

FORM PTO-1619A  
Expires 06/30/99  
OMB 0551-0027

U.S. Department of Commerce  
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Name (line 1)  U. S. Department of Energy

Name (line 2)

Address (line 1)  P.O. Box 808, L-293

Address (line 2)

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City

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REEL: 014621 FRAME: 0460

FORM PTO-1619B

Expires 08/30/99  
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U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

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Address (line 2) Lawrence Livermore National Laboratory

Address (line 3) P.O. Box 808 (MS-L-293)

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## Pages

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## Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)

10/445,177

If this document is being filed together with a new Patent Application, enter the date the patent application  
was

Month Day Year

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
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Signature

Date

Mr. William C. Daubenspeck, Patent Attorney  
Department of Energy, National Nuclear Security Administration  
Office of Chief Counsel, Intellectual Property Law Division  
Livermore Office, P.O. Box 808, L-376  
Livermore, CA 94550

PATENT

REEL: 014621 FRAME: 0461

*Patent Application Filed in  
the Name of the Contractor  
and the Crada Participant  
CRADA Waiver 1/12/98)*

## CONFIRMATORY LICENSE

Title: Material for Electrodes of Low Temperature  
Plasma Generators  
Inventor(s): Malcolm Caplan  
Contract Number: W-7405-ENG-48  
Contractor: Regents of the University of California  
Lawrence Livermore National Laboratory  
CRADA Number:  
CRADA Participant:

DOE Docket No.: S-97498  
Contractor Docket No.: IL-10932  
U.S. Patent Application S.N.: 10/445177  
Filing Date: 5/23/2003  
U. S. Patent No.:  
Issue Date:  
Waiver Number: W(C) 91-002

Foreign patent applications filed or intended to be filed at contractor's expense in (countries):

The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract is herewith submitted or has been submitted to the U.S. Department of Energy by certification dated June 15, 1999.

WHEREAS, the above-identified invention is a subject invention under the above-identified contract;

WHEREAS, the above-identified CRADA Class Waiver of Government rights in certain identified inventions and the above-identified contract provides the Contractor with the right to elect to retain title in certain subject inventions and the Contractor and the CRADA Participant have jointly elected to retain title in the above-identified subject invention, EXCEPT FOR a paid-up license under the above-identified contract and the above-identified waiver.

ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the above-identified invention, the above-identified patent application(s), and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention.

It is understood and agreed that this instrument does not preclude the Government from asserting rights under the provisions of the above-identified contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

Signed on behalf of: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
(Contractor)

Witness: Wendy R. Pebler  
Wendy R. Pebler, Paralegal

By: Alan H. Thompson 12/1/2003

Alan H. Thompson, Deputy Laboratory Counsel  
Counsel for Intellectual Property

Lawrence Livermore National Laboratory  
(Print/Type Contractor's Address)

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