

DEPARTMENT OF THE ARMY**Patent Licenses, Exclusive;
Electrochemical Capacitor**

AGENCY: U.S. Army Research Laboratory.

ACTION: Notice of prospective exclusive license.

SUMMARY: In accordance with 37 CFR 404.7(a)(1)(i), announcement is made of prospective exclusive licenses for Electrochemical Capacitor technology, as described in U.S. Patent Application Serial No. 08/353, 418, filed December 9, 1994, entitled, "Amorphous Thin Film Electrode Materials from Hydrous Metal Oxides," and the related applications listed therein.

FOR FURTHER INFORMATION CONTACT: Mr. William H. Anderson, U.S. Army, Communications-Electronics Command, ATTN: AMSEL-LG-L, Fort Monmouth, New Jersey 07703-5010, Telephone (908) 532-4112, E-mail anderson@doim6.monmouth.army.mil.

SUPPLEMENTARY INFORMATION: U.S. Patent Application Serial No. 08/353,418, filed December 9, 1994, entitled, "Amorphous Thin Film Electrode Materials from Hydrous Metal Oxides," and the related applications listed therein were assigned to the United States of America, as represented by the Secretary of the Army. Accordingly, under the authority of section 11(a)(2) of the Federal Technology Transfer Act of 1986 (Pub. L. 99-502) and section 207 of Title 35, United States Code, the Department of the Army, as represented by the Army Research Laboratory, intends to grant exclusive licenses for the above identified U.S. Patent Applications to Kim Technologies International, 13535 South Figueroa Street, Los Angeles, California 90061.

These applications concern electrochemical capacitor technology involving the preparation of electrode materials and the assembly of other components together to provide energy with a power higher than that of batteries.

A notice of the availability of this technology for licensing was published in the Federal Register, Vol. 61, No. 92, at page 21445, May 10, 1996.

Pursuant to 37 CFR 404.7(a)(1)(i) any interested party may file written objections to this prospective exclusive license agreements. Written objections should be directed to:

Mr. William H. Anderson, Intellectual Property Law Division, U.S. Army Communications-Electronics Command, ATTN: AMSEL-LG-L,

Fort Monmouth, New Jersey 07703-5010

Written objections must be filed within sixty (60) days from the date of the publication of this notice in the Federal Register.

Gregory D. Showalter,
Army Federal Register Liaison Officer.
[FR Doc. 96-16438 Filed 6-26-96; 8:45 am]

BILLING CODE 3710-08-M

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.

Patent 5,343,742: FLOATING PLATFORM TOW POST; filed 28 September 1993; patented 6 September 1994.// Patent 5,388,926: COMPOSITE COUPLING FOR TOWED ARRAYS; filed 22 February 1993; patented 14 February 1995.// Patent 5,437,190: METHOD FOR DETERMINING THE EFFECTS OF STRESS; filed 29 May 1991; patented 1 August 1995.// Patent 5,445,040: CAGING SYSTEM; filed 20 May 1994; patented 29 August 1995.// Patent 5,454,048: APPARATUS FOR MULTIPLEXED IMAGING USING OPTICALLY-GENERATED KRONECKER PRODUCTS; filed 6 November 1992; patented 26 September 1995.// Patent 5,456,122: CABLE LOAD TRANSDUCER; filed 13 October 1994; patented 10 October 1995.// Patent 5,456,200: RUDDER FOR REDUCED CAVITATION; filed 21 April 1995; patented 10 October 1995.// Patent 5,456,207: SYNTHESIS OF TRIISOPROPYLINDIUM. DIISOPROPYLTELLURIDE ADDUCT AND USE FOR SEMICONDUCTOR MATERIALS; filed 16 May 1994; patented 10 October 1995.// Patent 5,456,427: AIR-LAUNCHABLE GLIDING

SONOBUOY; filed 25 July 1994; patented 10 October 1995.// Patent 5,457,688: SIGNAL PROCESSOR HAVING MULTIPLE PARALLELED DATA ACQUISITION CHANNELS AND AN ARBITRATION UNIT FOR EXTRACTING FORMATTED DATA THEREFROM FOR TRANSMISSION; filed 7 May 1993; patented 10 October 1995.// Patent 5,457,702: CHECK BIT CODE CIRCUIT FOR SIMULTANEOUS SINGLE BIT ERROR CORRECTION AND BURST ERROR DETECTION; filed 5 November 1993; patented 10 October 1995.// Patent 5,458,149: MULTI-STAGE FLUID FLOW CONTROL DEVICE; filed 30 June 1994; patented 17 October 1995.// Patent 5,458,770: OIL/COOLANT SEPARATOR; filed 31 March 1994; patented 17 October 1995.// Patent 5,459,321: LASER HARDENED BACKSIDE ILLUMINATED OPTICAL DETECTOR; filed 26 December 1990; patented 17 October 1995.// Patent 5,461,926: SINGLE-ENDED OPTICAL FIBER STRAIN SENSOR FOR MEASURING MAXIMUM STRAIN; filed 30 June 1994; patented 31 October 1995.// Patent 5,461,927: OPTICAL FIBER STRAIN SENSOR FOR MEASURING MAXIMUM STRAIN; filed 30 June 1994; patented 31 October 1995.// Patent 5,462,000: NON-TURBULENT PULL DOWN EYE FOR BUOYANT TEST VEHICLE; filed 21 December 1994; patented 31 October 1995.// Patent 5,463,334: ARBITRARY WAVEFORM GENERATOR; filed 2 February 1995; patented 31 October 1995.// Patent 5,463,396: ECM FOR LONG-RANGE RADARS; filed 16 April 1980; patented 31 October 1995.// Patent 5,463,399: MTI USING A POLYPHASE CODE; filed 28 January 1983; patented 31 October 1995.// Patent 5,464,161: SOLID WASTE PULPER; filed 30 September 1994; patented 7 November 1995.// Patent 5,464,321: MARINE PROPELLER; filed 24 November 1978; patented 7 November 1995.// Patent 5,466,537: INTERMETALLIC THERMAL SENSOR; filed 12 April 1993; patented 14 November 1995.// Patent 5,468,674: METHOD FOR FORMING LOW AND HIGH MINORITY CARRIER LIFETIME LAYERS IN A SINGLE SEMICONDUCTOR STRUCTURE; filed 8 June 1994; patented 21 November 1995.// Patent 5,468,913: ELECTRO-OPTICAL COAXIAL TOW CABLE; filed 9 February 1995; patented 21 November 1995.// Patent 5,469,374: AUTOMATIC DATA SEGMENTATION MODULE FOR TARGET MOTION ANALYSIS APPLICATIONS; filed 23 June 1993; patented 21 November 1995.// Patent 5,470,232: RECONFIGURABLE

AIRCRAFT STICK CONTROL AND METHOD FOR CONNECTING AND REMOVING STICK CONTROL FROM AIRCRAFT SIMULATOR; filed 29 September 1993; patented 28 November 1995.// Patent 5,471,182: BROADBAND PRESSURE BARRIER FOR CIRCULAR WAVEGUIDE; filed 8 August 1994; patented 28 November 1995.// Patent 5,471,433: SYSTEM AND METHOD FOR RAPIDLY TRACKING HIGHLY DYNAMIC VEHICLES; filed 18 October 1994; patented 28 November 1995.// Patent 5,471,434: SYSTEM AND METHOD FOR RAPIDLY TRACKING VEHICLES OF SPECIAL UTILITY IN LOW SIGNAL-TO-NOISE ENVIRONMENTS; filed 18 October 1994; patented 28 November 1995.// Patent 5,471,634: NETWORK FILE SERVER WITH AUTOMATIC SENSING MEANS; filed 29 March 1994; patented 28 November 1995.// Patent 5,472,069: VIBRATION DAMPING DEVICE; filed 27 October 1993; patented 5 December 1995.// Patent 5,472,112: QUICK-POUR CONTAINER; filed 31 October 1994; patented 5 December 1995.// Patent 5,472,519: CONDUCTING POLYMER THERMOELECTRIC MATERIAL AND PROCESS OF MAKING SAME; filed 30 May 1995; patented 5 December 1995.// Patent 5,472,742: METHOD FOR ACTIVATING CARBON FIBER SURFACES; filed 28 September 1994; patented 5 December 1995.// Patent 5,472,787: ANTI-REFLECTION AND ANTI-OXIDATION COATINGS FOR DIAMOND; filed 11 August 1992; patented 5 December 1995.// Patent 5,472,807: ALUMINUM-FERRICYANIDE BATTERY; filed 30 November 1993; patented 5 December 1995.// Patent 5,473,116: QUICK CHANGE ANTI-CORONA CONNECTOR; filed 31 March 1994; patented 5 December 1995.// Patent 5,473,340: APPARATUS FOR DISPLAYING A MULTI-COLOR PATTERN; filed 27 September 1990; patented 5 December 1995.// Patent 5,473,472: NIGHT VISION GOGGLE FOCUSING AID; filed 14 February 1994; patented 5 December 1995.// Patent 5,473,578: SONAR AND CALIBRATION UTILIZING NON-LINEAR ACOUSTIC RERADIATION; filed 14 March 1994; patented 5 December 1995.// Patent 5,473,718: FIBER OPTIC LOOSE TUBE BUFFER TO FAN-OUT TUBE ADAPTER SYSTEM; filed 20 September 1994; patented 5 December 1995.// Patent 5,473,728: TRAINING OF HOMOSCEDASTIC HIDDEN MARKOV MODELS FOR AUTOMATIC SPEECH RECOGNITION; filed 24 February 1993; patented 5 December 1995.// Patent 5,473,952: BENTHIC FLUX SAMPLING

DEVICE; filed 22 March 1994; patented 12 December 1995.// Patent 5,474,454: OWN SHIP SENSOR SYSTEM SIMULATOR; filed 10 February 1994; patented 12 December 1995.// Patent 5,474,499: FLEXIBLE DRIVE SHAFT COUPLING; filed 12 July 1993; patented 12 December 1995.// Patent 5,474,632: METHOD OF MAKING A LATTICE CORE SANDWICH CONSTRUCTION; filed 19 July 1994; patented 12 December 1995.// Patent 5,475,651: METHOD FOR REAL-TIME EXTRACTION OF OCEAN BOTTOM PROPERTIES; filed 18 October 1994; patented 12 December 1995.// Patent 5,475,802: SELECTIVE POLYGON MAP DISPLAY METHOD; filed 12 May 1994; patented 12 December 1995.// Patent 5,476,239: GYRO PLATFORM ASSEMBLY WITH A SPINNING VEHICLE; filed 19 April 1994; patented 19 December 1995.// Patent 5,476,401: COMPACT WATER JET PROPULSION SYSTEM FOR A MARINE VEHICLE; filed 30 September 1994; patented 19 December 1995.// Patent 5,476,552: SURFACE PREPARATION FOR BONDING TITANIUM; filed 25 January 1995; patented 19 December 1995.// Patent 5,477,504: BALANCED, DOUBLE-SIDED CALIBRATION CIRCUIT FOR SENSOR ELEMENT AND DIFFERENTIAL PREAMPLIFIER; filed 7 October 1994; patented 19 December 1995.// Patent 5,477,544: MULTI-PORT TESTER INTERFACE; filed 10 February 1994; patented 19 December 1995.// Patent 5,477,733: PROJECTILE RECOVERY DEVICE; filed 9 February 1995; patented 26 December 1995.// Patent 5,477,803: TORPEDO TUBE AND SLIDE VALVE GRATES; filed 30 June 1994; patented 26 December 1995.// Patent 5,478,058: SHOCK ISOLATION METHOD AND APPARATUS; filed 2 May 1994; patented 26 December 1995.// Patent 5,481,505: TRACKING SYSTEM AND METHOD; filed 15 May 1995; patented 2 January 1996.// Patent 5,483,839: MULTI-PITOT TUBE ASSEMBLY; filed 8 December 1994; patented 16 January 1996.// Patent 5,484,027: ICE PENETRATING HOT POINT; filed 1 July 1987; patented 16 January 1996.// Patent 5,485,392: MANUAL SOLDERING PROCESS MONITORING SYSTEM; filed 12 September 1994; patented 16 January 1996.// Patent 5,485,834: MANUALLY TUNABLE, CLOSED-CIRCUIT UNDERWATER BREATHING APPARATUS; filed 10 August 1994; patented 23 January 1996.// Patent 5,487,351: CONTROL SURFACE FOR UNDERWATER VEHICLE; filed 13 January 1995; patented 30 January 1996.// Patent 5,488,336: BROADBAND

WAVEGUIDE PRESSURE WINDOW; filed 8 August 1994; patented 30 January 1996.// Patent 5,488,589: NEURAL NETWORK BASED THREE DIMENSIONAL OCEAN MODELER; filed 18 October 1994; patented 30 January 1996.// Patent application 08/003,999: TIME GRATED IMAGING THROUGH SCATTERING MATERIAL USING POLARIZATION AND STIMULATED RAMAN AMPLIFICATION; filed 15 January 1993.// Patent application 08/303,809: MAPPED MEMORY INTERFACE FOR COMMUNICATIONS BETWEEN MULTIPLE COMPUTERS; filed 9 September 1994.// Patent application 08/304,960: REACTIVE OXYGEN-ASSISTED ION IMPLANTATION INTO METALS AND PRODUCTS MADE THEREFROM; filed 13 September 1994.// Patent application 08/353,853: CONTACT MANAGEMENT MODEL ASSESSMENT SYSTEM FOR CONTACT TRACKING IN THE PRESENCE OF MODEL UNCERTAINTY AND NOISE; filed 9 December 1994.// Patent application 08/368,821: CONTINUOUSLY TUNABLE UV Ce: LISAF SOLID STATE LASER; filed 5 January 1995.// Patent application 08/374,474: LOWER BANDGAP, LOWER RESISTIVITY, SILICON CARBIDE HETEROEPITAXIAL MATERIAL, AND METHOD BY MAKING SAME; filed 17 January 1995.// Patent application 08/379,380: LIGHTWEIGHT ZINC ELECTRODE; filed 26 January 1995.// Patent application 08/381,243: OPTICALLY PUMPED, PRASEODYMIUM BASED SOLID STATE LASER; filed 31 January 1995.// Patent application 08/382,306: FLIPPER ENERGY SOURCE; filed 25 January 1995.// Patent application 08/391,971: ANNULAR GMR-BASED MEMORY ELEMENT; filed 21 February 1995.// Patent application 08/395,321: HIGH RESOLUTION ENCODING CIRCUIT AND PROCESS FOR ANALOG TO DIGITAL CONVERSION; filed 28 February 1995.// Patent application 08/396,292: ALKALINE EARTH MODIFIED GERMANIUM SULFIDE GLASS; filed 28 February 1995.// Patent application 08/396,950: VARIABLE RESISTANCE, LIQUID-COOLED LOAD BANK; filed 1 March 1995.// Patent application 08/398,848: HIGH TEMPERATURE COPOLYMERS FROM INORGANIC-ORGANIC HYBRID POLYMERS AND MULTI-ETHYNYLBENZENES; filed 3 March 1995.// Patent application 08/402,783: USE OF LIPID LIPOSOMES AS CARRIERS FOR DELIVERY OF ORAL VACCINES; filed 13 March 1995.// Patent application 08/414,824: COMMUNICATIONS SYSTEM USING

A SHARPLY BANDLIMITED KEYING WAVEFORM; filed 31 March 1995.// Patent application 08/414,885: MILLING MACHINE EXTENSION; filed 31 March 1995.// Patent application 08/416,113: SELECTIVE VAPOR DEPOSITION USING FILMS CROSS-REFERENCE TO RELATED APPLICATION; filed 4 April 1995.// Patent application 08/420,536: INDUCTIVE DETECTOR FOR TIME-OF-FLIGHT MASS SPECTROMETERS; filed 12 April 1995.// Patent application 08/422,102: SIDEWALL PASSIVATION BY OXIDATION DURING REFRACTORY-METAL PLASMA ETCHING; filed 14 April 1995.// Patent application 08/422,103: RAPID ASSAY FOR DETECTION OF ENDOTOXINS CROSS REFERENCE TO RELATED APPLICATION; filed 14 April 1995.// Patent application 08/428,454: PHOTOACTIVATABLE POLYMERS FOR PRODUCING PATTERNED BIOMOLECULAR ASSEMBLIES; filed 25 April 1995.// Patent application 08/430,953: SOLID-STATE BLUE LASER SOURCE; filed 28 March 1995.// Patent application 08/430,956: HYBRID THERMAL-DEFOCUSING/ NONLINEAR-SCATTERING BROADBAND OPTICAL LIMITER FOR THE PROTECTION OF EYES AND SENSORS; filed 28 April 1994.// Patent application 08/437,763: SILOXANE UNSATURATED HYDRO-CARBON BASED THERMOSETTING POLYMERS; filed 9 May 1995.// Patent application 08/443,912: SUBMARINE ANTENNA POSITIONING ASSEMBLY; filed 22 May 1995.// Patent application 08/449,474: ENHANCED ADAPTIVE STATISTICAL FILTER PROVIDING SPARSE DATA STOCHASTIC MENSURATION FOR RESIDUAL ERRORS TO IMPROVE PERFORMANCE FOR TARGET MOTION ANALYSIS NOISE DISCRIMINATION; filed 25 May 1995.// Patent application 08/449,475: ENHANCED ADAPTIVE STATISTICAL FILTER PROVIDING IMPROVED PERFORMANCE FOR TARGET MOTION ANALYSIS NOISE DISCRIMINATION; filed 25 May 1995.// Patent application 08/449,581: PACKAGE-INTERFACE THERMAL SWITCH; filed 24 May 1995.// Patent application 08/450,214: DEPLOYABLE HYDROPHONE; filed 25 May 1995.// Patent application 08/450,215: CONTINUOUSLY WRAPPED FIBER OPTIC TOWED ARRAY; filed 25 May 1995.// Patent application 08/454,982: PRODUCTION OF STRUCTURES BY ELECTROSTATICALLY-FOCUSED DEPOSITION; filed 31 May 1995.// Patent application 08/489,663: MULTIPLE, PARALLEL, SPATIAL PHASE MEASUREMENT; filed 12 June

1995.// Patent application 08/489,920: FERROELECTRIC AND ELECTRO-CLINIC LIQUID CRYSTAL MATERIALS WITH SUB-AMBIENT TEMPERATURE STABILITY, BROAD OPERATION RANGE, AND FAST DYNAMIC RESPONSE; filed 13 June 1995.

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

Dated: June 19, 1996.

M.A. Waters,

LCDR, JAGC, USN, Federal Register Liaison Officer.

[FR Doc. 96-16439 Filed 6-26-96; 8:45 am]

BILLING CODE 3810-FF-P

DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

[Docket No. RP96-280-000]

Tuscarora Gas Transmission Company; Notice of Proposed Changes in FERC Gas Tariff

June 20, 1996.

Take notice that on June 18, 1996, Tuscarora Gas Transmission Company (Tuscarora) tendered for filing as part of its FERC Gas Tariff, Original Volume No. 1, the following tariff sheets, to become effective August 1, 1996:

First Revised Sheet Nos. 4 & 5

First Revised Sheet No. 31

Original Sheet Nos. 91-93.

Tuscarora states that the tariff sheets which it is submitting reflect a Gas Research Institute Adjustment Provision.

Tuscarora further states it has served a copy of this filing upon all interested state regulatory agencies and Tuscarora's jurisdictional customers.

Any person desiring to be heard or protest said filing should file a motion to intervene or protest with the Federal Energy Regulatory Commission, 888 First Street, N.E., Washington, D.C. 20426, in accordance with Sections 385.214 and 385.211 of the Commission's Rules of Practice and Procedure. All such motions or protests must be filed as provided in Section 154.210 of the Commission's Regulations. Protests will be considered by the Commission in determining the appropriate action to be taken, but will not serve to make protestants parties to the proceeding. Any person wishing to become party must file a motion to intervene. Copies of this filing are on file with the Commission and are

available for public inspection in the Public Reference Room.

Lois D. Cashell,

Secretary.

[FR Doc. 96-16352 Filed 6-26-96; 8:45 am]

BILLING CODE 6717-01-M

Federal Energy Regulation Commission

[Docket No. RP95-296-003]

Williams Natural Gas Company; Notice of Proposed Changes in FERC Gas Tariff

June 20, 1996.

Take notice that on June 17, 1996, Williams Natural Gas Company (WNG), tendered for filing to become part of its FERC Gas Tariff, Second Revised Volume No. 1, the following tariff sheets, with the proposed effective date of March 14, 1996:

Substitute Second Revised Sheet No. 251

Substitute Third Revised Sheet No. 252

Second Substitute First Revised Sheet No. 253

Substitute First Revised Sheet No. 254

WNG states that this filing is being made in compliance with Commission order issued May 17, 1996, in Docket No. RP95-296-002. WNG was directed to revise its tariff to incorporate the following modifications: (1) posting the availability of the PDM gas at least 21 days prior to the beginning of the month, (2) posting on the EBB to be held open until two business days prior to the date beginning-of-the-month nominations are due (four business days prior to the first day of each month), (3) posting on the EBB the amount of the winning bid, the name of the winning bidder, and an indication of whether the winning bidder is an affiliate, (4) for a six-month period, prohibiting bids on PDM volumes for periods longer than one month, and (5) posting on the EBB 12 months of the production history for the applicable PDM gas packages.

WNG states that a copy of its filing was served on all participants listed on the service lists maintained by the Commission in the dockets referenced above and on all jurisdictional customers and interested state commissions.

Any person desiring to protest this filing should file a protest with the Federal Energy Regulation Commission, 888 First Street, NE, Washington, DC 20426, in accordance with Section 385.211 of the Commission's Rules and Regulations. All such protests must be filed as provided in Section 154.210 of the Commission's Regulations. Protests will be considered by the Commission in determining the appropriate action to