

5320, and must include the Navy Case number.

**FOR FURTHER INFORMATION CONTACT:**

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**Authority:** 35 U.S.C. 207, 37 CFR part 404.

Dated: September 1, 1999.

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[FR Doc. 99-23833 Filed 9-13-99; 8:45 am]

BILLING CODE 3810-FF-P

**DEPARTMENT OF DEFENSE**

**Department of the Navy**

**Availability of Government-Owned Inventions for Licensing**

**AGENCY:** Department of the Navy, DOD.

**ACTION:** Notice.

**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.

Patent 5,840,572: BIOLUMINESCENT BIOASSAY SYSTEM; filed 29 July 1996; patented 24 November 1998.//Patent 5,840,592: METHOD OF IMPROVING THE SPECTRAL RESPONSE AND DARK CURRENT CHARACTERISTICS OF AN IMAGE GATHERING DETECTOR; filed 5 July 1994; patented 24 November 1998.//Patent 5,844,860: CONTINUOUS STRENGTH MEMBER; filed 23 May 1990; patented 1 December 1998.//Patent 5,846,889: INFRARED TRANSPARENT SELENIDE GLASSES; filed 14 March 1997; patented 8 December 1998.//Patent 5,855,179: MID SHIPS TOW POINT FOR SINGLE LINE AND MULTI LINE TOWED ARRAYS; filed 1 October 1997; patented 5 January 1999.//Patent 5,858,104: SYSTEM FOR FOCUSED GENERATION OF PRESSURE BY BUBBLE FORMATION AND COLLAPSE; filed 21 December 1995; patented 12 January 1999.//Patent 5,859,064: CHEMICAL WARFARE AGENT DECONTAMINATION SOLUTION; filed 11 December 1997; patented 12 January 1999.//Patent 5,859,535: SYSTEM FOR DETERMINING SIZE AND LOCATION OF DEFECTS IN MATERIAL BY USE OF MICROWAVE RADIATION; filed 12 February 1997; patented 12 January 1999.//Patent 5,859,812: SELF POWERED UNDERWATER ACOUSTIC ARRAY; filed 14 October 1997; patented

12 January 1999.//Patent 5,859,919: METHOD AND SYSTEM FOR MEASURING SURFACE ROUGHNESS USING FRACTAL DIMENSION VALUES; filed 12 August 1996; patented 12 January 1999.//Patent 5,862,262: METHOD OF ENCODING A DIGITAL IMAGE USING ADAPTIVE PARTITIONING IN AN INTEGRATED TRANSFORMATION SYSTEM; filed 30 March 1992; patented 19 January 1999.//Patent 5,864,166: BISTABLE PHOTOCONDUCTIVE SWITCHES PARTICULARLY SUITED FOR FREQUENCY-AGILE, RADIO-FREQUENCY SOURCES; filed 24 January 1997; patented 26 January 1999.//Patent 5,866,244: CERAMIC STRUCTURE WITH BACKFILLED CHANNELS; filed 20 December 1996; patented 2 February 1999.//Patent 5,867,329: MULTIPLE-PASS REFLECTION FILTER; filed 31 May 1996; patented 2 February 1999.//Patent 5,869,762: MONOLITHIC PIEZOELECTRIC ACCELEROMETER; filed 27 November 1996; patented 9 February 1999.//Patent 5,870,054: MOVING TARGET INDICATOR WITH NO BLIND SPEEDS; filed 10 December 1982; patented 9 February 1999.//Patent 5,872,318: METHOD AND APPARATUS FOR INDUCING FULLY-REVERSED THREE-DIMENSIONAL LOADING ON A NON-ROTATING BEAM; filed 14 March 1997; patented 16 February 1999.//Patent 5,872,324: TRIMODE FUZE; filed 7 July 1997; patented 16 February 1999.//Patent 5,872,368: METHOD OF CONTROLLING A SUPER CONDUCTOR; filed 30 November 1995; patented 16 February 1999.//Patent 5,873,262: DESALINATION THROUGH METHANE HYDRATE; filed 30 June 1997; patented 23 February 1999.//Patent 5,874,126: MAKING AGGREGATES AND ARTICLES MADE THEREFROM; filed 26 March 1997; patented 23 February 1999.//Patent 5,874,514: SILOXANE UNSATURATED HYDROCARBON BASED POLYMERS; filed 9 May 1995; patented 23 February 1999.//Patent 5,874,807: LARGE AREA PLASMA PROCESSING SYSTEM (LAPPS); filed 27 August 1997; patented 23 February 1999.//Patent 5,875,154: BARREL STAVE FLEXTENSIONAL PROJECTOR; filed 13 November 1997; patented 23 February 1999.//Patent 5,876,480: SYNTHESIS OF UNAGGLOMERATED METAL NANOPARTICLES AT MEMBRANE INTERFACES; filed 20 February 1996; patented 2 March 1999.//Patent 5,876,682: NANOSTRUCTURED CERAMIC NITRIDE POWDERS AND A METHOD OF MAKING THE SAME; filed 25 February 1997; patented 2

March 1999.//Patent 5,877,392: PHOTON CONTROLLED DECOMPOSITION OF NONHYDROLYZABLE AMBIENTS; filed 7 June 1995; patented 2 March 1999.//Patent 5,877,612: AMPLIFICATION OF SIGNALS FROM HIGH IMPEDANCE SOURCES; filed 24 March 1997; patented 2 March 1999.//Patent 5,877,967: SITE AND WORKSPACES 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; patented 2 March 1999.//Patent 5,877,998: RECURSIVE METHOD FOR TARGET MOTION ANALYSIS; filed 18 November 1996; patented 2 March 1999.//Patent 5,878,000: ISOLATED SENSING DEVICE HAVING AN ISOLATION HOUSING; filed 1 October 1997; patented 2 March 1999.//Patent 5,878,778: ELASTOMERIC CUT-OFF VALVE; filed 9 October 1997; patented 9 March 1999.//Patent 5,878,799: PENCIL DRAIN FIXTURE FOR AIRCRAFT DEFUELING; filed 15 September 1997; patented 9 March 1999.//Patent 5,879,426: PROCESS FOR MAKING OPTICAL FIBERS FROM CORE AND CLADDING GLASS RODS; filed 12 August 1996; patented 9 March 1999.//Patent 5,880,078: NON-SOLVENT, GENERAL USE EXTERIOR AIRCRAFT CLEANER; filed 4 September 1997; patented 9 March 1999.//Patent 5,880,552: DIAMOND OR DIAMOND LIKE CARBON COATED CHEMICAL SENSORS AND A METHOD OF MAKING SAME; filed 27 May 1997; patented 9 March 1999.//Patent 5,881,818: FOAM FREE TEST SYSTEM FOR USE WITH FIRE FIGHTING VEHICLES; filed 6 October 1997; patented 16 March 1999.//Patent 5,882,785: NONLINEAR OPTICAL FILMS FROM PAIR-WISE-DEPOSITED SEMI-IONOMERIC SYNDIOREGIC POLYMERS; filed 23 January 1997; patented 16 March 1999.//Patent 5,882,805: CHEMICAL VAPOR DEPOSITION OF II/VI SEMICONDUCTOR MATERIAL USING TRIISOPROPYLINDIUM AS A DOPANT; filed 18 May 1994; patented 16 March 1999.//Patent 5,883,548: DEMODULATION SYSTEM AND METHOD FOR RECOVERING A SIGNAL OF INTEREST FROM AN UNDERSAMPLED, MODULATED CARRIER; filed 10 November 1997; patented 16 March 1999.//Patent 5,884,650: SUPPRESSING CAVITATION IN A HYDRAULIC COMPONENT; filed 26 February 1997;

patented 23 March 1999.//Patent 5,884,872: OSCILLATING FLAP LIFT ENHANCEMENT DEVICE; filed 30 August 1995; patented 23 March 1999.//Patent 5,884,877: ROLLER EXCITATION DEVICE; filed 29 September 1997; patented 23 March 1999.//Patent 5,885,007: ADJUSTABLE BEARING SYSTEM WITH SELECTIVELY OPTIMIZED INSTALLATIONAL CLEARANCES; filed 30 June 1997; patented 23 March 1999.//Patent 5,885,086: INTERACTIVE VIDEO DELIVERY SYSTEM; filed 12 September 1990; patented 23 March 1999.//Patent 5,885,321: PREPARATION OF FINE ALUMINUM POWDERS BY SOLUTION METHODS; filed 22 July 1996; patented 23 March 1999.//Patent 5,885,367: RETRACTABLE THIN FILM SOLAR CONCENTRATOR FOR SPACECRAFT; filed 7 March 1997; patented 23 March 1999.//Patent 5,886,283: DESENSITIZED FIRING CIRCUIT; filed 25 May 1971; patented 23 March 1999.//Patent 5,886,284: MISSILE SAFETY SYSTEM FOR ASSURING MINIMUM SAFE DISTANCE; filed 28 December 1964; patented 23 March 1999.//Patent 5,886,285: VARIABLE RANGE TIMER IMPACT SAFETY SYSTEM; filed 28 December 1964; patented 23 March 1999.//Patent 5,886,286: MONITORING SAFETY SYSTEM; filed 26 July 1965; patented 23 March 1999.//Patent 5,886,287: GUIDANCE INFORMATION ANALYZER; filed 26 May 1965; patented 23 March 1999.//Patent 5,886,339: MISSILE ATTITUDE SAFING SYSTEM; filed 28 December 1964; patented 23 March 1999.//Patent 5,886,525: APPARATUS AND METHOD FOR PERFORMING NMR SPECTROSCOPY ON SOLID SAMPLE BY ROTATION; filed 17 March 1997; patented 23 March 1999.//Patent 5,886,661: SUBMERGED OBJECT DETECTION AND CLASSIFICATION SYSTEM; filed 16 April 1993; patented 23 March 1999.//Patent 5,886,700: THREE-DIMENSIONAL VOLUME SELECTION TOOL; filed 24 July 1997; patented 23 March 1999.//Patent 5,886,951: METHOD FOR ENHANCING SIGNAL-TO-NOISE RATIO AND RESOLUTION OF AMPLITUDE STABLE SIGNALS; filed 27 August 1997; patented 23 March 1999.//Patent 5,887,198: PROGRAMMABLE STAND-ALONE DRIVE APPARATUS FOR INTERFACING A HOST COMPUTER WITH PCMCIA MEMORY CARDS HAVING MULTIPLE FORMATS; filed 7 April 1997; patented 23 March 1999.//Patent 5,887,983: BEARING ASSEMBLY FOR RADAR MAST; filed 19 December 1997; patented 30 March 1999.//Patent

5,889,289: HIGH TEMPERATURE SUPERCONDUCTOR/INSULATOR COMPOSITE THIN FILMS WITH JOSEPHSON COUPLED GRAINS; filed 28 August 1997; patented 30 March 1999.//Patent 5,889,871: SURFACE-LAMINATED PIEZOELECTRIC-FILM SOUND TRANSDUCER; filed 18 October 1993; patented 30 March 1999.//Patent 5,890,101: NEURAL NETWORK BASED METHOD FOR ESTIMATING HELICOPTER LOW AIRSPEED; filed 22 October 1997; patented 30 March 1999.//Patent application 09/034,771: AMPLIFIED SHEAR TRANSDUCER; filed 2 March 1998.//Patent application 09/114,250: BELLMOUTH EXIT ANGLE ADAPTER; filed 6 July 1998.//Patent application 09/137,869; filed 12 August 1998.//Patent application 09/152,465: AUTOMATIC MESSAGE FILING SYSTEM; filed 8 September 1998.//Patent application 09/152,466: APPARATUS FOR ACOUSTICALLY ISOLATING A HIGH PRESSURE STEAM PIPE IN A FLOODED STRUCTURE; filed 8 September 1998.//Patent application 09/152,467: ISOLATION SYSTEM FOR A HIGH PRESSURE STEAM PIPE IN A FLOODED STRUCTURE; filed 8 September 1998.//Patent application 09/152,468: TEST FIXTURE FOR SIMULTANEOUS EVALUATION OF STEAM PIPE HYDROSEALING METHODS; filed 8 September 1998.//Patent application 09/152,470: VELOCITY REDUCTION METHOD TO REDUCE THE FLOW-INDUCED NOISE OF TOWED SENSOR SYSTEMS; filed 9 September 1998.//Patent application 09/152,472: COUNTERMEASURE FLEXIBLE LINE ARRAY; filed 9 September 1998.//Patent application 09/152,473: MULTIPLE-FREQUENCY SONAR SYSTEM; filed 9 September 1998.//Patent application 09/152,474: DEPLOYABLE HULL ARRAY SYSTEM; filed 11 September 1998.//Patent application 09/152,476: RECONFIGURABLE MULTIPLE COMPONENT LOAD MEASURING DEVICE; filed 11 September 1998.//Patent application 09/154,475: ALIGNMENT LIFTING FIXTURE; filed 11 September 1998.//Patent application 09/173,610: WIDEBAND ANTENNA FOR TOWED LOW-PROFILE SUBMARINE BUOY; filed 8 October 1998.//Patent application 09/173,613: TORPEDO NOSE LIFT DEVICE; filed 13 October 1998.//Patent application 09/203,934: GEODETIC POSITION ESTIMATION FOR UNDERWATER ACOUSTIC SENSORS; filed 2 December 1998.//Patent application 09/206,939: AIR-SAFED UNDERWATER FUZE SYSTEM FOR LAUNCHED

MUNITIONS; filed 8 December 1998.//Patent application 09/206,940: MECHANICAL WATER SENSOR; filed 8 December 1998.//Patent application 09/208,155: MOUNTING ASSEMBLY FOR RIGIDLY INTEGRATING A COMPONENT THEREWITH; filed 1 December 1998.//Patent application 09/211,002: BALL LOCK MECHANISM; filed 15 December 1998.//Patent application 09/252,592: BULK CUBIC GALLIUM NITRIDE; FILED 9 February 1999.//Patent application 09/272,733: METHOD FOR MEASURING INTRAMOLECULAR FORCES BY ATOMIC FORCE MICROSCOPY; filed 27 January 1999.//

**ADDRESSES:** Copies of patents cited are available from the Commissioner of Patents and Trademarks, Washington, DC 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, VA 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.

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**Authority:** 35 U.S.C. 207; 37 CFR part 404.

Dated: September 1, 1999.

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[FR Doc. 99-23834 Filed 9-13-99; 8:45 am]

BILLING CODE 3810-FF-P

## DEPARTMENT OF EDUCATION

### Submission for OMB Review; Comment Request

**AGENCY:** Department of Education.

**SUMMARY:** The Leader, Information Management Group, Office of the Chief Information Officer invites comments on the submission for OMB review as required by the Paperwork Reduction Act of 1995.

**DATES:** Interested persons are invited to submit comments on or before October 14, 1999.

**ADDRESSES:** Written comments should be addressed to the Office of Information and Regulatory Affairs,