

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

U.S. Department of Commerce  
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**PATENT**

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S-91449

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FORM PTO-1619B  
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U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

**Correspondent Name and Address**

Area Code and Telephone Number

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# 1

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Patent Application Number(s)

Patent Number(s)

6,504,859

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

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071487243 now  
SD 6270/S-91449  
February 9, 2000  
Pat 6,504,859

CONFIRMATORY LICENSE

Application for: Light Sources Based on Semiconductor Current Filaments  
Inventor(s): Fred J. Zutavern, Guillermo M. Loubrial, Malcolm T. Buttram, Alan Mar  
Wesley D. Helgeson, Martin W. O'Malley, Harold P. Hjalmarson,  
Albert G. Baca, Weng W. Chow and G. Allen Vawter  
Serial Number: 09/489243  
Filing Date: 1/21/2000  
Contract No.: DE-AC04-94AL85000  
Contractor: Sandia Corporation

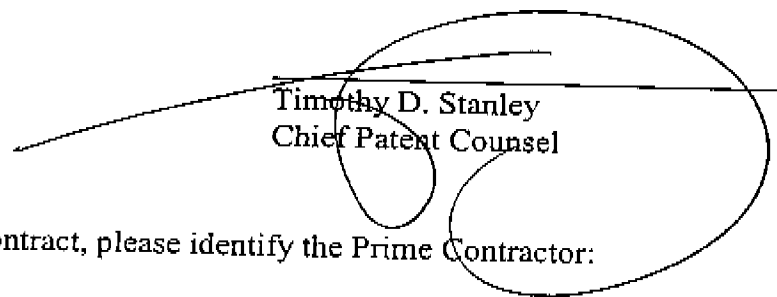
The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract certified on January 9, 1996, governing patent rights in the Subject Invention at the time the invention was made, has been submitted to the U. S. Department 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 Contract hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 9<sup>th</sup> day of Feb, 2000.

  
Timothy D. Stanley  
Chief Patent Counsel

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

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