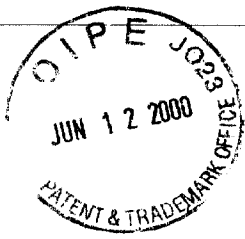


5-89514

FORM PTO-1619A
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CONFIRMATORY LICENSE

Title: Advanced Phosphors

Inventors: Xiao-Dong Xiang
Xiao-Dong Sun
Peter Schultz

DOE Docket No.: S-89,514
Contractor Docket No.: IB-1359
U.S. Patent Application S.N.: 09/016,577
Filing Date: 1/30/98

Contract Number:
Contractor:

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 October 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.

REGENTS, UNIVERSITY OF CALIFORNIA

Signed on behalf of: LAWRENCE BERKELEY NATIONAL LABORATORY
(Contractor)

Witness: 
(Signature)

By: 
(Contractor Official's Signature)


(Name and Title)

DAVID J. ASTON 3/5/99
(Print/Type Contractor Official's Name and Title)(Date)

University of California
Lawrence Berkeley National Laboratory (LBNL)
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