

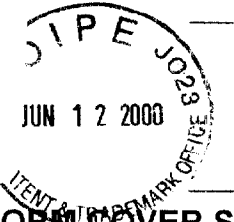
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FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

06-19-2000



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U.S. Department of Commerce  
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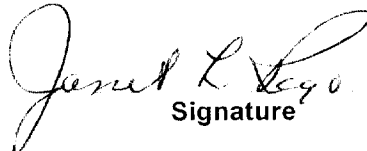
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**CONFIRMATORY LICENSE**

**Title: Blue Diode-Pumped Solid State Laser Based  
On Ytterbium-Doped Apatite Laser Crystals  
Operating On The Resonance Zero-Phonon  
Transition**

**DOE Docket No.: S-82,896 (RL-13019)  
Docket No.: IL-9672  
U.S. Patent Application S.N.: 09/187,327  
Filing Date: November 6, 1998  
Waiver No.: W(C) 92-002-347**

**Inventor(s): William F. Krupke et al.  
Contract Number: W-7405-ENG-48  
Contractor: Regents of the University of  
California**

**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 invention is a subject invention under the above-identified contract;

WHEREAS, the Class Waiver W(C) 92-002-347 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 has 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, effective March 22, 1996.

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:  2-18-99  
(Contractor Official's Signature) (Date)

Terry K. Contreras, Administrative Assistant  
(Name and Title)

Janet G. Tulk, Laboratory Counsel  
(Print/Type Contractor Official's Name and Title)

300 Lakeside Drive, 22nd Floor  
(Print/Type Contractor's Address)

Oakland, CA 94612-3550