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

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03-29-2002

U.S. Department of Commerce

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Second Party Name (line 1) BOYD, Robert D.		Month Day Year 09/13/2000	
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**REEL: 012717 FRAME: 0836** 

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## Page 2

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

Correspondent Name and Address	Area Code and Telephone Number	202-586-2810
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ddress (line 3) 1000 Independence Avenue, S. W.		
ddress (line 4) Washington, D. C. 20585-0162		
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Patent Application Number(s)	Patent I	Number(s)
09/667224		
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Fee Amount Fee Amount	t for Properties Listed (37 CFR 3.41): \$	40.00
Method of Payment: Enclo	osed Deposit Account	
Deposit Account		
(Enter for payment by deposit account or if add	ditional fees can be charged to the account.)  Deposit Account Number: # [	01-2752
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	Authorization to charge additional lees.	Tes <b>V</b> NO
Statement and Signature		
To the best of my knowledge and b	elief, the foregoing information is true ar	nd correct and any
attached copy is a true copy of the	original document. Charges to deposit a	
indicated herein.	1.0,11	MAR 13 2002
Betty A. Winchester	/sexunder	MAR 13 2002

**REEL: 012717 FRAME: 0837** 

09/667,224 8-95347

Joint

## U.S. DEPARTMENT OF ENERGY PATENT ASSIGNMENT FORM

## WHEREAS, WE Fred R. Holdener and Robert D. Boyd.

a citizen of the <u>United States</u> , residing in <u>Tracy</u>			
county of San Joaquin State of California			
a citizen of the <u>United States</u> , residing in <u>Liverm</u>	<u>ore</u>		
County of Alameda State of California			
have invented certain new and useful improvements in TWO POSITION OPTICAL ELEMENT ACTUATOR			
DEVICE for which we are about to file an application for United States Letters Patent identified as <u>S-95347</u> ,			
executed by me on 9 13 2000; executed by	me on 9/13/2000 :		
(date signed by Holdener)	(date signed by Boyd)		

WHEREAS, the Government of the United States desires to acquire the entire right, title, and interest in and to the said invention and in and to any Letters Patent wherever they may be issued thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, We by these presents do sell, assign, and transfer unto the said Government of the United States, as represented by the United States Department of Energy, and/or its assigns, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patent wherever they may be granted thereon as well as reissues and extensions of said Letters Patent, the same to be held and enjoyed by the said Government of the United States to the full end of the term or terms for which Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by us had this assignment not been made.

We agree to make, execute, and deliver unto the Government of the United States, or to the United States Department of Energy, any and all papers, documents, affidavits, renewal, divisional and reissue applications, statements, or other instruments in such usual or other forms, terms, and contents as may be required by the United States Department of Energy, or its duly authorized representative, in or incident to the prosecution or conduct of any and all applications, before as well as after the issuance of any Letters Patent thereon, or in the adjustment or settlement of any interferences or other actions or proceedings that said applications may encounter or in which they may become involved, and We agree that We will aid the Government of the United States in every way in protecting the invention as may be requested by the United States Department of Energy or its assigns, except that any expenses arising through extending such assistance will be paid for by proper arrangement with the Government of the United States.

PATENT REEL: 012717 FRAME: 0838

WITNESS: Nandall W. Chang	INVENTOR:  Fred R. Holdener)  Date 9 13 2000
WITNESS: Nandell W. Chang	INVENTOR:  (Robert D. Boyd)  Date 9/13/2000
The Regents Approved and consented to on behalf of University	s of the of California this 19 day of Sept. xxx 2000
for the inventor(s) whose signature(s) appears above.	Signature of Contractor's Official)
WITNESS:  Sharor Rector  By	Janet G. Tulk  (Name of Contractor's Official -Type or Print)  Laboratory Counsel  (Title of Contractor's Official)
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Accepted for the Benefit of the Government of the United	
WITNESS:	By Assistant General Counsel for Intellectual Property

RECORDED: 03/13/2002

PATENT REEL: 012717 FRAME: 0839