

4. Availability of the Draft EIS

The Draft EIS is scheduled for release in November 1999.

Gregory D. Showalter,

Army Federal Register Liaison Officer.

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BILLING CODE 3710-AR-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.

ADDRESSES: 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 5,684,690: INTEGRATED ELECTRICAL POWER SUPPLY SYSTEM FOR PROPULSION AND SERVICE CONTROL; filed 16 August 1996; patented 4 November 1997.// Patent 5,685,456: REGULATED DISPENSING SYSTEM; filed 24 May 1995; patented 11 November 1997.// Patent 5,689,084: BONDING METHOD AND THE RESULTING ARTICLE; filed 25 October 1974; patented 18 November 1997.// Patent 5,691,258: TWO PHASE HFB2-SIB4 MATERIAL; filed 24 June 1996; patented 25 November 1997.// Patent 5,693,154: TERBIUM-DYSPROSIUM-ZINC AND TERBIUM-GADOLINIUM-ZINC MAGNETOSTRICTIVE MATERIALS AND DEVICES; filed 3 April 1996; patented 2 December 1997.// Patent 5,693,166: METHOD FOR FABRICATING A HIGH-DAMPING RIB-STIFFENED COMPOSITE HOLLOW CYLINDER CORE CONFIGURATION; filed 12 April 1995; patented 2

December 1997.// Patent 5,694,342: METHOD FOR DETECTING SIGNALS IN NON-GAUSSIAN BACKGROUND CLUTTER; filed 24 October 1996; patented 2 December 1997.// Patent 5,695,725: METHOD OF PREPARING MONOCLINIC BAO.A1203.2SIO2; filed 18 July 1989; patented 9 December 1997.// Patent 5,696,691: SELF-ADJUSTING STATISTICAL NOISE ANALYZER WITH INTERFERENCE SUPPRESSION; filed 29 June 1995; patented 9 December 1997.// Patent 5,696,736: HYDROPHONE FOR DETERMINING DIRECTION OF UNDERWATER SOUND; filed 27 November 1996; patented 9 December 1997.// Patent 5,703,594: METHOD FOR REMOTELY DETECTING TIDES AND THE HEIGHT OF OTHER SURFACES; filed 24 June 1996; patented 30 December 1997.// Patent 5,704,976: HIGH TEMPERATURE, HIGH RATE, EPITAXIAL SYNTHESIS OF DIAMOND IN A LAMINAR PLASMA; filed 8 May 1991; patented 6 January 1998.// Patent 5,705,087: FUEL SYSTEM ICING INHIBITOR AND DEICING COMPOSITION; filed 31 May 1996; patented 6 January 1998.// Patent 5,705,191: SUSTAINED DELIVERY OF ACTIVE COMPOUNDS FROM TUBULES, WITH RATIONAL CONTROL; filed 18 August 1995; patented 6 January 1998.// Patent 5,705,769: VIBRATIONALLY DAMPED STRUCTURE; filed 14 May 1996; patented 6 January 1998.// Patent 5,705,863: HIGH SPEED MAGNETOSTRICTIVE LINEAR MOTOR; filed 2 May 1995; patented 6 January 1998.// Patent 5,705,984: PASSIVE INTRUSION DETECTION SYSTEM; filed 10 May 1996; patented 6 January 1998.// Patent 5,706,079: ULTRA-HIGH SENSITIVITY TRANSDUCER WITH CHIRPED BRAGG GRATING REFLECTOR; filed 29 September 1995; patented 6 January 1998.// Patent 5,706,192: ANTIPHASE SWITCHING IN ARRAYS OF GLOBALLY COUPLED OSCILLATORS; filed 16 November 1995; patented 6 January 1998.// Patent 5,706,253: ACOUSTIC RECEIVER ARRAY ASSEMBLY; filed 28 April 1996; patented 6 January 1998.// Patent 5,707,702: EPOXY PIPELINING COMPOSITION AND METHOD OF MANUFACTURE; filed 26 June 1996; patented 13 January 1998.// Patent 5,708,232: HIGHLY MANEUVERABLE UNDERWATER VEHICLE; filed 10 October 1996; patented 13 January 1998.// Patent 5,708,626: TRAJECTORY MEASUREMENT SYSTEM FOR UNDERWATER VEHICLES; filed 30 December 1996; patented 13 January

1998.// Patent 5,708,738: APPARATUS AND PROCESS FOR MAKING FIBER OPTIC BRAGG GRATINGS; filed 5 March 1996; patented 13 January 1998.// Patent 5,708,739: METHOD AND APPARATUS FOR PHOTOBLEACHING PATTERNS IN IRRADIATED OPTICAL WAVEGUIDES; filed 9 September 1996; patented 13 January 1998.// Patent 5,709,046: SINGLE TRIGGER DUAL FIRING MECHANISM; filed 14 August 1995; patented 20 January 1998.// Patent 5,710,431: OUTDOOR SCENE SIMULATING APPARATUS FOR TESTING AN INFRARED IMAGING DEVICE; filed 5 September 1996; patented 20 January 1998.// Patent 5,712,424: METHOD AND APPARATUS FOR MEASURING DIESEL ENGINE CYLINDER PRESSURE; filed 25 March 1996; patented 27 January 1998.// Patent 5,712,442: METHOD FOR LAUNCHING PROJECTILES WITH HYDROGEN GAS; filed 27 May 1988; patented 27 January 1998.// Patent 5,712,447: VIBRATIONALLY AND ACOUSTICALLY INSULATED STRUCTURE; filed 14 May 1996; patented 27 January 1998.// Patent 5,712,511: PREPARATION OF FINE PARTICULATE CL-20; filed 3 March 1997; patented 27 January 1998.// Patent 5,712,959: NEURAL NETWORK ARCHITECTURE FOR NON-GAUSSIAN COMPONENTS OF A MIXTURE DENSITY FUNCTION; filed 7 July 1995; patented 27 January 1998.// Patent 5,713,239: PROJECTILE TESTING SYSTEM AND METHOD; filed 28 August 1996; patented 3 February 1998.// Patent 5,714,279: NON-AQUEOUS LITHIUM CELLS; filed 24 October 1989; patented 3 February 1998.// Patent 5,714,378: PSEUDOMONAS CHLORORAPHIS MICROORGANISM POLYURETHANE DEGRADING ENZYME OBTAINED THEREFROM AND METHOD OF USING ENZYME; filed 31 March 1995; patented 3 February 1998.// Patent 5,714,713: ACOUSTIC ABSORBING DEVICE; filed 14 May 1996; patented 3 February 1998.// Patent 5,714,714: PROCESS FOR PREPARING AMMONIUM DINITRAMIDE; filed 15 October 1992; patented 3 February 1998.// Patent 5,714,793: COMPLEMENTARY VERTICAL BIPOLAR JUNCTION TRANSISTORS FORMED IN SILICON-ON-SAPPHIRE; filed 21 August 1996; patented 3 February 1998.// Patent 5,714,901: HYSTERETIC COUPLING SYSTEM; filed 19 July 1995; patented 3 February 1998.// Patent 5,717,159: LEAD-FREE PERCUSSION PRIMER MIXES BASED ON METASTABLE INTERSTITIAL COMPOSITE (MIC) TECHNOLOGY;

filed 19 February 1997; patented 10 February 1998.//Patent 5,717,582: SELECTIVELY CONTROLLED ELECTRICAL POWER SWITCHING SYSTEM; filed 22 February 1996; patented 10 February 1998.//Patent 5,717,657: ACOUSTICAL CAVITATION SUPPRESSOR FOR FLOW FIELDS; filed 24 June 1996; patented 10 February 1998.//Patent 5,717,658: TRAWLING SONAR SYSTEM; filed 5 August 1996; patented 10 February 1998.//Patent 5,718,322: CONVEYOR SAFETY TRAY; filed 21 March 1996; patented 17 February 1998.//Patent 5,719,061: FLUORESCENT DETECTION OF HYDRAZINE, MONOMETHYLHYDRAZINE, AND 1,1-DIMETHYLHYDRAZINE BY DERIVATIZATION WITH AROMATIC DICARBOXALDEHYDES; filed 20 October 1994; patented 17 February 1998.//Patent 5,719,545: HIGH POWER FACTOR SHIELDED SUPERCONDUCTING TRANSFORMER; filed 12 October 1994; patented 17 February 1998.//Patent 5,721,131: SURFACE MODIFICATION OF POLYMERS WITH SELF-ASSEMBLED MONOLAYERS THAT PROMOTE ADHESION, OUTGROWTH AND DIFFERENTIATION OF BIOLOGICAL CELLS; filed 28 April 1994; patented 24 February 1998.//Patent 5,721,391: ELECTRONIC FIRING CIRCUIT; filed 26 August 1996; patented 24 February 1998.//Patent 5,721,632: EXCITED STATE POLARIZATION ALTERING OPTICAL FILTER; filed 30 August 1995; patented 24 February 1998.//Patent 5,721,712: AIRCRAFT DETECTION SYSTEM; filed 5 August 1996; patented 24 February 1998.//Patent 5,722,090: BACK-REINFORCED TWO-PIECE UPPER TORSO ASSEMBLY FOR ARTICULATED ONE-ATMOSPHERE DIVING SUIT; filed 15 July 1996; patented 3 March 1998.//Patent 5,722,141: FASTENER RETAINER REMOVAL TOOL; filed 11 July 1996; patented 3 March 1998.//Patent 5,724,135: HYPER-SPECTRAL IMAGING USING ROTATIONAL SPECTRO-TOMOGRAPHY; filed 27 March 1996; patented 3 March 1998.//Patent 5,724,162: OPTICAL CORRELATOR USING SPATIAL LIGHT MODULATOR; filed 27 November 1995; patented 3 March 1998.//Patent 5,724,174: INTERSUBBAND ELECTRO-OPTICAL MODULATORS BASED ON INTERVALLEY TRANSFER IN ASYMMETRIC DOUBLE QUANTUM WELLS; filed 11 January 1996; patented 3 March 1998.//Patent 5,724,305: APPARATUS FOR ACOUSTIC NEAR FIELD SCANNING USING CONFORMAL ARRAYAL; filed 30 June

1995; patented 3 March 1998.//Patent 5,724,315: OMNIDIRECTIONAL ULTRASONIC MICROPROBE HYDROPHONE; filed 29 May 1996; patented 3 March 1998.//Patent 5,724,487: NEURAL NETWORK FOR MAXIMUM LIKELIHOOD CLASSIFICATION WITH SUPERVISED AND UNSUPERVISED TRAINING CAPABILITY; filed 7 July 1995; patented 3 March 1998.//Patent 5,726,747: COMPUTER CONTROLLED OPTICAL TRACKING SYSTEM; filed 22 April 1996; patented 10 March 1998.//Patent 5,727,298: ROLLER SHAFT EXTRACTOR; filed 19 September 1996; patented 17 March 1998.//Patent 5,727,381: DUCT FLOW CONTROL SYSTEM; filed 19 February 1997; patented 17 March 1998.//Patent 5,727,561: METHOD AND APPARATUS FOR NON-INVASIVE DETECTION AND ANALYSIS OF TURBULENT FLOW IN A PATIENT'S BLOOD VESSELS; filed 23 April 1996; patented 17 March 1998.//Patent 5,727,906: HEATED SHELTER FOR DIVER DECOMPRESSION; filed 10 May 1996; patented 17 March 1998.//Patent 5,728,944: PHOTOELASTIC STRESS SENSOR; filed 17 January 1996; patented 17 March 1998.//Patent 5,729,100: METHOD AND APPARATUS FOR CONTROLLING BACKLASH IN MOTOR DRIVE SYSTEMS; filed 3 February 1997; patented 17 March 1998.//Patent 5,729,171: PREAMPLIFIER WITH ADJUSTABLE INPUT RESISTANCE; filed 1 June 1992; patented 17 March 1998.//Patent 5,729,239: VOLTAGE CONTROLLED FERROELECTRIC LENS PHASED ARRAY; filed 31 August 1995; patented 17 March 1998.//Patent 5,729,338: COMPUTER CONTROLLED OPTICAL TRACKING SYSTEM; filed 1 July 1996; patented 17 March 1998.//Patent 5,729,582: METHOD AND APPARATUS FOR DETERMINING BOTH DENSITY AND ATOMIC NUMBER OF A MATERIAL COMPOSITION USING COMPTON SCATTERING; filed 31 May 1996; patented 17 March 1998.//Patent 5,730,144: METHOD AND APPARATUS FOR PREDICTING THE EFFICACY OF CARDIOVERSION; filed 10 July 1996; patented 24 March 1998.//Patent 5,730,597: LIP AND CHEEK RETRACTOR; filed 5 June 1996; patented 24 March 1998.//Patent 5,732,044: SYSTEM AND METHOD FOR COMPENSATING FOR DOPPLER SHIFTS IN SIGNALS BY DOWNSAMPLING; filed 19 September 1996; patented 24 March 1998.//Patent 5,732,045: FLUCTUATIONS BASED DIGITAL SIGNAL PROCESSOR INCLUDING PHASE VARIATIONS; filed 31 December 1996; patented 24

March 1998.//Patent 5,732,499: SHOULDER-LAUNCHED MULTIPLE-PURPOSE ASSAULT WEAPON; filed 24 January 1997; patented 31 March 1998.//Patent 5,733,485: ELIMINATION OF SURFACE IRREGULARITIES ON THE WRAPAROUND WINDOW OF A TORPEDO NOSE ARRAY; filed 26 August 1996; patented 31 March 1998.//Patent 5,733,606: INTER-LEVEL DIELECTRICS WITH LOW DIELECTRIC CONSTANTS; filed 28 February 1997; patented 31 March 1998.//Patent 5,733,679: BATTERY SYSTEM AND A METHOD FOR GENERATING ELECTRICAL POWER; filed 8 January 1997; patented 31 March 1998.//Patent 5,734,578: OPTICAL RF SPECTRUM ANALYZER; filed 13 February 1996; patented 31 March 1998.//Patent 5,734,624: WIDE-BAND OMNI TELEMETRY SYSTEM; filed 31 October 1996; patented 31 March 1998.//Patent 5,734,667: POLARIZATION-STABLE LASER; filed 28 April 1995; patented 31 March 1998.//Patent 5,734,797: SYSTEM AND METHOD FOR DETERMINING CLASS DISCRIMINATION FEATURES; filed 23 August 1996; patented 31 March 1998.//Patent 5,735,927: METHOD FOR PRODUCING CORE/CLAD GLASS OPTICAL FIBER PREFORMS USING HOT ISOSTATIC PRESSING; filed 28 June 1996; patented 7 April 1998.//Patent 5,736,257: PHOTOACTIVATABLE POLYMERS FOR PRODUCING PATTERNED BIOMOLECULAR ASSEMBLIES; filed 25 April 1995; patented 7 April 1998.//Patent 5,736,313: METHOD OF LYOPHILIZING PLATELETS BY INCUBATION WITH HIGH CARBOHYDRATE CONCENTRATIONS AND SUPERCOOLING PRIOR TO FREEZING; filed 20 October 1995; patented 7 April 1998.//Patent 5,739,536: FIBER OPTIC INFRARED CONE PENETROMETER SYSTEM; filed 14 December 1995; patented 14 April 1998.//Patent 5,744,337: INTERNAL GELATION METHOD FOR FORMING MULTILAYER MICROSPHERES AND PRODUCT THEREOF; filed 26 December 1995; patented 28 April 1998.//Patent 5,745,234: VARIABLE ANGLE REFLECTOMETER EMPLOYING AN INTEGRATING SPHERE AND A LIGHT CONCENTRATOR; filed 31 July 1995; patented 28 April 1998.//Patent 5,746,942: ERBIUM-DOPED LOW PHONON HOSTS AS SOURCES OF FLUORESCENT EMISSION; filed 31 January 1996; patented 5 May 1998.//Patent 5,748,312: SENSING APPARATUS AND METHOD FOR DETECTING STRAIN BETWEEN FIBER

BRAGG GRATING SENSORS INSCRIBED INTO AN OPTICAL FIBER; filed 19 September 1995; patented 5 May 1998.//Patent application 08/733,455: SENSE AMPLIFIER CONTROL SYSTEM FOR FERROELECTRIC MEMORIES; filed 18 October 1996.//Patent application 08/734,824: OMNIDIRECTIONAL AND CONTROLLABLE WING USING FLUID EJECTION; filed 22 October 1996.//Patent application 08/736,176: NEURAL NETWORK BASED HELICOPTER LOW AIRSPEED INDICATOR; 24 October 1996.//Patent application 08/759,359: APPARATUS FOR MONITORING ENVIRONMENTAL PARAMETERS AT NETWORK SITES; filed 12 November 1996.//Patent application 08/759,361: APPARATUS FOR OPTIMIZING THE ROTATIONAL SPEED OF COOLING FANS; filed 12 November 1996.//Patent application 08/779,876: FLOW ENERGIZING SYSTEM FOR TURBOMACHINERY; filed 6 January 1997.//Patent application 8/805,529: NANOSTRUCTURED CERAMIC NITRIDE POWDERS AND A METHOD OF MAKING THE SAME; filed 25 February 1997.//Patent application 08/806,044: BRIDGE CONFIGURATION FOR A MAGNETO-RESISTIVE LINEAR-DISPLACEMENT SENSOR; filed 13 January 1997.//Patent application 08/835,970: METHOD AND APPARATUS OF CLASSIFYING MARINE SEDIMENTS; filed 11 April 1997.//Patent application 08/854,032: PASSIVE PIEZOELECTRIC PROSTHESIS FOR THE INNER EAR; filed 9 May 1997.//Patent application 08/864,320: METHOD OF PRODUCING A FILM COATING BY MATRIX ASSISTED PULSED LASER DEPOSITION; filed 28 May 1997.//Patent application 08/883,037: $RE(x)M(1-x)Mn(y)O(\delta)$ FILMS FOR MICROBOLMETER-BASED IR FOCAL PLANE ARRAYS; filed 26 June 1997.//Patent application 08/886,574: DESALINATION THROUGH METHANE HYDRATE; filed 30 June 1997.//Patent application 08/933,559: MECHANICAL STRAIN RELIEF; filed 19 September 1997.//Patent application 08/940,736: COMPOUNDS LABELED WITH CYANATE OR THIOCYANATE METAL COMPLEXES FOR DETECTION BY INFRARED SPECTROSCOPY; filed 30 September 1997.//Patent application 08/951,968: REGULATED GAS SOURCE FOR UNDERWATER GUN OPERATION; filed 16 October 1997.//Patent application 08/953,786: SELF POWERED UNDERWATER ACOUSTIC ARRAY; filed 14 October 1997.//Patent application 08/954,883: METHOD AND APPARATUS FOR RETAINING WIRES

IN A CYLINDRICAL TUBE; filed 9 October 1997.//Patent application 08/954,884: ECHO SIMULATOR FOR ACTIVE SONAR; filed 9 October 1997.//Patent application 08/967,740: SYSTEM AND METHOD FOR RECOVERING A SIGNAL OF INTEREST FROM A PHASE MODULATED SIGNAL USING QUADRATURE SAMPLING; filed 10 November 1997.//Patent application 08/969,530: VXI TEST EXECUTIVE; filed 16 September 1997.//Patent application 08/972,402: NANOPARTICLE PHOSPHORS MANUFACTURED USING THE BICONTINUOUS CUBIC PHASE PROCESS; filed 18 November 1997.//Patent application 08/976,133: VIBRATION ISOLATING FLANGE ASSEMBLY; filed 29 September 1997.//Patent application 08/978,165: SHOULDER-LAUNCHED MULTI-PURPOSE ASSAULT WEAPON; filed 25 November 1997.//Patent application 08/986,979: METHOD FOR CHARACTERIZING CONGESTION OF OBJECTS IN THREE DIMENSIONS; filed 8 December 1997.//Patent application 09/008,921: BULKHEAD PENETRATOR AND METHOD FOR SEPARATING CABLES FROM A BULKHEAD PENETRATOR; filed 20 January 1998.//Patent application 09/013,465: ACOUSTIC VECTOR SENSING SONAR SYSTEM; filed 27 January 1998.//Patent application 09/014,688: SUPERCAVITATING WATER-ENTRY PROJECTILE; filed 28 January 1998.//Patent application 09/047,335: MONITOR PARTICULARLY SUITED FOR NAVAL TACTICAL DATA SYSTEM (NTDS) INTERFACES TYPES A AND B; filed 25 March 1998.//Patent application 09/050,964: RAPID, HIGH-RESOLUTION SCANNING OF FLAT AND CURVED REGIONS FOR GATED OPTICAL IMAGING; filed 31 March 1998.//Patent application 09/053,712: MONITOR PARTICULARLY SUITED FOR NAVAL TACTICAL DATA SYSTEM (NTDS) INTERFACE TYPE E; filed 2 April 1998.//Patent application 09/056,715: WRENCH-TO-BOLT COUPLING ASSEMBLY; filed 8 April 1998.//

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

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

Dated: October 19, 1998.

Ralph W. Corey,

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

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DEPARTMENT OF DEFENSE

Department of the Navy

Meeting of the Chief of Naval Operations (CNO) Executive Panel

AGENCY: Department of the Navy, DOD.

ACTION: Notice of closed meeting.

SUMMARY: The Chief of Naval Operations Executive Panel will meet to conduct a mid-term briefing of the Pacific Strategy Task Force to the Chief of Naval Operations. This meeting will be closed to the public.

DATES: The meeting will be held on November 10, 1998 from 1330-1430.

ADDRESSES: The meeting will be held at the office of the Chief of Operations, 2000 Pentagon, Washington, DC 20350.

FOR FURTHER INFORMATION CONTACT: CDR Michael Franken, CNO Executive Panel Assistant for Political-Military Affairs, 4401 Ford Avenue, Suite 601, Alexandria, Virginia 22302-0268, telephone number (703) 681-6205.

SUPPLEMENTARY INFORMATION: This notice of meeting is provided in accordance with the provision of Federal Advisory Committee Act (5 U.S.C. App. 2). The purpose of this meeting is to conduct the mid-term briefing of the Pacific Strategy Task Force to the Chief of Naval Operations. These matters constitute classified information that is specifically authorized by Executive order to be kept secret in the interest of national defense and are, in fact, properly classified pursuant to such Executive order. Accordingly, the Secretary of the Navy has determined in writing that the public interest requires that all sessions of the meeting be closed to the public because they will be concerned with matters listed in section 552b(1)(1) of title 5, United States Code.

Dated: October 19, 1998.

Ralph W. Corey,

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

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