

INVENTORS(S): Kwong-Kit Choi
 PATENT NO.: 5,384,469—Issued 01/24/95

TITLE: SEQUENTIAL CIRCUITRY FOR RECREATING CW COMPONENTS FROM CHIRP-Z PULSES

INVENTOR(S): William J. Skudera, Jr.
 PATENT NO.: 5,384,545—Issued 01/24/95

TITLE: HIGH Tc SUPERCONDUCTING MICROSTRIP PHASE SHIFTER HAVING TAPERED OPTICAL BEAM PATTERN REGIONS

INVENTOR(S): Erik H. Lenzing, Charles D. Hechtman
 PATENT NO.: 5,385,883—Issued 01/31/95

TITLE: POLARIZATION-SENSITIVE SHEAR WAVE TRANSDUCER

INVENTOR(S): John A. Kosinski
 PATENT NO.: 5,386,168—Issued 01/31/95

TITLE: OPTICAL MODULATOR BASED ON PIEZOELECTRICALLY DRIVEN ANISOTROPIC OPTICAL ABSORPTION

INVENTOR(S): Gerald J. Iafrate, Mitra Dutta, Hongen Shen, Michael A. Strosio, Arthur Ballato
 PATENT NO.: 5,387,997—Issued 02/07/95

TITLE: MODIFIED CHIRP-Z PULSE DETECTOR

INVENTOR(S): William J. Skudera, Jr.
 PATENT NO.: 5,388,121—Issued 02/07/95

TITLE: LIGHT-WEIGHT MAGNETIC FIELD SOURCES HAVING DISTORTION-FREE ACCESS PORTS

INVENTOR(S): Herbert A. Leupold
 PATENT NO.: 5,396,209—Issued 03/07/95

TITLE: METHOD OF FORMING AN IMPROVED TAPERED WAVEGUIDE BY SELECTIVELY IRRADIATING A VISCOUS ADHESIVE RESIN PREPOLYMER WITH ULTRA-VIOLET LIGHT

INVENTOR(S): Steven A. Malone, Arthur Paolella, Dana J. Sturzebecher
 PATENT NO.: 5,402,511—Issued 03/28/95

FOR FURTHER INFORMATION OR COPIES OF THE PATENTS LISTED, CONTACT: Mr. William H. Anderson, United States Army Communications-Electronics Command, ATTN: AMSEL-LG-L, Fort Monmouth, New Jersey 07703-5010, or phone (908) 532-4112.

Gregory D. Showalter,
Army Federal Register Liaison Officer.
 [FR Doc. 95-11571 Filed 5-10-95; 8:45 am]
 BILLING CODE 3710-08-P

Corps of Engineers

Availability of Patent Applications for Exclusive, Partially Exclusive, or Nonexclusive Licenses

AGENCY: Department of the Army, DOD.
 ACTION: Notice of availability.

SUMMARY: In accordance with 37 CFR 404.7(a)(1)(i), the Department of the Army, U.S. Army Corps of Engineers announces the general availability of technology for licensing (U.S. and foreign patents pending). Foreign patents applied for include Japan, South Korea, South Africa, Taiwan, Mexico, Indonesia, Malaysia, U.K. including Hong Kong, Spain, Portugal, Sweden, Ireland, Finland, Norway, The Netherlands, Belgium, Denmark, Germany, France, Canada, Australia, Brazil, New Zealand, China, Russia, and Israel.

DATES: Proposals for an exclusive or partially exclusive license must be submitted within 120 days after the publication of this notice.

FOR FURTHER INFORMATION CONTACT: Mr. Phillip Stewart, ATTN: CEWES-FV-C, (601) 634-4113, fax (601) 634-4180, Internet stewarp@exl.wes.army.mil or, for technical information, Mr. C. E. Chatham, ATTN: CEWES-CW, (601) 634-2460, FAX (601) 634-3433, Internet chatham@coafsl.wes.army.mil, U.S. Army Engineer Waterways Experiment Station, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199.

SUPPLEMENTARY INFORMATION: This technology concerns a concrete armor unit for protecting coastal structures and shoreline embankments from erosion caused by waves and currents. The object of the invention is to provide a concrete block which, when placed in an interlocking matrix, has superior stability, strength, and wave energy dissipation and exhibits improved economics through reduced armor layer thickness and increased armor layer porosity. The CORE-LOC shape is composed of three members of generally octagonal shape, symmetrically tapered toward the outer ends. The three members are configured in an "H" pattern such that two outer members are parallel and the third member is perpendicular and midway between the two outer members. The units interlock when placed randomly on a rubble slope to form an armor layer matrix. The shape of the unit is such that it will, in general, not require steel reinforcement. A large number of model tests of rubble mound structures armored with CORE-LOC have been conducted at the U.S. Army Engineer Waterways Experiment Station. The units have demonstrated

significantly superior stability and improved strength over existing armor shapes. The unit has also been proportioned to interlock with an existing armor unit for repair. Model tests have shown that the repaired sections are more stable than the original sections. The units are significantly more economical than all existing randomly-placed armor units currently available.

Each interested party is requested to submit an application for a license containing the information described in 37 CFR 404.8 for any one or combination of countries of interest within 120 days of publications of this notice in the **Federal Register**. The applications for licensing the armor unit technology will be evaluated using the following criteria:

1. Demonstrated ability to manufacture and/or market the armor unit technology.
2. Presentation of applicants plan to manufacture and/or market the armor unit technology.
3. Technical capability including expertise in the areas of engineering of coastal structures and/or marine heavy construction.
4. Time required to bring item to market.
5. License fee (annual fee that license is willing to pay for x number of years—royalty payments will be negotiated separately).
6. Country of origin, with preference given to U.S.-based company.
7. Small Business advantage for U.S. license.

Gregory D. Showalter,

Army Federal Register Liaison Officer.

[FR Doc. 95-11643 Filed 5-10-95; 8:45 am]

BILLING CODE 3710-08-M

DEPARTMENT OF ENERGY

Change in Location of Southport, North Carolina, Public Hearing for the Draft Environmental Impact Statement on a Proposed Nuclear Weapons Nonproliferation Policy Concerning Foreign Research Reactor Spent Nuclear Fuel

AGENCY: Department of Energy.
 ACTION: Change in Location of Southport, North Carolina, Public Hearing.

SUMMARY: The Department of Energy public hearing in Southport, North Carolina, on May 23, 1995, will be held in the Southport City Hall, 201 East Moore Street, Southport, North Carolina, 28461, (910) 457-7900. The public hearing will be held from 6:00

p.m. to 10:00 p.m. The Department had earlier announced (60 FR 19899, April 21, 1995) that this meeting would be held in the Carolina Power and Light Visitors Center, Southport, North Carolina.

Issued in Washington, DC on May 3, 1995.

Jill E. Lytle,

Deputy Assistant Secretary for Waste Management, Environmental Management.

[FR Doc. 95-11558 Filed 5-10-95; 8:45 am]

BILLING CODE 6450-01-P

Notice of Noncompetitive Financial Assistance for Cooperative Agreement Award

SUMMARY: The Department of Energy (DOE), announces that pursuant to the DOE Financial Assistance Rules 10 CFR 600.7(b)(2), it is pursuing a noncompetitive financial assistance award to Stone & Webster Engineering Corporation for the continuation of Phase II of the High Pressure Heat Exchange Project.

FOR FURTHER INFORMATION CONTACT:

Susan Borthwick, U.S. Department of Energy, Chicago Operations Office, 9800 South Cass Avenue, Argonne, IL 60439, (708) 252-2377.

SUPPLEMENTARY INFORMATION: The objective of Stone and Webster Engineering Corporation's High Pressure Heat Exchange System (HiPHES) project is to develop an advanced high pressure heat exchanger using ceramic tubes for a convective steam/methane reformer. Under this continuation of Phase II of the Cooperative Agreement the Participant will conduct the research necessary to resolve key R&D issues identified and prioritized in Phase I, participate in the testing of candidate ceramic material and candidate joints under simulated reformer conditions, bring the technology and design to the point where a prototype unit can be built and operated in Phase III, if funded, and temporarily redirect the project toward the use of ceramic tubes for ethylene production.

DOE's purpose for continuing the cooperative agreement is to enable Stone & Webster to satisfactorily complete an activity presently being funded by DOE. There are significant engineering and design challenges associated with the development of a 30 foot long ceramic-tubed steam/methane reformer. Since ethylene cracking at higher temperatures is similar to the present work in some respects, and is an easier development problem to solve, the information generated during this intermediate step will be used to help

guide the development of a steam/methane reformer.

Stone & Webster is an integrated provider of ethylene technology for the world's ethylene market. Because of Stone & Webster's leading position in the ethylene industry, new technology development, such as a more efficient furnace design, and advanced ceramic reactors, can expeditiously be incorporated into new and/or revamped ethylene plants in the U.S. and worldwide. The Stone & Webster effort is supported by a complex team of Participants (including various monolithic and ceramic composite manufacturers and consultants) with the necessary expertise, and the company has been working with DOE in the development of a higher temperature ceramic-tubed steam/methane reformer since 1988.

Eligibility for continuation of the cooperative agreement award is being restricted to Stone & Webster Engineering Corporation because of its past experience with the DOE and its unique institutional ties and expertise. The estimated cost to complete Phase II is \$1.8 million dollars. The award date is on or about May 15, 1995.

Issued in Chicago, Illinois on April 21, 1995.

Timothy S. Crawford,

Assistant Manager for Human Resources and Administration.

[FR Doc. 95-11557 Filed 5-10-95; 8:45 am]

BILLING CODE 6450-01-M

Federal Energy Regulatory Commission

[Project No. 1962-000-CA]

Pacific Gas and Electric Company; Notice of Intent to Prepare an Environmental Assessment and to Conduct a Site Visit and Two Scoping Meetings for the Rock Creek—Cresta Project

May 5, 1995.

The Federal Energy Regulatory Commission (Commission) has received an application for a new license (relicense) from the Pacific Gas and Electric Company (PG&E or applicant) for the constructed and operating Rock Creek—Cresta Project, located on the North Fork Feather River near the towns of Quincy and Oroville, in Butte, Plumas, Sutter, and Yuba Counties, California.

Upon review of the application and supplemental filings, the Commission staff has concluded that relicensing the two developments that comprise the existing project would not constitute a

major federal action significantly affecting the quality of the human environment. Consequently, staff will prepare an Environmental Assessment (EA) that describes and evaluates the probable impacts of implementing the applicant's proposed and alternative; operational and maintenance procedures; environmental enhancement measures; and improved public recreational access and facilities at the Rock Creek and Cresta Developments.

The staff's EA: will consider both site specific and cumulative environmental impacts of relicensing the project; and will include economic and financial analyses of applicant's proposed and alternative environmental enhancement measures and sediment management procedures.

A Draft EA will be issued and circulated for review by all interested parties. All comments filed on the Draft EA will be analyzed by the FERC staff and considered in a final EA.

One element of the EA process is scoping and a site visit. These activities are initiated early to:

- Identify reasonable alternative operational procedures and environmental enhancement measures that should be evaluated in the EA;
- Identify significant environmental issues related to the operation of the existing project;
- Determine the depth of analysis for issues that will be discussed in the EA; and
- Identify resource issues that are of lesser importance and, consequently, do not require detailed analysis in the EA.

Site Visit

A site visit to the Rock Creek and Cresta Developments will be held on Wednesday, June 14, 1995, starting at 9:00 A.M. at PG&E's Rodgers Flat operational headquarters, located off Highway 70 in Storrer, California. The purpose of the visit is for interested persons to observe existing area resources and site conditions, learn the locations of proposed new recreational facilities, and discuss project operational procedures with representatives of PG&E and the Commission.

For details concerning the site visit, please contact Bill Zemke of PG&E in San Francisco, California at (415) 973-1646.

Scoping Meetings

The FERC staff will conduct two scoping meetings: the evening meeting is designed to obtain input from the general public, while the morning meeting will focus on resource agency