

should address. Please mail written comments to: Vida Mossman, Pacific Missile Range Facility, P.O. Box 128, Kekaha, Kauai, Hawaii, 96752-0128, or send by facsimile at (808) 335-4660. Please postmark comments by June 23, 1997.

**FOR FURTHER INFORMATION CONTACT:**

Additional information concerning this notice may be obtained by contacting Vida Mossman, Pacific Missile Range Facility, P.O. Box 128, Kekaha, Kauai, Hawaii, 96752-0128, telephone (808) 335-4740.

Dated: May 20, 1997.

**D. E. Koenig,**

*LCDR, JAG, USN, Federal Register Liaison Officer.*

[FR Doc. 97-13639 Filed 5-22-97; 8:45 am]

BILLING CODE 3810-FF-P

## DEPARTMENT OF DEFENSE

### Department of the Navy

#### Notice of Government-Owned Inventions; Availability for Licensing

**SUMMARY:** The inventions listed below are assigned to the United States Government as represented by the Secretary of the Navy and are made available for licensing by the Department of the Navy.

Copies of patents cited are available from the Commissioner of Patents and Trademarks, Washington, D.C. 20231, for \$3.00 each. Requests for copies of patents must include the patent number.

Copies of patent applications cited are available from the National Technical Information Service (NTIS), Springfield, Virginia 22161 for \$6.95 each (\$10.95 outside North American Continent). Requests for copies of patent applications must include the patent application serial number. Claims are deleted from the copies of patent applications sold to avoid premature disclosure.

The following patents and patent applications are available for licensing:

Patent 5,459,754: SERIAL BIT PATTERN RECOGNIZER SYSTEM; filed 21 September 1994; patented 17 October 1995.//Patent 5,479,094: POLARIZATION INSENSITIVE CURRENT AND MAGNETIC FIELD OPTIC SENSOR; filed 24 April 1995; patented 26 December 1995.//Patent 5,528,611: REPETITIVELY Q-SWITCHED LASER PUMPED BY LASER DIODES AND Q-SWITCHED WITH AN INTRACAVITY VARIABLE SPEED MOVING APERTURE; filed 16 February 1995; patented 18 June 1996.//Patent 5,528,612: LASER WITH MULTIPLE GAIN ELEMENTS; filed 19

November 1993; patented 18 June 1996.//Patent 5,530,711: LOW THRESHOLD DIODE-PUMPED TUNABLE DYE LASER; filed 1 September 1994; patented 25 June 1996.//Patent 5,530,778: DIRECTION FINDING APPARATUS USING TUNABLE FIBER OPTIC DELAY LINE; filed 23 February 1995; patented 25 June 1996.//Patent 5,532,589: SUBSURFACE EXAMINATION OF NON-FERROUS MATERIAL FOR DETECTING CORROSION BY MEASURING MAGNETIC TRACTION; filed 24 May 1995; patented 2 July 1996.//Patent 5,532,700: PREPROCESSOR AND ADAPTIVE BEAMFORMER FOR ACTIVE SIGNALS OF ARBITRARY WAVEFORM; filed 16 March 1995; patented 2 July 1996.//Patent 5,537,624: DATA REPACKING CIRCUIT HAVING TOGGLE BUFFER FOR TRANSFERRING DIGITAL DATA FROM P1Q1 BUS WIDTH TO P2Q2 BUS WIDTH; filed 12 February 1991; patented 16 July 1996.//Patent 5,537,646: APPARATUS INITIALIZED FOR SELECTED DEVICE BASED UPON TIMING, INTERRUPT, AND DMA CONTROL COMMANDS WITHIN CONFIGURATION DATA PASSED FROM PROCESSOR TO TRANSFER DATA TO SELECTED DEVICE; filed 19 November 1992; patented 16 July 1996.//Patent 5,538,925: Si3N4 REINFORCED MONOCLINIC BAO.AL2O3.2SiO2 AND SRO.AL2O3SiO2 CERAMIC COMPOSITES; filed 14 August 1995; patented 23 July 1996.//Patent 5,539,411: MULTISTATIC RADAR SIGNATURE MEASUREMENT APPARATUS; filed 17 November 1995; patented 23 July 1996.//Patent 5,539,786: DIGITAL CIRCUIT FOR GENERATING A CLOCK SIGNAL; filed 31 July 1995; patented 23 July 1996.//Patent 5,539,960: CYLINDRICAL CONVEX DOOR KNOB TERMINATION; filed 22 December 1987; patented 30 July 1996.//Patent 5,540,218: RESPIRATORY SYSTEM PARTICULARLY SUITED FOR AIRCREW USE; filed 5 December 1994; patented 30 July 1996.//Patent 5,541,946: LASER WITH MULTIPLE GAIN ELEMENTS PUMPED BY A SINGLE EXCITATION SOURCE; filed 31 October 1994; patented 30 July 1996.//Patent 5,543,204: BI-DIRECTIONALLY CORRUGATED SANDWICH CONSTRUCTION; filed 5 January 1995; patented 6 August 1996.//Patent 5,543,910: PASSIVE SUBMARINE RANGE FINDING DEVICE AND METHOD; filed 19 December 1994; patented 6 August 1996.//Patent 5,544,199: NON-ADAPTIVE PHASE-DIFFERENCE INTERFERENCE FILTER; filed 11 June 1991; patented 6 August

1996.//Patent 5,544,524: APPARATUS AND METHOD FOR PREDICTING FLOW CHARACTERISTICS; filed 20 July 1995; patented 13 August 1996.//Patent 5,545,517: SELECTIVE METAL ION DETECTION USING A PHOTOLUMINESCENT INDICATOR BINDING TO A MACROMOLECULE-METAL ION COMPLEX; filed 15 March 1994; patented 13 August 1996.//Patent 5,546,241: PROJECTOR SLIDES FOR NIGHT VISION TRAINING; filed 25 August 1994; patented 13 August 1996.//Patent 5,549,065: WATER VEHICLE AND A DIRECTIONAL CONTROL DEVICE THEREFOR; filed 27 March 1995; patented 27 August 1996.//Patent 5,549,991: ALUMINUM PERMANGANATE BATTERY; filed 30 November 1993; patented 27 August 1996.//Patent 5,550,425: NEGATIVE ELECTRON AFFINITY SPARK PLUG; filed 27 January 1995; patented 27 August 1996.//Patent 5,550,759: ADAPTIVE PARAMETER KERNEL PROCESSOR; filed 7 August 1995; patented 27 August 1996.//Patent 5,550,789: WATER TURBULENCE DETECTOR; filed 17 September 1971; patented 27 August 1996.//Patent 5,550,791: COMPOSITE HYDROPHONE ARRAY ASSEMBLY AND SHADING; filed 2 August 1995; patented 27 August 1996.//Patent 5,550,951: METRICS FOR SPECIFYING AND/OR TESTING NEURAL NETWORKS; filed 18 March 1993; patented 27 August 1996.//Patent 5,551,349: INTERNAL CONDUIT VEHICLE; filed 29 June 1995; patented 3 September 1996.//Patent 5,551,363: UNDERWATER VEHICLE AND A COMBINATION DIRECTIONAL CONTROL AND CABLE INTERCONNECT MEANS; filed 27 March 1995; patented 3 September 1996.//Patent 5,551,364: UNDERWATER VEHICLE AND COMBINATION DIRECTIONAL CONTROL AND CABLE INTERCONNECT DEVICE; filed 27 March 1995; patented 3 September 1996.//Patent 5,551,365: WATER VEHICLE AND A DIRECTIONAL CONTROL MEANS THEREFOR; filed 27 March 1995; patented 3 September 1996.//Patent 5,551,369: DUALCAVITATING HYDROFOIL STRUCTURES; filed 31 March 1995; patented 3 September 1996.//Patent 5,551,641: NON-PULPABLES COLLECTION CHAMBER WITH REMOVABLE BASKET FOR SOLID WASTE PULPERS; filed 30 September 1994; patented 3 September 1996.//Patent 5,551,875: LAND BASED SUBMARINE WEAPONS SYSTEM SIMULATOR WITH CONTROL PANEL TESTER AND TRAINER; filed 3 October 1994; patented 3 September 1996.//

Patent 5,552,456: DRAG REDUCING RAPID SOLVATING SLURRY CONCENTRATE AND PREPARATION; filed 26 August 1974; patented 3 September 1996.//Patent 5,552,505: HIGH TEMPERATURE COPOLYMERS FROM INORGANIC-ORGANIC HYBRID POLYMERS AND MULTI-ETHYNYLBENZENES; filed 3 March 1995; patented 3 September 1996.//Patent 5,552,787: MEASUREMENT OF TOPOGRAPHY USING POLARIMETRIC SYNTHETIC APERTURE RADAR (SAR); filed 10 October 1995; patented 3 September 1996.//Patent 5,552,993: AUDIO INFORMATION APPARATUS FOR PROVIDING POSITION INFORMATION; filed 5 December 1994; patented 3 September 1996.//Patent 5,553,176: SINGLE IN-LINE FIBER-OPTIC ROTARY JOINT; filed 14 July 1995; patented 3 September 1996.//Patent 5,553,280: METHOD FOR PROVIDING CRITICAL TIME REACTIVE MANAGEMENT OF DATABASE TRANSACTIONS FOR SYSTEMS PROCESS; filed 17 August 1994; patented 3 September 1996.//Patent 5,553,871: FLUIDTIGHT DOOR GASKET; filed 12 May 1994; patented 10 September 1996.//Patent 5,554,214: WATER ABLATIVE COATING FOR VEHICLE DRAG REDUCTION; filed 3 September 1976; patented 10 September 1996.//Patent 5,555,532: METHOD AND APPARATUS FOR TARGET IMAGING WITH SIDELOOKING SONAR; filed 23 May 1984; patented 10 September 1996.//Patent 5,557,556: POWER PLANT SIMULATION FOR WATERBORNE VESSEL COMPUTER-ASSISTED DESIGN AND EVALUATION; filed 30 September 1994; patented 17 September 1996.//Patent 5,559,480: STRIPLINE-TO-WAVEGUIDE TRANSITION; filed 22 August 1983; patented 24 September 1996.//Patent 5,559,754: SEDIMENT CLASSIFICATION SYSTEM; filed 14 April 1994; patented 24 September 1996.//Patent 5,560,960: POLYMERIZED PHOSPHOLIPID MEMBRANE MEDIATED SYNTHESIS OF METAL NANOPARTICLES; filed 4 November 1994; patented 1 October 1996.//Patent 5,561,276: TWO-PHASE-FLOW MUFFLER IN A ROTATING SHAFT; filed 30 October 1995; patented 1 October 1996.//Patent 5,561,418: LEAK DETECTOR FOR CONDUCTIVE LIQUID BOILER; filed 22 September 1994; patented 1 October 1996.//Patent 5,561,546: METHOD AND APPARATUS FOR IMPROVING THE SENSITIVITY OF OPTICAL MODULATORS; filed 17 March 1995; patented 1 October 1996.//Patent 5,561,640: MULTI-SECTION SONAR ARRAY CABLE; filed 22 May 1995; patented 1 October 1996.//Patent

5,561,667: SYSTOLIC MULTIPLE CHANNEL BAND-PARTITIONED NOISE CANCELLER; filed 21 June 1991; patented 1 October 1996.//Patent 5,561,794: EARLY COMMIT OPTIMISTIC PROJECTION-BASED COMPUTER DATABASE PROTOCOL; filed 28 April 1994; patented 1 October 1996.//Patent 5,562,065: ELASTOMERIC PUMP; filed 11 August 1995; patented 8 October 1996.//Patent 5,563,181: SILOXANE UNSATURATED HYDROCARBON BASED THERMOSETTING POLYMERS; filed 9 May 1995; patented 8 October 1996.//Patent 5,563,845: SYSTEM AND METHOD FOR ACOUSTICALLY IMAGING AN UNDERGROUND TANK; filed 7 November 1995; patented 8 October 1996.//Patent 5,565,133: HIGH CONCENTRATION SLURRY FORMULATION AND APPLICATION; filed 16 February 1973; patented 15 October 1996.//Patent 5,565,360: BIOLUMINESCENT BIOASSAY SYSTEM; filed 11 October 1994; patented 15 October 1996.//Patent 5,565,716: VARIABLE RESISTANCE, LIQUID-COOLED LOAD BANK; filed 1 March 1995; patented 15 October 1996.//Patent 5,566,132: ACOUSTIC TRANSDUCER; filed 11 December 1995; patented 15 October 1996.//Patent 5,566,135: DIGITAL TRANSDUCER; filed 11 July 1995; patented 15 October 1996.//Patent 5,566,908: AIR-LAUNCHABLE GLIDING SONOBUOY; filed 30 January 1995; patented 22 October 1996.//Patent 5,567,551: METHOD FOR PREPARATION OF MASK FOR ION BEAM LITHOGRAPHY; filed 4 April 1994; patented 22 October 1996.//Patent 5,568,049: FIBER OPTIC FARADAY FLUX TRANSFORMER SENSOR AND SYSTEM; filed 22 October 1993; patented 22 October 1996.//Patent 5,568,130: FIRE DETECTOR; filed 30 September 1994; patented 22 October 1996.//Patent 5,568,447: INTERFACE MODULE FOR A TOWED ARRAY; filed 8 December 1995; patented 22 October 1996.//Patent 5,568,450: SYSTEM AND PROCESSOR FOR REAL-TIME EXTRACTION OF OCEAN BOTTOM PROPERTIES; filed 18 October 1994; patented 22 October 1996.//Patent 5,568,496: LASER OPTICS PROTECTIVE DEVICE; filed 30 November 1994; patented 22 October 1996.//Patent 5,568,578: GRADIENT INDEX ROD COLLIMATION LENS DEVICES FOR ENHANCING OPTICAL FIBER LINE PERFORMANCE WHERE THE BEAM THEREOF CROSSES A GAP IN THE LINE; filed 14 December 1994; patented 22 October 1996.//Patent 5,568,781: INDUCED FLOW UNDERSEA VEHICLE MOTOR

COOLING JACKET; filed 17 February 1995; patented 29 October 1996.//Patent 5,568,782: BI-MODAL ELASTOMERIC EJECTOR; filed 31 July 1995; patented 29 October 1996.//Patent 5,569,111: PERMANENT MAGNET TORQUE/FORCE TRANSFER APPARATUS; filed 11 October 1994; patented 29 October 1996.//Patent 5,569,432: METHOD FOR MAKING A VIBRATION DAMPENER OF AN ELECTORHEOLOGICAL MATERIAL; filed 14 April 1995; patented 29 October 1996.//Patent 5,571,314: FORMULATION AND PREPARATION OF A GEL SYSTEM FOR THE PROMOTION OF RAPID SOLVATION IN AQUEOUS SYSTEMS; filed 24 August 1973; patented 5 November 1996.//Patent 5,571,759: CRB2-NBB2 CERAMICS MATERIALS; filed 31 October 1995; patented 5 November 1996.//Patent 5,572,320: FLUID SAMPLER UTILIZING OPTICAL NEAR-FIELD IMAGING; filed 17 November 1994; patented 5 November 1996.//Patent 5,572,487: HIGH PRESSURE, HIGH FREQUENCY RECIPROCAL TRANSDUCER; filed 24 January 1995; patented 5 November 1996.//Patent 5,573,344: HIGH DAMPING COMPOSITE JOINT FOR MECHANICAL VIBRATION AND ACOUSTIC ENERGY DISSIPATION; filed 17 October 1994; patented 12 November 1996.//Patent 5,573,986: ELECTROMAGNETIC WINDOW; filed 13 March 1996; patented 12 November 1996.//Patent 5,574,125: ENERGETIC NITRO PREPOLYMER; filed 23 May 1985; patented 12 November 1996.//Patent 5,574,126: ENERGETIC FLUORONITRO PREPOLYMER; filed 23 May 1985; patented 12 November 1996.//Patent 5,574,248: ENERGETIC COMPOSITIONS CONTAINING NO-VOLATILE SOLVENTS; filed 28 March 1996; patented 12 November 1996.//Patent 5,574,699: FIBER OPTIC LEVER TOWED ARRAY; filed 31 October 1983; patented 12 November 1996.//Patent 5,574,739: POLARIZATION-STABLE PULSED LASER; filed 12 May 1995; patented 12 November 1996.//Patent 5,574,820: RADIATION HARDENING OF PURE SILICA CORE OPTICAL FIBERS AND THEIR METHOD OF MAKING BY ULTRA-HIGH-DOSE GAMMA RAY PRE-IRRADIATION; filed 30 June 1995; patented 12 November 1996.//Patent 5,574,961: PHASE-SEPARATED MATERIAL; filed 16 January 1985; patented 12 November 1996.//Patent 5,575,442: GUIDED WING FOR AIRCRAFT FLYING AT HIGH ANGLES OF ATTACK; filed 19 January 1995; patented 19 November 1996.//Patent 5,577,942: STATION KEEPING BUOY SYSTEM; filed 28 July 1995; patented 26 November 1996.//Patent

5,578,351: LIQUID CRYSTAL COMPOSITION AND ALIGNMENT LAYER; filed 20 January 1995; patented 26 November 1996.//Patent 5,578,534: METHOD OF PRODUCING SL3N4 REINFORCED MONOCLINIC BAO-AL2O3-2S1O2 AND SRO-AL2O3-2S1O2 CERAMIC COMPOSITES; filed 29 March 1996; patented 26 November 1996.//Patent 5,578,751: OCEANOGRAPHIC SENSOR SUITE WET WELL SYSTEM; filed 8 December 1995; patented 26 November 1996.//Patent 5,580,125: CINEMA BOOSTER SEAT/REFRESHMENT CENTER; filed 15 August 1995; patented 3 December 1996.//Patent 5,581,154: RESISTIVE-WALL KLYSTRON AMPLIFIER; filed 10 April 1995; patented 3 December 1996.//Patent 5,581,258: PORTABLE ANTENNA CONTROLLER; filed 7 June 1995; patented 3 December 1996.//Patent 5,581,490: CONTACT MANAGEMENT MODEL ASSESSMENT SYSTEM FOR CONTACT TRACKING IN THE PRESENCE OF MODEL UNCERTAINTY AND NOISE; filed 9 December 1994; patented 3 December 1996.//Patent 5,581,516: LOW POWER TRANSMITTER PROVIDING SELECTABLE WAVEFORM GENERATION; filed 7 July 1995; patented 3 December 1996.//Patent 5,582,124: HYBRID FRAMING SYSTEM FOR VESSELS; filed 26 July 1995; patented 10 December 1996.//Patent 5,584,740: THIN-FILM EDGE FIELD EMITTER DEVICE AND METHOD OF MANUFACTURE THEREFOR; filed 11 October 1994; patented 17 December 1996.//Patent 5,585,640: GLASS MATRIX DOPED WITH ACTIVATED LUMINESCENT NANOCRYSTALLINE PARTICLES; filed 11 January 1995; patented 17 December 1996.//Patent 5,585,800: LOCATION-CORRECTOR FOR REMOVING SUN-INDUCED EFFECTS IN THE GLOBAL POSITIONING SYSTEM; filed 2 June 1995; patented 17 December 1996.//Patent 5,586,824: METHOD OF MEASURING THE THERMAL CONDUCTIVITY OF MICROSCOPIC GRAPHITE FIBERS; filed 14 June 1994; patented 24 December 1996.//Patent 5,587,210: GROWING AND RELEASING DIAMONDS; filed 28 June 1994; patented 24 December 1996.//Patent 5,587,829: METHOD AND APPARATUS FOR SIGNAL FILTERING; filed 29 August 1994; patented 24 December 1996.//Patent 5,588,188: SWAGED CABLE SWIVEL HOOK ASSEMBLY AND SWIVEL HOOK THEREFOR; filed 20 November 1995; patented 31 December 1996.//Patent 5,590,281: ASYNCHRONOUS BIDIRECTIONAL APPLICATION PROGRAM PROCESSES INTERFACE FOR A DISTRIBUTED

HETEROGENEOUS MULTIPROCESSOR SYSTEM; filed 28 October 1991; patented 31 December 1996.//Patent application 06/181,303: DUAL MODE WARHEAD; filed 25 August 1980.//Patent application 06/186,888: SHOCK SENSING DUAL MODE WARHEAD; filed 27 August 1980.//Patent application 08/492,270: COHERENT RF PULSE WIDTH MODIFICATION DEVICE USING ACOUSTO-OPTIC TECHNOLOGY; filed 3 June 1995.//Patent application 08/504,233: REMOVABLE AIR MANDREL; filed 19 July 1995.//Patent application 08/521,742: SMART ACTUATOR FOR ACTIVE SURFACE CONTROL; filed 31 August 1995.//Patent application 08/540,378: IN-SITU MONITORING AND FEEDBACK CONTROL OF METALORGANIC PRECURSOR DELIVERY; filed 6 October 1995.//Patent application 08/591,182: CONFIGURABLE PORT ASSEMBLY; filed 16 January 1996.//Patent application 08/594,559: ERBIUM-DOPED LOW PHONON HOSTS AS SOURCES OF FLUORESCENT EMISSION; filed 30 January 1996.//Patent application 08/624,734: DASHPOT FOR POWER CYLINDER; filed 26 March 1996.//Patent application 08/627,764: HIERARCHICAL TARGET INTERCEPT FUZZY CONTROLLER WITH FORBIDDEN ZONE; filed 1 April 1996.//Patent application 08/635,417: SITE AND WORKSPACES LAYOUT PROCESS EMPLOYING MDS AND A PDI FORMULA IN WHICH DENSITY IS BASED ON AREA OF CIRCUMSCRIBING-CONVEX-HULLS; filed 28 March 1996.//Patent application 08/635,418: SITE AND WORKPLACE LAYOUT PROCESS EMPLOYING MDS AND A PDI FORMULA IN WHICH DENSITY IS CALCULATED USING MEASURED SPAN OF CIRCUMSCRIBING-CONVEX HULLS; filed 28 March 1996.//Patent application 08/635,419: SITE AND WORKSPACE LAYOUT PROCESS EMPLOYING MDS AND A PDI FORMULA IN WHICH DENSITY IS CALCULATED USING A UNIT LATTICE SUPERPOSED OVER CIRCUMSCRIBING-CONVEX-HULLS; filed 28 March 1996.//Patent application 08/636,998: SELF-SEALING MIXING VALVE; filed 17 April 1996.//Patent application 08/640,578: REDUCED NOISE DISK VALVE ASSEMBLY; filed 28 April 1996.//Patent application 08/640,579: ACOUSTIC RECEIVER ARRAY ASSEMBLY; filed 28 April 1996.//Patent application 08/640,580: VARIABLE-SPEED ROTATING DRIVE; filed 28 April 1996.//Patent application 08/641,019: METHOD FOR DETERMINING THE APPROXIMATE

RESONANCE FREQUENCY OF A STRUCTURE SURROUNDED BY A COMPRESSIBLE FLUID; filed 14 April 1996.//Patent application 08/641,049: METHOD APPARATUS FOR NON-INVASIVE DETECTION AND ANALYSIS OF TURBULENT FLOW IN A PATIENT'S BLOOD VESSELS; filed 23 April 1996.//Patent application 08/641,134: CONTROL FIN ASSEMBLY FOR A WATER VEHICLE; filed 22 April 1996.//Patent application 08/641,325: COOLED FIXTURE FOR HIGH TEMPERATURE ACCELEROMETER MEASUREMENTS; filed 28 April 1996.//Patent application 08/646,416: NEURAL NETWORK BASED CONTACT STATE ESTIMATOR; filed 7 May 1996.//Patent application 08/649,834: FIN ASSEMBLY FOR A VEHICLE; filed 1 May 1996.//Patent application 08/649,860: UNDERWATER SENSING DEVICE FOR OCEAN FLOOR CONTACT; filed 10 May 1996.//Patent application 08/649,862: PASSIVE INTRUSION DETECTION SYSTEM; filed 10 May 1996.//Patent application 08/649,971: MARINE PROPULSION SYSTEM FOR UNDERWATER VEHICLES; filed 1 May 1996.//Patent application 08/649,972: DIGITAL DATA RETRIEVING, ORGANIZING AND DISPLAY SYSTEM; filed 1 May 1996.//Patent application 08/655,102: SUPPORT BASE FOR SUBMARINE ANTENNA MAST; filed 29 May 1996.//Patent application 08/655,103: PROJECTILE LAUNCHER; filed 29 May 1996.//Patent application 08/655,104: OMNIDIRECTIONAL ULTRASONIC MICROPROBE HYDROPHONE; filed 29 May 1996.//Patent application 08/656,116: ACOUSTIC RECEIVER ASSEMBLY; filed 14 May 1996.//Patent application 08/668,031: SURFACE LAYER COMPRISING MICRO-FABRICATED TILES FOR ELECTROMAGNETIC CONTROL OF FLUID TURBULENCE IN SEA WATER; filed 14 June 1996.//Patent application 08/668,605: ARTICULATED FIN; filed 3 June 1996.//Patent application 08/668,609: SIMULATED SUSPENDED MINE RETRIEVAL SYSTEM; filed 20 May 1996.//Patent application 08/672,771: METHOD FOR PRODUCING CORE/CLAD GLASS OPTICAL FIBER PREFORMS USING HOT ISOSTATIC PRESSING; filed 28 June 1996.//Patent application 08/677,205: METHOD FOR DETECTING ACOUSTIC SIGNALS FROM AN UNDERWATER SOURCE; filed 9 July 1996.//Patent application 08/682,876: ROLLER-TYPE ELECTRIC MOTOR; filed 3 July 1996.//Patent application 08/682,898: ADHESIVE SHEAR STRENGTH TEST APPARATUS; filed 1 July 1996.//Patent application 08/682,900: TOWED

ARRAY ACOUSTIC PROJECTOR SHADING DEVICE; filed 17 June 1996./Patent application 08/687,064: TORPEDO SIGNAL PROCESSOR; filed 8 July 1996./Patent application 08/687,880: INORGANIC ARYLACETYLENIC MONOMERS; filed 26 July 1996./Patent application 08/695,840: FLUIDIC DEVICE CONTROLLED BY REMOTELY LOCATED ACOUSTIC ENERGY SOURCE; filed 5 August 1996./Patent application 08/695,842: TRAWLING SONAR SYSTEM; filed 5 August 1996./Patent application 08/695,843: MECHANICAL DEVICES AND EQUIPMENT; filed 5 August 1996./Patent application 08/695,844: RETRACTABLE SENSOR ARRAY SYSTEM; filed 7 August 1996./Patent application 08/696,586: FLEXIBLE FERRITE LOADED LOOP ANTENNA ASSEMBLY; filed 24 July 1996./Patent application 08/696,587: FUEL DELIVERY SYSTEM; filed 24 July 1996.

**FOR FURTHER INFORMATION CONTACT:** Mr. R.J. Erickson, Staff Patent Attorney, Office of Naval Research (Code O0CC), Arlington, VA 22217-5660, telephone (703) 696-4001.

Dated: May 20, 1997.

**D.E. Koenig, Jr.,**

*LCDR, JAGC, USN, Federal Register Liaison Officer.*

[FR Doc. 97-13640 Filed 5-22-97; 8:45 am]

BILLING CODE 3810-FF-P

## DEPARTMENT OF ENERGY

### Intent To Establish the Beryllium Rule Advisory Committee

**AGENCY:** Department of Energy.

**ACTION:** Notice of intent to establish a Beryllium Rule Advisory Committee.

Pursuant to the Federal Advisory Committee Act (Pub. L. 92-463), and title 41, Code of Federal Regulations (CFR), subpart 101-6, Final Rule on Federal Advisory Committee Management, I hereby certify the Beryllium Rule Advisory Committee is necessary and in the public interest in connection with the performance of the duties imposed on the Department of Energy (DOE) by law. This notice of intent follows consultation with the Committee Management Secretariat of the General Services Administration, pursuant to 41 CFR subpart 101-6.10.

The purpose of the committee is to provide the Secretary of Energy with advice, information, and recommendations on the development of a notice of proposed rulemaking for beryllium. The committee will provide

an organized forum for a diverse set of interested stakeholders and technically adept individuals to conduct an in-depth assessment of beryllium-related issues.

The committee will include DOE employees and contractor employees with expertise in beryllium operations, representatives from health professions, physicians, other Federal agencies, private industries (both national and international), and academic institutions who have expertise in the health effects, exposure monitoring, appropriate controls and medical monitoring for beryllium. Committee membership will reflect a balance of disciplines and diverse interests, experiences and points of view. This committee has been determined to be essential to the conduct of the Department's business and in the public interest in connection with the performance of duties imposed upon DOE. The committee will operate in accordance with the provisions of the Federal Advisory Committee Act, the DOE Organization Act (Public Law 95-91), and rules and regulations issued in implementation of those acts. All meetings of this committee will be noticed ahead of time in the **Federal Register**.

Further information regarding this advisory committee may be obtained from Mr. C. Rick Jones, Director, Office of Worker Protection Programs and Hazards Management, EH-52, 270CC, 1901 Germantown Road, Germantown, MD, 20874-1290; e-mail: rick.jones@eh.doe.gov; telephone: 301-903-6061.

Issued in Washington, DC on May 20, 1997.

**James N. Solit,**

*Advisory Committee Management Officer.*

[FR Doc. 97-13623 Filed 5-22-97; 8:45 am]

BILLING CODE 6450-01-P

## DEPARTMENT OF ENERGY

[Docket Nos. EA-149 and EA-150]

### Applications to Export Electric Energy; PacifiCorp

**AGENCY:** Office of Fossil Energy, DOE.

**ACTION:** Notice of applications.

**SUMMARY:** PacifiCorp, a public utility, has submitted applications to export electric energy to Mexico and Canada pursuant to section 202(e) of the Federal Power Act.

**DATES:** Comments, protests or requests to intervene must be submitted on or before June 23, 1997.

**ADDRESS:** Comments, protests or requests to intervene should be addressed as follows: Office of Coal & Power Im/Ex (FE-27), Office of Fossil Energy, U.S. Department of Energy, 1000 Independence Avenue, SW, Washington, DC 20585-0350 (FAX 202-287-5736).

**FOR FURTHER INFORMATION CONTACT:** Ellen Russell (Program Office) 202-586-5883 or Michael Skinker (Program Attorney) 202-586-6667.

**SUPPLEMENTARY INFORMATION:** Exports of electricity from the United States to a foreign country are regulated and require authorization under section 202(e) of the Federal Power Act (FPA) (16 U.S.C. § 824a(e)).

On May 8, 1997, PacifiCorp filed two applications with the Office of Fossil Energy (FE) of the Department of Energy (DOE) for authorization to export electric energy to Mexico (Docket EA-149) and Canada (Docket EA-150) pursuant to section 202(e) of the FPA. Specifically, PacifiCorp has proposed to transmit to Mexico and Canada electric energy excess to its system or purchased from electric utilities and other suppliers within the U.S.

PacifiCorp would arrange for the exported energy to be transmitted to Mexico over the international transmission facilities owned by San Diego Gas and Electric, El Paso Electric Company, Central Power and Light Company, and Comision Federal de Electricidad. PacifiCorp would arrange for the exported energy to be transmitted to Canada over the international facilities owned by Basin Electric, Bonneville Power Administration, Citizens Utilities, Detroit Edison Company, Eastern Maine Electric Cooperative, Joint Owners of the Highgate Project, Maine Electric Power Company, Maine Public Service Company, Minnesota Power and Light Company, Minnkota Power Cooperative, New York Power Authority, Niagara Mohawk Power Corporation, Northern States Power and Vermont Electric Transmission Company. Each of the transmission facilities, as more fully described in these applications, has previously been authorized by a Presidential permit issued pursuant to Executive Order 10485, as amended.

### Procedural Matters

Any persons desiring to become a party to these proceedings or to be heard by filing comments or protests to these applications should file a petition to intervene, comment or protest at the address provided above in accordance with §§ 385.211 or 385.214 of the FERC's Rules of Practice and Procedures