

DEPARTMENT OF DEFENSE**Department of the Navy****Notice of 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.

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 5,633,960: Spatially Averaging Fiber Optic Accelerometer Sensors; filed 25 September 1996; patented 27 May 1997.//Patent 5,705,412: Method of Making Buried Gate Insulator Field Effect Transistor; filed 7 October 1996; patented 6 January 1998.//Patent 5,734,623: Fiber Optic Sound Velocity Profiler; filed 7 April 1997; patented 31 March 1998.//Patent 5,734,689: Thermal Neutron Detector; filed 29 January 1996; patented 31 March 1998.//Patent 5,735,228: Barge Linking System Using Flexible Connectors; filed 13 March 1997; patented 7 April 1998.//Patent 5,735,639: Modular Mobile Safety Structure for Containment and Handling of Hazardous Materials; filed 13 December 1996; patented 7 April 1998.//Patent 5,736,950: Sigma-Delta Modulator with Tunable Signal Passband; filed 31 January 1995; patented 7 April 1998.//Patent 5,737,067: Length and Elongation Sensor; filed 18 April 1996; patented 7 April 1998.//Patent 5,737,249: Active Sonar Range-Beam Partitioner; filed 27 January 1997; patented 7 April 1998.//Patent 5,737,279: Retractable Sensor Array System; filed 7 August 1996; patented 7 April 1998.//Patent 5,737,347: Laser with Multiple Gain Elements; filed 26 February 1996; patented 7 April 1998.//Patent 5,737,962: Steam Delivery System for

Static Testing of Gas Driven Torpedoes; filed 31 July 1996; patented 14 April 1998.//Patent 5,739,738: Inflatable HI Q Toroidal Inductor; filed 18 July 1994; patented 14 April 1998.//Patent 5,740,018: Environmentally Controlled Circuit Pack and Cabinet; filed 29 February 1996; patented 14 April 1998.//Patent 5,741,167: Remotely Controllable Signal Generating Platform; filed 30 October 1995; patented 21 April 1998.//Patent 5,744,221: Flexible High-Damping Composite Structures and a Fabrication Thereof; filed 3 May 1994; patented 28 April 1998.//Patent 5,746,018: Muzzle Brake for an Underwater Gun; filed 19 May 1997; patented 5 May 1998.//Patent 5,746,905: Coating Evaluation System; filed 14 February 1996; patented 5 May 1998.//Patent 5,747,115: UV-Curable and Non-Volatile Pigmented Coatings; filed 28 February 1995; patented 5 May 1998.//Patent 5,748,102: Apparatus for Interconnecting an Underwater Vehicle and a Free Floating Communications Pod; filed 19 September 1995; patented 5 May 1998.//Patent 5,748,667: Spread Spectrum Modulation Using Time Varying Linear Filtering; filed 25 March 1996; patented 5 May 1998.//Patent 5,749,312: System for Deploying Weapons Carried in an Annular Configuration in a UUV; filed 11 October 1995; patented 12 May 1998.//Patent 5,749,959: Dark Coating with Low Solar Infrared Absorbing Properties; filed 10 February 1969; patented 12 May 1998.//Patent 5,750,057: Insensitive Binary Explosive Production Process; filed 5 June 1997; patented 12 May 1998.//Patent 5,750,195: Deposition of Diamond on Oxidizable Material; filed May 1997; patented 12 May 1998.//Patent 5,750,919: Self-Adjusting Obturator for Projectile Launching; filed 16 February 1993; patented 12 May 1998.//Patent 5,750,921: Waste-Free Method of Making Molding Powder; filed 7 July 1997; patented 12 May 1998.//Patent 5,751,006: Water Heated Panels for Simulating the Infrared Signature of a Target; filed 5 May 1997; patented 12 May 1998.//Patent 5,751,260: Sensory Integrated Data Interface; filed 3 April 1995; patented 12 May 1998.//Patent 5,751,294: Approximation Method for Workplace Layout Using Convex Polygon Envelope; filed 27 August 1996; patented 12 May 1998.//Patent 5,751,380: Optical Protection Apparatus for Use with Night Vision Devices; filed 2 October 1995; patented 12 May 1998.//Patent 5,751,609: Neural Network Based Method for Estimating Helicopter Low Airspeed; filed 24 October 1996; patented 12 May 1998.//Patent

5,751,658: Signal Processor for Narrow Band Sonar Signals; filed 1 September 1970; patented 12 May 1998.//Patent 5,751,659: Ceramic Mass Loaded Longitudinal Vibrator; filed 29 September 1969; patented 12 May 1998.//Patent 5,752,026: Early Commit Locking Computer Database Protocol; filed 28 April 1994; patented 12 May 1998.//Patent 5,752,460: Submergible Towed Body System; filed 2 February 1996; patented 19 May 1998.//Patent 5,754,318: Apparatus for Parallel Recording of Holograms in a Dynamic Volume Medium; filed 14 July 1997; patented 19 May 1998.//Patent 5,754,572: Mirrorless, Distributed-Feedback, Ultraviolet, Tunable, Narrow-Linewidth, Solid State Laser; filed 15 November 1996; patented 19 May 1998.//Patent 5,755,425: Fitting for Flexible Fuel Bladder; filed 20 June 1996; patented 26 May 1998.//Patent 5,755,947: Adhesion Enhancement for Underplating Problem; filed 31 January 1996; patented 26 May 1998.//Patent 5,756,006: Inert Simulants for Energetic Materials; filed 7 December 1994; patented 26 May 1998.//Patent 5,756,629: Method for Synthesis of Linear Inorganic-Organic Hybrid Polymers; filed 27 November 1996; patented 26 May 1998.//Patent 5,756,631: Siloxanes with Strong Hydrogen Bond Donating Functionalities; filed 27 May 1994; patented 26 May 1998.//Patent 5,756,992: Blackbody Simulating Apparatus for Calibrating an Infrared Imaging Device; filed 25 July 1996; patented 26 May 1998.//Patent 5,757,309: Spatial Frequency Feature Extraction for a Classification System Using Wavelets; filed 18 December 1996; patented 26 May 1998.//Patent 5,757,487: Methods and Apparatus for Distributed Optical Fiber Sensing of Strain or Multiple Parameters; filed 30 January 1997; patented 26 May 1998.//Patent 5,757,675: Workplace Layout Method Using Convex Polygon Envelope; filed 27 August 1996; patented 26 May 1998.//Patent 5,757,721: Inverse Method to Measure the Breathing Wave Speed in a Liquid-Filled Cylindrical Shell; filed 21 March 1997; patented 26 May 1998.//Patent 5,757,724: Zero Velocity Towed Array System; filed 12 August 1997; patented 26 May 1998.//Patent 5,757,725: Dual Zero Velocity Towed Array System; filed 12 August 1997; patented 26 May 1998.//Patent 5,757,974: System and Method for Data Compression; filed 15 April 1996; patented 26 May 1998.//Patent 5,758,122: Immersive Visual Programming System; filed 16 March 1995; patented 26 May 1998.//Patent

- 5,758,432: Initiator Positioning Tool; filed 13 August 1996; patented 2 June 1998.//Patent 5,758,592: Undersea Vehicle Propulsion and Attitude Control System; filed 12 August 1997; patented 2 June 1998.//Patent 5,758,691: Self-Sealing Mixing Valve; filed 17 April 1996; patented 2 June 1998.//Patent 5,759,230: Nanostructured Metallic Powders and Films via an Alcoholic Solvent Process; filed 30 November 1995; patented 2 June 1998.//Patent 5,759,620: Formation of Composite Materials by the Inward Diffusion and Precipitation of the Matrix Phase; filed 1 July 1981; patented 2 June 1998.//Patent 5,760,089: Chemical Warfare Agent Decontaminant Solution Using Quaternary Ammonium Complexes; filed 13 March 1996; patented 2 June 1998.//Patent 5,760,388: Biomedical Imaging by Optical Phase Conjugation; filed 24 May 1995; patented 2 June 1998.//Patent 5,760,590: Cable Integrity Tester; filed 20 February 1996; patented 2 June 1998.//Patent 5,760,743: Miss Distance Indicator Data Processing and Recording Apparatus; filed 25 July 1996; patented 2 June 1998.//Patent 5,761,085: Method for Monitoring Environmental Parameters at Network Sites; filed 12 November 1996; patented 2 June 1998.//Patent 5,761,154: Acoustic Exploder; filed 26 August 1969; patented 2 June 1998.//Patent 5,761,909: Breathing Gas Temperature Modification Device; filed 16 December 1996; patented 9 June 1998.//Patent 5,764,662: Solid State Ultraviolet Laser Tunable from 223 NM To 243 NM; filed 27 January 1997; patented 9 June 1998.//Patent 5,764,827: Limited Rotation Connection Device; filed 24 February 1997; patented 9 June 1998.//Patent 5,765,101: Portable VHF Receiver/Tape Recorder Calibrator; filed 23 January 1996; patented 9 June 1998.//Patent 5,765,776: Omnidirectional and Controllable Wing Using Fluid Ejection; filed 22 October 1996; patented 16 June 1998.//Patent 5,766,343: Lower Bandgap, Lower Resistivity, Silicon Carbide Heteroepitaxial Material, and Method of Making Same; filed 17 January 1995; patented 16 June 1998.//Patent 5,766,403: Apparatus for Chemical Removal of Protective Coating and Etching of Cables with Fiber-Like Substrate; filed 26 June 1995; patented 16 June 1998.//Patent 5,769,084: Method and Apparatus for Diagnosing Sleep Breathing Disorders; filed 10 July 1996; patented 23 June 1998.//Patent 5,769,153: Method and Apparatus for Casting Thin-Walled Honeycomb Structures; filed 7 November 1996; patented 23 June 1998.//Patent 5,769,677: Marker Buoy; filed 3 February 1997; patented 23 June 1998.//Patent 5,771,741: Method for Testing Gas Driven Torpedoes Using a Steam Delivery System; filed 9 July 1997; patented 30 June 1998.//Patent 5,771,847: Fuel Oxidizer Emulsion Injection System; filed 24 June 1996; patented 30 June 1998.//Patent 5,771,967: Wick-Interrupt Temperature Controlling heat pipe; filed 12 September 1996; patented 30 June 1998.//patent 5,772,907: lactic acid treatment of inp materials; filed 8 May 1996; patented 30 June 1998.//Patent 5,773,308: photoactivatable o-nitrobenzyl polyethylene glycol-silane for the production of patterned biomolecular arrays; filed 10 February 1997; patented 30 June 1998.//Patent 5,773,920: graded electron affinity semiconductor field emitter; filed 3 July 1995; patented 30 June 1998.//Patent 5,773,933: Broadband Traveling Wave Amplifier with an input stripline cathode and an output stripline anode; filed 29 March 1996; patented 30 June 1998.//Patent 5,773,934: Resistive wall Klystron Amplifier having grounded drift tube; filed 3 April 1966; patented 30 June 1998.//Patent 5,774,421: underwater measurement device; filed 4 August 1997; Patented 30 June 1998.//Patent 5,774,422: method of amplitude shading in the time domain to control side lobes in the frequency domain; filed 15 August 1997; patented 30 June 1998.//Patent 5,779,440: flow energizing system for turbo machinery; filed 6 January 1997; patented 14 July 1998.//Patent application 08/656,494: integrated circuits with immunity to single event effects; filed 31 May 1996.//Patent application 08/710,498: lightweight barrier or armor material and method of protecting a structure; filed 18 September 1996.//Patent application 08/854,033: multi-ported diverter valve assembly; filed 9 May 1997.//Patent application 08/863,096: guide tube bend fluid bearing; filed 23 May 1997.//Patent application 08/911,270: homo polar transformer for conversion of electrical energy; filed 14 August 1997.//Patent application 08/933,611: Tapered Cylinder Electroacoustic Transducer with reversed tapered driver; filed 16 September 1997.//Patent application 08/940,177: two-dimensional onto-electronic imager for millimeter and microwave electromagnetic radiation; filed 30 September 1997.//Patent application 08/976,132: roller excitation device; filed 29 September 1997.//Patent application 08/979,922: sonar array post processor; filed 28 November 1997.//Patent application 08/990,875: underwater mine placement system; filed 15 December 1997.//Patent application 09/016,334: catalyzed preparation of amorphous chalcogenides; filed 30 January 1998.//Patent application 09/016,870: specular reflection optical bandgap thermometry; filed 17 July 1998.//Patent application 09/022,341: application of reversible crosslinking and co-treatment in stabilization and viral inactivation of erythrocytes; filed 11 February 1998.//Patent application 09/035,909: compression of hyperdata with orasis multisegment pattern sets (chomps); filed 6 March 1998.//Patent application 09/038,483: multi-tuned acoustic projector; filed 4 March 1998.//Patent application 09/045,962: nose cone and method for acoustically shielding an underwater vehicle sonar array; filed 18 March 1998.//Patent application 09/045,963: test apparatus for rotary drive; filed 18 March 1998.//Patent application 09/049,658: fluid propulsion device for use in a projectile launching system; filed 23 March 1998.//Patent application 09/050,960: efficient spatial image separator; filed 31 March 1998.//Patent application 09/053,075: method and apparatus for in situ measurement of corrosion in liquid filled tanks; filed 1 April 1998.//Patent application 09/054,313: beam pattern shaping for transmitter array; filed 31 March 1998.//Patent application 09/054,315: actuated recoil absorbing mounting system for use with an underwater gun; filed 31 March 1998.//Patent application 09/054,316: isolation mount for an acoustic device; filed 31 March 1998.//Patent application 09/054,317: isolated compensated fluid delivery system; filed 31 March 1998.//Patent application 09/058,352: chirped fiber grating beamformer for phased array antennas; filed 10 April 1998.//Patent application 09/061,256: chemical sensor pattern recognition system using a self-training neural network classifier with automated outlier detection; filed 17 April 1998.//Patent application 09/062,565: piston and cylinder actuated polymer mixing valve; filed 20 April 1998.//Patent application 09/062,567: flow control system having actuated elastomeric membrane; filed 20 April 1998.//Patent application 09/062,735: thin-film edge field emitter device; filed 20 April 1998.//Patent application 09/063,269: wavelength multiplexed, electro-optically controllable fiber optic multi-tap delay line; filed 21 April 1998.//Patent application 09/064,360: switch assembly for withstanding shock and vibration; filed 13 April 1998.//Patent application 09/064,717: recoil less and gas-free projectile propulsion; filed 23 April 1998.//Patent application 09/069,855: microwave channelized bandpass filter having two channels;

filed 30 April 1998.//Patent application 09/069,856: general fluctuation sensitive filter; filed 30 April 1998.//Patent application 09/069,932: porous materials by powder metallurgy; filed 30 April 1998.//Patent application 09/070,770: portable launcher; filed 30 April 1998.//Patent application 09/071,737: wavelet transform of super-resolutions based on radar and infrared sensor fusion; filed 1 May 1998.//Patent application 09/090,328: propeller assembly for an underwater device; filed 22 May 1998.//Patent application 09/090,329: neural network hurricane tracker; filed 27 May 1998.//Patent application 09/090,336: captive soft foam shock mount system; filed 27 May 1998.//Patent application 09/115,600: precursor warhead attachment for an anti-armor rocket; filed 15 July 1998.//
FOR FURTHER INFORMATION CONTACT: Mr. John G. Wynn, Staff Patent Attorney, Office of Naval Research (Code OCCC), Arlington, VA 22217-5660, telephone (703) 696-4004.

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

Dated: January 26, 1999.

Ralph W. Corey,

Commander, Judge Advocate General's Corps, U.S. Navy, Federal Register Liaison Officer.

[FR Doc. 99-2648 Filed 2-3-99; 8:45 am]

BILLING CODE 3810-FF-P

DEPARTMENT OF DEFENSE

Department of the Navy

Privacy Act of 1974; Systems of Records

AGENCY: Department of the Navy, DoD.

ACTION: Delete Record Systems Notice.

SUMMARY: The Department of the Navy proposes to delete four records notice in its inventory of record systems subject to the Privacy Act of 1974 (5 U.S.C. 552a), as amended.

DATES: The deletions will be effective on March 8, 1999, unless comments are received that would result in a contrary determination.

ADDRESSES: Send comments to the Department of the Navy, PA/FOIA Policy Branch, Chief of Naval Operations (N09B30), 2000 Navy Pentagon, Washington, DC 20350-2000.

FOR FURTHER INFORMATION CONTACT: Mrs. Doris Lama at (202) 685-6545 or DSN 325-6545.

SUPPLEMENTARY INFORMATION: The Department of the Navy's record system notices for records systems subject to the Privacy Act of 1974 (5 U.S.C. 552a), as amended, have been published in the **Federal Register** and are available from the address above.

The Department of the Navy proposes to delete four systems of records notice in its inventory of record systems subject to the Privacy Act of 1974 (5 U.S.C. 552a), as amended. The deletions are not within the purview of subsection (r) of the Privacy Act of 1974 (5 U.S.C. 552a), as amended, which requires the submission of new or altered system report.

Dated: January 29, 1999.

L.M. Bynum,

Alternate OSD Federal Register Liaison Officer, Department of Defense.

N04410-3

SYSTEM NAME:

Duty Free Vehicle Log (February 22, 1993, 58 FR 10743).

Reason: The need to maintain the system of records no longer exists. Activity has been disestablished and all files destroyed.

N10140-4

SYSTEM NAME:

USAREUR/USAFE Ration Card (February 22, 1993, 58 FR 10814).

Reason: The need to maintain the system of records no longer exists. Activity has been disestablished and all files destroyed.

N10140-6

SYSTEM NAME:

Gasoline Ration System (February 22, 1993, 58 FR 10814).

Reason: The need to maintain the system of records no longer exists. Activity has been disestablished and all files destroyed.

N10140-7

SYSTEM NAME:

Application for U.S. Navy Ration Permit (February 22, 1993, 58 FR 10815).

Reason: The need to maintain the system of records no longer exists. Activity has been disestablished and all files destroyed.

[FR Doc. 99-2578 Filed 2-3-99; 8:45 am]

BILLING CODE 5000-04-M

DEPARTMENT OF DEFENSE

Department of the Navy

Privacy Act of 1974; System of Records Notice

AGENCY: Department of the Navy, DoD.

ACTION: Notice to amend a record system.

SUMMARY: The Department of the Navy proposes to amend a system of records

notice in its inventory of record systems subject to the Privacy Act of 1974 (5 U.S.C. 552a), as amended.

DATES: The amendment will be effective on March 8, 1999, unless comments are received that would result in a contrary determination.

ADDRESSES: Send comments to the Department of the Navy, PA/FOIA Policy Branch, Chief of Naval Operations (N09B30), 2000 Navy Pentagon, Washington, DC 20350-2000.

FOR FURTHER INFORMATION CONTACT: Mrs. Doris Lama at (202) 685-6545 or DSN 325-6545.

SUPPLEMENTARY INFORMATION: The Department of the Navy's record system notices for records systems subject to the Privacy Act of 1974 (5 U.S.C. 552a), as amended, have been published in the **Federal Register** and are available from the address above.

The Department of the Navy proposes to amend a system of records notice in its inventory of record systems subject to the Privacy Act of 1974 (5 U.S.C. 552a), as amended. The changes to the system of records are not within the purview of subsection (r) of the Privacy Act of 1974 (5 U.S.C. 552a), as amended, which requires the submission of new or altered systems report. The record system being amended is set forth below, as amended, published in its entirety.

Dated: January 29, 1999.

L. M. Bynum,

Alternate OSD Federal Register Liaison Officer, Department of Defense.

N05800-1

SYSTEM NAME:

Legal Office Litigation/ Correspondence Files (*September 20, 1993, 58 FR 48852*).

CHANGES:

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SYSTEM MANAGER(S) AND ADDRESS:

Delete entry and replace with 'Associate General Counsel (Litigation), Office of the General Counsel of the Navy, 901 M Street SE, Washington Navy Yard, Washington, DC 20374-5012.'

NOTIFICATION PROCEDURE:

Delete entry and replace with 'Individuals seeking to determine whether information about themselves is contained in this system should address written inquiries to the naval activity involved in the litigation or to the Office of the General Counsel of the Navy, 901 M Street SE, Washington