c 32	N80-14281 #
US-PATENT-4,095,593	c 54	N78-32721 #	US-PATENT-4,132,594	c 52	N79-14749 #	US-PATENT-4,165,460	c 43	N79-31706 #
US-PATENT-4,096,915	c 74	N78-32854 #	US-PATENT-4,132,599	c 52	N79-14750 #	US-PATENT-4,166,170	c 27	N79-33316 #
US-PATENT-4,097,194	c 07	N78-33101 #	US-PATENT-4,132,829	c 27	N79-14214 #	US-PATENT-4,166,170	c 44	N79-31753 #
US-PATENT-4,098,142	c 37	N79-10422 #	US-PATENT-4,132,940	c 35	N79-14348 #	US-PATENT-4,166,959	c 74	N79-34011 #
US-PATENT-4,099,799	c 37	N79-10418 #	US-PATENT-4,132,989	c 32	N79-14268 #	US-PATENT-4,167,111	c 46	N80-10709 #
US-PATENT-4,100,331	c 44	N79-10513 #	US-PATENT-4,133,697	c 44	N79-17314 #	US-PATENT-4,168,287	c 27	N80-10358 #
US-PATENT-4,100,487	c 33	N79-10337 #	US-PATENT-4,133,697	c 44	N80-14474 #	US-PATENT-4,168,483	c 39	N80-10507 #
US-PATENT-4,100,531	c							

US-PATENT-4,172,228	c 33	N80-14332* #	US-PATENT-4,211,354	c 24	N81-17170* #	US-PATENT-4,252,768	c 37	N81-25371* #
US-PATENT-4,172,786	c 45	N80-14579* #	US-PATENT-4,211,354	c 24	N81-26179* #	US-PATENT-4,253,156	c 34	N81-26402* #
US-PATENT-4,172,883	c 26	N80-14229* #	US-PATENT-4,212,199	c 02	N80-28300* #	US-PATENT-4,253,769	c 25	N81-25159* #
US-PATENT-4,173,001	c 36	N80-14384* #	US-PATENT-4,212,297	c 51	N81-14605* #	US-PATENT-4,254,464	c 62	N81-24779* #
US-PATENT-4,173,324	c 37	N80-14398* #	US-PATENT-4,212,477	c 37	N80-28711* #	US-PATENT-4,254,566	c 31	N81-19343* #
US-PATENT-4,173,397	c 44	N80-14473* #	US-PATENT-4,212,477	c 37	N81-26447* #	US-PATENT-4,255,048	c 36	N81-24422* #
US-PATENT-4,173,820	c 44	N80-14474* #	US-PATENT-4,212,690	c 26	N80-28492* #	US-PATENT-4,255,495	c 26	N81-25188* #
US-PATENT-4,175,249	c 44	N80-14472* #	US-PATENT-4,213,051	c 35	N80-28686* #	US-PATENT-4,255,929	c 37	N81-25370* #
US-PATENT-4,176,007	c 51	N80-16714* #	US-PATENT-4,213,064	c 60	N81-15706* #	US-PATENT-4,256,093	c 52	N81-25660* #
US-PATENT-4,176,360	c 18	N80-14183* #	US-PATENT-4,213,131	c 32	N80-28578* #	US-PATENT-4,258,366	c 32	N81-25278* #
US-PATENT-4,176,662	c 52	N80-16725* #	US-PATENT-4,213,684	c 74	N81-17886* #	US-PATENT-4,259,821	c 31	N81-25258* #
US-PATENT-4,176,950	c 36	N80-16321* #	US-PATENT-4,214,226	c 31	N80-32584* #	US-PATENT-4,259,825	c 31	N81-25259* #
US-PATENT-4,177,325	c 44	N80-16452* #	US-PATENT-4,214,703	c 07	N80-32392* #	US-PATENT-4,260,166	c 37	N81-24442* #
US-PATENT-4,177,333	c 25	N80-16116* #	US-PATENT-4,214,902	c 26	N80-32484* #	US-PATENT-4,260,187	c 37	N81-27519* #
US-PATENT-4,178,100	c 35	N80-18359* #	US-PATENT-4,214,905	c 24	N80-33482* #	US-PATENT-4,261,349	c 52	N81-25662* #
US-PATENT-4,180,648	c 27	N80-16158* #	US-PATENT-4,215,273	c 74	N80-33210* #	US-PATENT-4,261,537	c 08	N81-24106* #
US-PATENT-4,181,589	c 51	N80-16715* #	US-PATENT-4,215,327	c 32	N80-32605* #	US-PATENT-4,262,064	c 44	N81-24521* #
US-PATENT-4,182,158	c 35	N80-18358* #	US-PATENT-4,215,345	c 04	N80-32359* #	US-PATENT-4,262,067	c 27	N81-24257* #
US-PATENT-4,183,217	c 20	N80-18097* #	US-PATENT-4,215,548	c 37	N80-31790* #	US-PATENT-4,262,080	c 27	N81-25209* #
US-PATENT-4,184,072	c 44	N80-18552* #	US-PATENT-4,215,590	c 37	N80-32717* #	US-PATENT-4,262,195	c 44	N81-24520* #
US-PATENT-4,184,111	c 44	N80-18551* #	US-PATENT-4,215,592	c 37	N80-32716* #	US-PATENT-4,262,198	c 74	N83-19597* #
US-PATENT-4,184,149	c 06	N80-18036* #	US-PATENT-4,216,186	c 76	N80-32244* #	US-PATENT-4,262,206	c 74	N81-24900* #
US-PATENT-4,184,155	c 43	N80-18498* #	US-PATENT-4,216,542	c 33	N81-15192* #	US-PATENT-4,262,258	c 33	N81-27396* #
US-PATENT-4,184,327	c 07	N80-18039* #	US-PATENT-4,217,185	c 76	N80-32245* #	US-PATENT-4,262,259	c 33	N81-24338* #
US-PATENT-4,184,368	c 48	N80-18667* #	US-PATENT-4,217,633	c 44	N81-12542* #	US-PATENT-4,263,112	c 28	N81-24280* #
US-PATENT-4,184,472	c 76	N80-18951* #	US-PATENT-4,218,280	c 27	N80-32516* #	US-PATENT-4,264,310	c 54	N81-27806* #
US-PATENT-4,184,491	c 52	N80-18690* #	US-PATENT-4,218,633	c 72	N80-33168* #	US-PATENT-4,264,728	c 51	N81-28698* #
US-PATENT-4,184,609	c 37	N80-18393* #	US-PATENT-4,218,650	c 33	N80-32650* #	US-PATENT-4,264,802	c 35	N81-26431* #
US-PATENT-4,184,903	c 44	N80-18550* #	US-PATENT-4,218,682	c 32	N80-32604* #	US-PATENT-4,264,908	c 33	N81-26358* #
US-PATENT-4,185,164	c 33	N80-18286* #	US-PATENT-4,218,685	c 32	N81-14187* #	US-PATENT-4,264,940	c 33	N81-27397* #
US-PATENT-4,185,493	c 35	N80-18357* #	US-PATENT-4,218,892	c 35	N81-14287* #	US-PATENT-4,264,984	c 60	N81-27814* #
US-PATENT-4,186,347	c 32	N80-18253* #	US-PATENT-4,218,921	c 71	N81-15767* #	US-PATENT-4,265,416	c 14	N81-26161* #
US-PATENT-4,186,749	c 52	N80-18691* #	US-PATENT-4,218,941	c 37	N81-14319* #	US-PATENT-4,266,177	c 33	N81-27395* #
US-PATENT-4,187,394	c 32	N80-18252* #	US-PATENT-4,219,027	c 52	N81-14612* #	US-PATENT-4,266,743	c 08	N81-26152* #
US-PATENT-4,187,416	c 33	N80-18285* #	US-PATENT-4,219,084	c 31	N81-14137* #	US-PATENT-4,266,788	c 37	N81-26447* #
US-PATENT-4,187,470	c 36	N80-18372* #	US-PATENT-4,219,107	c 37	N81-15364* #	US-PATENT-4,267,594	c 33	N81-26359* #
US-PATENT-4,187,506	c 33	N80-18287* #	US-PATENT-4,219,171	c 37	N81-14320* #	US-PATENT-4,267,953	c 24	N81-26179* #
US-PATENT-4,188,368	c 31	N80-18231* #	US-PATENT-4,219,203	c 37	N81-15363* #	US-PATENT-4,267,992	c 37	N81-24443* #
US-PATENT-4,188,823	c 02	N80-20224* #	US-PATENT-4,219,926	c 44	N81-14389* #	US-PATENT-4,269,640	c 37	N81-24491* #
US-PATENT-4,189,234	c 74	N80-21138* #	US-PATENT-4,220,171	c 07	N81-14999* #	US-PATENT-4,269,787	c 27	N81-24256* #
US-PATENT-4,189,675	c 32	N80-20448* #	US-PATENT-4,221,005	c 32	N81-15179* #	US-PATENT-4,270,539	c 52	N81-28740* #
US-PATENT-4,189,914	c 07	N81-29129* #	US-PATENT-4,222,098	c 33	N81-14220* #	US-PATENT-4,270,984	c 44	N81-29524* #
US-PATENT-4,190,060	c 52	N81-29763* #	US-PATENT-4,225,102	c 02	N81-14968* #	US-PATENT-4,271,761	c 15	N81-24272* #
US-PATENT-4,190,626	c 24	N81-29163* #	US-PATENT-4,225,372	c 27	N81-14077* #	US-PATENT-4,272,046	c 08	N81-24205* #
US-PATENT-4,191,159	c 37	N80-29703* #	US-PATENT-4,226,475	c 43	N81-26509* #	US-PATENT-4,272,302	c 33	N81-26360* #
US-PATENT-4,191,505	c 44	N80-21828* #	US-PATENT-4,227,096	c 33	N81-17348* #	US-PATENT-4,272,470	c 23	N81-29160* #
US-PATENT-4,191,893	c 44	N80-29834* #	US-PATENT-4,228,422	c 33	N81-14221* #	US-PATENT-4,272,720	c 47	N82-24779* #
US-PATENT-4,192,290	c 44	N80-20810* #	US-PATENT-4,228,656	c 37	N81-14318* #	US-PATENT-4,273,304	c 05	N81-26114* #
US-PATENT-4,192,910	c 33	N80-20487* #	US-PATENT-4,229,182	c 28	N81-15119* #	US-PATENT-4,273,505	c 54	N81-26718* #
US-PATENT-4,192,910	c 44	N81-29524* #	US-PATENT-4,229,196	c 28	N81-14103* #	US-PATENT-4,273,918	c 27	N82-24338* #
US-PATENT-4,192,994	c 74	N80-21140* #	US-PATENT-4,229,473	c 24	N81-14000* #	US-PATENT-4,274,038	c 37	N81-33483* #
US-PATENT-4,193,388	c 44	N80-20808* #	US-PATENT-4,229,473	c 24	N81-33225* #	US-PATENT-4,274,285	c 35	N81-29407* #
US-PATENT-4,193,435	c 37	N80-23653* #	US-PATENT-4,230,717	c 52	N81-14613* #	US-PATENT-4,274,901	c 24	N81-33235* #
US-PATENT-4,193,570	c 35	N80-21719* #	US-PATENT-4,233,258	c 27	N81-14078* #	US-PATENT-4,275,317	c 33	N82-24418* #
US-PATENT-4,193,693	c 35	N80-20563* #	US-PATENT-4,233,606	c 32	N81-14185* #	US-PATENT-4,275,453	c 33	N82-24417* #
US-PATENT-4,193,827	c 28	N80-20402* #	US-PATENT-4,234,258	c 25	N81-14015* #	US-PATENT-4,276,344	c 27	N81-27272* #
US-PATENT-4,194,115	c 28	N81-14103* #	US-PATENT-4,234,715	c 25	N81-14016* #	US-PATENT-4,276,403	c 27	N81-27271* #
US-PATENT-4,195,244	c 25	N80-20334* #	US-PATENT-4,234,971	c 32	N81-14186* #	US-PATENT-4,276,553	c 32	N81-27341* #
US-PATENT-4,195,279	c 35	N80-20559* #	US-PATENT-4,235,060	c 37	N81-14317* #	US-PATENT-4,276,588	c 33	N81-33404* #
US-PATENT-4,195,512	c 43	N80-20560* #	US-PATENT-4,236,383	c 44	N81-17518* #	US-PATENT-4,277,402	c 23	N82-16174* #
US-PATENT-4,195,666	c 37	N80-23654* #	US-PATENT-4,237,662	c 08	N81-19130* #	US-PATENT-4,277,721	c 33	N82-24415* #
US-PATENT-4,196,129	c 27	N80-32515* #	US-PATENT-4,238,911	c 31	N81-27323* #	US-PATENT-4,278,220	c 07	N82-26293* #
US-PATENT-4,196,619	c 46	N80-24906* #	US-PATENT-4,239,057	c 24	N81-17349* #	US-PATENT-4,278,351	c 74	N81-29963* #
US-PATENT-4,196,840	c 37	N80-23655* #	US-PATENT-4,240,256	c 37	N81-17432* #	US-PATENT-4,278,830	c 44	N82-28780* #
US-PATENT-4,197,530	c 33	N80-23559* #	US-PATENT-4,240,290	c 06	N81-17057* #	US-PATENT-4,278,978	c 32	N81-29308* #
US-PATENT-4,198,209	c 28	N80-23471* #	US-PATENT-4,240,601	c 43	N81-17499* #	US-PATENT-4,279,018	c 33	N81-33405* #
US-PATENT-4,198,232	c 26	N80-23419* #	US-PATENT-4,241,308	c 33	N81-17349* #	US-PATENT-4,279,001	c 33	N82-24416* #
US-PATENT-4,198,768	c 74	N80-24149* #	US-PATENT-4,241,312	c 35	N81-19427* #	US-PATENT-4,279,632	c 31	N81-33139* #
US-PATENT-4,198,792	c 25	N80-23863* #	US-PATENT-4,242,498	c 27	N81-17259* #	US-PATENT-4,279,906	c 52	N81-29764* #
US-PATENT-4,198,988	c 52	N80-23969* #	US-PATENT-4,242,553	c 33	N81-19389* #	US-PATENT-4,280,141	c 33	N81-33403* #
US-PATENT-4,199,448	c 27	N80-23452* #	US-PATENT-4,242,884	c 07	N81-17116* #	US-PATENT-4,280,689	c 37	N81-33482* #
US-PATENT-4,199,650	c 27	N80-24437* #	US-PATENT-4,243,323	c 74	N81-17888* #	US-PATENT-4,280,766	c 35	N81-33448* #
US-PATENT-4,199,764	c 32	N80-23524* #	US-PATENT-4,243,327	c 74	N81-17887* #	US-PATENT-4,281,102	c 27	N81-29229* #
US-PATENT-4,199,937	c 34	N80-24573* #	US-PATENT-4,244,215	c 04	N81-21047* #	US-PATENT-4,281,384	c 18	N81-29152* #
US-PATENT-4,199,937	c 44	N81-24519* #	US-PATENT-4,244,810	c 09	N82-29330* #	US-PATENT-4,281,708	c 33	N82-24419* #
US-PATENT-4,200,721	c 27	N80-24438* #	US-PATENT-4,244,853	c 27	N81-19296* #	US-PATENT-4,282,479	c 33	N82-24420* #
US-PATENT-4,201,468	c 32	N80-24510* #	US-PATENT-4,244,857	c 27	N81-17260* #	US-PATENT-4,282,525	c 46	N82-12685* #
US-PATENT-4,203,723	c 27	N80-26446* #	US-PATENT-4,245,085	c 27	N81-17262* #	US-PATENT-4,282,752	c 44	N82-16474* #
US-PATENT-4,204,037	c 51	N80-27067* #	US-PATENT-4,245,286	c 33	N81-19392* #	US-PATENT-4,283,705	c 06	N82-16075* #
US-PATENT-4,204,154	c 33	N80-26599* #	US-PATENT-4,245,288	c 33	N81-19393* #	US-PATENT-4,283,995	c 37	N81-32510* #
US-PATENT-4,204,402	c 07	N80-26298* #	US-PATENT-4,245,469	c 44	N81-24519* #	US-PATENT-4,284,034	c 51	N81-32829* #
US-PATENT-4,204,544	c 52	N80-27072* #	US-PATENT-4,245,768	c 37	N81-19455* #	US-PATENT-4,284,461	c 27	N82-11206* #
US-PATENT-4,204,899	c 24	N80-26388* #	US-PATENT-4,245,956	c 05	N81-19087* #	US-PATENT-4,284,682	c 27	N82-16238* #
US-PATENT-4,205,229	c 35	N80-26635* #	US-PATENT-4,246,001	c 27	N81-17261* #	US-PATENT-4,286,209	c 35	N82-11431* #
US-PATENT-4,206,383	c 72	N80-27163* #	US-PATENT-4,246,901	c 52	N81-24711* #	US-PATENT-4,286,460	c 09	N82-11088* #
US-PATENT-4,206,713</td								

US-PATENT-4,291,294	c 04	N82-16059* #	US-PATENT-4,343,287	c 37	N82-32730* #
US-PATENT-4,291,887	c 37	N82-12442* #	US-PATENT-4,343,447	c 08	N82-32373* #
US-PATENT-4,292,375	c 24	N82-24296* #	US-PATENT-4,343,506	c 85	N82-33288* #
US-PATENT-4,292,634	c 32	N82-12297* #	US-PATENT-4,343,584	c 37	N82-32731* #
US-PATENT-4,293,522	c 25	N82-12166* #	US-PATENT-4,343,772	c 44	N83-10501* #
US-PATENT-4,294,261	c 52	N82-11770* #	US-PATENT-4,344,591	c 24	N82-32417* #
US-PATENT-4,294,264	c 52	N82-22875* #	US-PATENT-4,344,996	c 27	N82-33521* #
US-PATENT-4,295,111	c 33	N82-11357* #	US-PATENT-4,345,153	c 35	N82-32659* #
US-PATENT-4,295,140	c 35	N82-15381* #	US-PATENT-4,346,595	c 06	N83-10040* #
US-PATENT-4,295,786	c 37	N82-19540* #	US-PATENT-4,346,715	c 52	N82-33996* #
US-PATENT-4,298,833	c 33	N82-18493* #	US-PATENT-4,346,990	c 36	N82-32712* #
US-PATENT-4,298,926	c 33	N82-18494* #	US-PATENT-4,347,613	c 36	N83-10417* #
US-PATENT-4,298,987	c 60	N82-16747* #	US-PATENT-4,349,424	c 24	N83-10117* #
US-PATENT-4,299,492	c 36	N82-16396* #	US-PATENT-4,349,429	c 25	N83-10126* #
US-PATENT-4,300,106	c 36	N82-13415* #	US-PATENT-4,349,954	c 26	N83-10170* #
US-PATENT-4,300,159	c 43	N82-13465* #	US-PATENT-4,350,410	c 74	N83-10900* #
US-PATENT-4,300,656	c 71	N82-16800* #	US-PATENT-4,350,574	c 44	N83-10494* #
US-PATENT-4,300,723	c 34	N82-13376* #	US-PATENT-4,351,022	c 33	N83-10345* #
US-PATENT-4,301,740	c 37	N82-21587* #	US-PATENT-4,355,870	c 74	N83-13978* #
US-PATENT-4,302,223	c 25	N82-21269* #	US-PATENT-4,357,402	c 25	N83-13188* #
US-PATENT-4,302,734	c 33	N82-16340* #	US-PATENT-4,357,402	c 27	N83-15465* #
US-PATENT-4,303,961	c 28	N82-18401* #	US-PATENT-4,358,358	c 25	N83-13187* #
US-PATENT-4,304,219	c 44	N82-18686* #	US-PATENT-4,358,480	c 24	N83-13172* #
US-PATENT-4,304,320	c 37	N82-18601* #	US-PATENT-4,358,486	c 24	N83-13171* #
US-PATENT-4,305,205	c 37	N82-26672* #	US-PATENT-4,358,732	c 33	N83-18996* #
US-PATENT-4,307,024	c 25	N82-24312* #	US-PATENT-4,358,846	c 32	N83-13323* #
US-PATENT-4,307,510	c 60	N82-24839* #	US-PATENT-4,360,325	c 44	N83-14693* #
US-PATENT-4,307,575	c 44	N82-26776* #	US-PATENT-4,360,701	c 44	N83-14592* #
US-PATENT-4,307,856	c 05	N82-26277* #	US-PATENT-4,362,361	c 74	N83-17305* #
US-PATENT-4,308,309	c 27	N82-24339* #	US-PATENT-4,363,188	c 51	N83-17045* #
US-PATENT-4,308,868	c 52	N82-29863* #	US-PATENT-4,363,237	c 71	N83-17235* #
US-PATENT-4,309,039	c 37	N82-24490* #	US-PATENT-4,363,242	c 33	N83-16626* #
US-PATENT-4,309,146	c 44	N82-24639* #	US-PATENT-4,370,750	c 34	N83-19015* #
US-PATENT-4,309,372	c 25	N82-21268* #	US-PATENT-4,371,301	c 37	N83-19091* #
US-PATENT-4,310,049	c 25	N82-23282* #	US-PATENT-4,371,873	c 32	N83-19968* #
US-PATENT-4,310,132	c 24	N82-26384* #	US-PATENT-4,371,946	c 32	N83-18975* #
US-PATENT-4,310,574	c 27	N82-28441* #	US-PATENT-4,372,158	c 44	N83-21503* #
US-PATENT-4,310,906	c 33	N82-26572* #	US-PATENT-4,372,159	c 44	N83-21504* #
US-PATENT-4,311,055	c 54	N82-26987* #	US-PATENT-4,372,377	c 74	N83-19596* #
US-PATENT-4,311,057	c 37	N82-24493* #	US-PATENT-4,372,680	c 35	N83-21311* #
US-PATENT-4,311,378	c 35	N82-26628* #	US-PATENT-4,373,003	c 27	N83-18908* #
US-PATENT-4,311,615	c 25	N82-26396* #	US-PATENT-4,373,039	c 27	N83-19900* #
US-PATENT-4,311,870	c 44	N82-26777* #	US-PATENT-4,373,989	c 76	N83-20789* #
US-PATENT-4,312,292	c 37	N82-24492* #	US-PATENT-4,375,281	c 05	N83-19737* #
US-PATENT-4,313,077	c 33	N82-26569* #	US-PATENT-4,375,396	c 31	N83-19947* #
US-PATENT-4,313,103	c 33	N82-256570* #	US-PATENT-4,375,674	c 39	N83-20280* #
US-PATENT-4,313,291	c 09	N82-29330* #	US-PATENT-4,377,089	c 35	N83-21312* #
US-PATENT-4,313,726	c 09	N82-24212* #	US-PATENT-4,377,169	c 52	N83-21785* #
US-PATENT-4,313,745	c 27	N82-28442* #	US-PATENT-4,377,266	c 07	N83-20944* #
US-PATENT-4,313,777	c 33	N82-26571* #	US-PATENT-4,377,343	c 74	N83-21949* #
US-PATENT-4,314,984	c 25	N82-28368* #	US-PATENT-4,377,371	c 18	N83-20996* #
US-PATENT-4,315,194	c 33	N82-26568* #			
US-PATENT-4,315,197	c 33	N82-24421* #			
US-PATENT-4,315,266	c 32	N82-27558* #			
US-PATENT-4,316,035	c 23	N82-28353* #			
US-PATENT-4,317,102	c 35	N82-24470* #			
US-PATENT-4,319,133	c 33	N82-28545* #			
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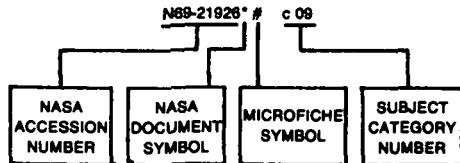
ACCESSION NUMBER INDEX

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Section 2

Typical Accession Number Index Listing



Listings in the index are arranged numerically by NASA accession number. The category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

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N77-14335* #	c 33	N77-27400* #	c 37	N78-17055* #	c 07	N78-27424* #	c 37	N79-12331* #	c 33
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N77-14407* #	c 35	N77-28118* #	c 07	N78-17140* #	c 17	N78-27515* #	c 44	N79-12541* #	c 44
N77-14408* #	c 35	N77-28225* #	c 24	N78-17149* #	c 24	N78-27733* #	c 51	N79-12584* #	c 45
N77-14409* #	c 35	N77-28265* #	c 26	N78-17150* #	c 24	N78-27750* #	c 52	N79-12694* #	c 52
N77-14411* #	c 35	N77-28346* #	c 32	N78-17205* #	c 27	N78-27904* #	c 74	N79-12890* #	c 74
N77-14477* #	c 37	N77-28385* #	c 33	N78-17206* #	c 27	N78-27913* #	c 75	N79-13214* #	c 32
N77-14478* #	c 37	N77-28486* #	c 37	N78-17213* #	c 27	N78-28411* #	c 35	N79-13288* #	c 34
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N77-14581* #	c 44	N77-28716* #	c 52	N78-17237* #	c 31	N78-289421* #	c 35	N79-13826* #	c 72
N77-14735* #	c 52	N77-28932* #	c 74	N78-17238* #	c 31	N78-31129* #	c 09	N79-13855* #	c 74
N77-14736* #	c 52	N77-28933* #	c 74	N78-17293* #	c 33	N78-31232* #	c 27	N79-14095* #	c 07
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N77-2									

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16. Abstract

This bibliography is issued in two sections: Section 1 - Abstracts, Section 2 - Indexes. This issue of the Index Section contains entries for over 4000 patent and applications for patent citations covering the period May 1969 through June 1983. The Index Section contains six indexes: subject, inventor, source, contract, number, and accession number.

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