

FORM PTO-1619A
Expires 06/30/99
OMB 0851-0027

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

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S - 45,347

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Execution Date
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P.O. Box 1450, Alexandria, VA 22313-1450 REEL: 018260 FRAME: 0090

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

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Pages

Enter the total number of pages of the attached conveyance document
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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)

			6,384,990		

If this document is being filed together with a new Patent Application, enter the date the patent application was
signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
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has not been assigned.

PCT PCT PCT
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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

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

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Enclosed ☐Deposit Account ☐

Deposit Account

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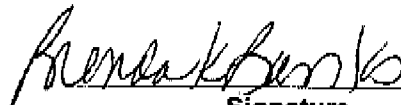
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Brenda K. Banks

Name of Person Signing



Signature

9/8/06

Date

PATENT

REEL: 018260 FRAME: 0091

09/667,224 now
pat 6,384,990
Class Waiver - Application
Assigned to Government

ASSIGNMENT AND CONFIRMATORY LICENSE

Title: Two Position Optical Element Actuator Device
Inventor(s): Fred R. Holdener, Robert D. Boyd
Contract Number: W-7405-ENG-48
Contractor Docket No: 10338B
Contractor: Regents of the University of California
 (Lawrence Livermore National Laboratory)

DOE Docket No. S-95,347
U.S. Patent Application S.N: 09/667,224
Filing Date: 09/21/2000
U.S. Patent No: 6,384,990
Issue Date: 05/07/2002
Class Waiver Number: W(C) 96-004

Foreign patent applications filed or intended to be filed at contractor's expense: None.

The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract has been previously submitted to the U.S. Department of Energy by certification dated 02/29/1996.

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

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has been assigned the entire right, title and interest in and to the above-identified invention in the United States; and

WHEREAS, a waiver of Government rights in the above-identified invention, having an effective date of 07/27/2005, has been granted to the Contractor.

NOW, in conformity with said waiver of Government rights, the Government of the United States as represented by the U.S. Department of Energy, HEREBY ASSIGNS AND TRANSFERS to the Contractor the entire right, title and interest to the above-identified invention, including the above-identified patent applications and any resulting patents, EXCEPT FOR a paid-up license under the above-identified contract and the above-identified waiver and such other rights required under 10 CFR 784 to be retained or reserved to the Government.

ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified contract governing patent rights and the above-identified waiver, 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. This instrument is also confirmatory of the rights required to be granted to the Government under 10 CFR 784 where a waiver is granted to an invention, patent application, and any resulting patent, and of all other rights reserved to the Government under 10 CFR 784.

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.

Approved and granted on behalf of the Government of the United States.

UNITED STATE DEPARTMENT OF ENERGY

By: Paul A. Gottlieb

Paul A. Gottlieb
 Assistant General Counsel for Technology
 Transfer and Intellectual Property

Date 11-21-05

Witness: Betty A. Wunch

Approved, accepted and consented to on behalf of The Regents of the University of California

Witness: Nancy J. Stone

(Signature)

Nancy J. Stone
 (Print/Type Name and Title)

By: Alan H. Thompson

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

(Date) 8/16/05

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