

FORM PTO-1619  
Expires 06/30/99  
OMB 0651-0027



07-12-2002

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT



102151497

# RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

## Submission Type

☒ New

☐ Resubmission (Non-Recordation)  
Document ID# 
☐ Correction of PTO Error
Reel # Frame # 
☐ Corrective Document
Reel # Frame # 

## Conveyance Type

☐ Assignment

☐ Security Agreement

☐ License

☐ Change of Name

☐ Merger

☒ Other  Confirmatory License

U.S. Government

(For Use ONLY by U.S. Government Agencies)

☒ Departmental File

☐ Secret File

## Conveying Party(ies)

☐ Mark if additional names of conveying parties attached
Name (line 1)  California, University of

Execution Date  
Month Day Year  
10/18/01

Name (line 2) 

## Second Party

Name (line 1) 

Execution Date  
Month Day Year

Name (line 2) 

## Receiving Party

☐ Mark if additional names of receiving parties attached
Name (line 1)  U.S. Department of EnergyName (line 2) Address (line 1)  P. O. Box 808 (L-376)Address (line 2) Address (line 3)  Livermore

CA

State/Country

94550

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

## Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) 

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

REEL: 013056 FRAME: 0882

**Correspondent Name and Address**

Area Code and Telephone Number

(925) 422-4367

Name William C. Daubenspeck

Address (line 1) U.S. Department of Energy

Address (line 2) Lawrence Livermore National Laboratory

Address (line 3) P. O. Box 808 (MS L-376)

Address (line 4) Livermore, CA 94550

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 1

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

			5,517,516		

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 only if a U.S. Application Number has not been assigned.

PCT		PCT		PCT	
PCT		PCT		PCT	

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 0.00

Method of Payment:

Enclosed ☐

Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number:

#

Authorization to charge additional fees:

Yes

☐

No

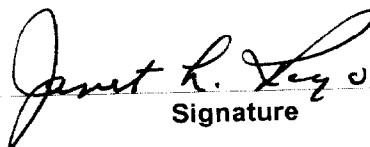
☒

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Janet L. Rego

Name of Person Signing

  
Signature

6-26-2002

Date

## CONFIRMATORY LICENSE

**Title:** Optically Pumped Cerium-Doped LiSrAlF<sub>6</sub> and  
LiCaAlF<sub>6</sub>

**Inventor(s):** Christopher D. Marshall et al.

**Contract Number:** W-7405-ENG-48

**Contractor:** University of California Lawrence  
Livermore National Laboratory

**DOE Docket No.:** S-80,054 (RL-12477)

**Contractor Docket No.:** IL-9364

**U.S. Patent Application S.N.:** 08/184,944

**Filing Date:** January 21, 1994

**U.S. Patent No.:** 5,517,616

**Issue Date:** May 14, 1996

**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 February 29, 1996.**

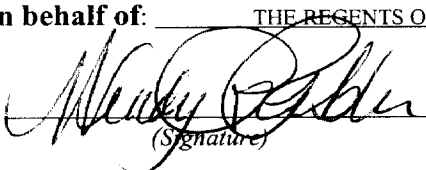
WHEREAS, the above-identified contract provides the Contractor with the right to elect to retain title in certain inventions and the Contractor has reported the above-identified invention as a subject invention under the contract, has elected to retain title therein, and has agreed to file a domestic patent application thereon, if not previously filed.

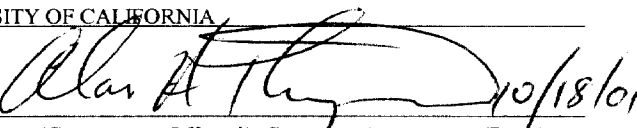
ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject 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:**   
(Signature)

**By:**  10/18/01  
(Contractor Official's Signature) (Date)

Wendy R. Pebler, Paralegal  
(Name and Title)

Alan H. Thompson, Deputy Laboratory  
(Print/Type Contractor Official's Name and Title)

Counsel for Intellectual Property

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

P. O. Box 808, L-701

Livermore, CA 94551-0808