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SANDIA CORPORATION Name: U.S. Department of Energy Internal Address: GC-62 6F-067 Additional name(s) of conveying party(les) attached?	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.			
Street Address: 1000 Independence Avenue, S.W. Street Address: 1000 Independence Avenue, S.W.		Name: U.S. Department of Energy		
□ Assignment □ Merger □ Security Agreement □ Change of Name □ Joint Research Agreement State: D.C. □ Government Interest Assignment Country: Zip: 20585-0162 ☑ Executive Order 9424, Confirmatory License Additional name(s) & address(es) attached? □ Yes ☑ □ Other Additional name(s) & address(es) attached? □ Yes ☑ 4. Application or patent number(s): □ This document is being filed together with a new application A. Patent Application No.(s) B. Patent No.(s) 11/389,660 B. Patent No.(s) 5. Name and address to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: Name: Brenda K. Banks 7. Total fee (37 CFR 1.21(h) & 3.41) \$	3. Nature of conveyance/Execution Date(s):	Street Address: 1000 Independence Avenue, S.W.		
4. Application or patent number(s): A. Patent Application No.(s) 11/389,660 Additional numbers attached? ☐ Yes ☒ No 5. Name and address to whom correspondence concerning document should be mailed: Name: Brenda K. Banks Internal Address: GC-62 6F-067 U.S. Department of Energy Street Address: 1000 Independence Avenue, S. W. This document is being filed together with a new application and patents involved: 8. Patent No.(s) 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ ☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ☐ Enclosed ☐ None required (government interest not affecting to the charge of the concerning to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to deposit account interest not affecting to the charged to the c	 ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Joint Research Agreement ☐ Government Interest Assignment ☒ Executive Order 9424, Confirmatory License 	State: <u>D.C.</u> Country:Zip: <u>20585-0162</u>		
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	Name: Brenda K. Banks Internal Address: GC-62 6F-067 U.S. Department of Energy	 □ Authorized to be charged by credit card □ Authorized to be charged to deposit account □ Enclosed 		
City: Washington A. Credit Card Last 4 Numbers State: D.C. Zip: 20585-0162 Phone Number: 202-586-2802 Expiration Date Fax Number: 202-586-2805 b. Deposit Account Number	City: Washington State: D.C. Zip: 20585-0162 Phone Number: 202-586-2802 Fax Number: 202-586-2805	Expiration Date b. Deposit Account Number		
9. Signature: Mullis Banks Signature Signature Date Brenda K. Banks Total number of pages including cover Name of Person Signing	9. Signature: Munda K. Banks Signature Brenda K. Banks	3/18/08 Date Total number of pages including		

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PATENT REEL: 020669 FRAME: 0730 03/18/2008 10:09 FAX 2025867127

→ PTO RECORDATIONS 🛭 002/002

11 3 89, 660 SD-10001.1 S106283 February 14, 2008

CONFIRMATORY LICENSE

Pat 7,329,857

Application for:

SIDE-EMITTING FIBER OPTIC POSITION SENSOR

Inventors:

Jonathan D. Weiss

Serial Number:

11/389,660

Filing Date:

3/24/2006

Contract No.:

DE-AC04-94AL85000

Contractor:

Sandia Corporation

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract certified on January 9, 1996, governing patent rights in the Subject Invention at the time the invention was made, has been submitted to the U. S. Department of Energy.

The contractor hereby confirms that under the provisions of the above-numbered 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 invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said 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.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

	day of +	
Signed this	day of +	. 2008.

Russell D. Hilliott

Director of Intellectual Property

If the invention was made under a subcontract, please identify the Prime Contractor:

__, Prime Contract No.

PATENT REEL: 020669 FRAME: 0731

RECORDED: 03/18/2008