

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

U.S. Department of Commerce  
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S-91957

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Name (line 1) U. S. Department of Energy

Name (line 2)

Address (line 1) 1000 Independence Avenue, S.W.

Address (line 2)

Address (line 3) Washington

D.C.

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20585-0162

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U.S. Department of Commerce  
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PATENT

## Correspondent Name and Address

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## Patent Application Number(s)

## Patent Number(s)

6,309,461

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Enter PCT application number  
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09/327,043 new  
SD-6326/S-91957  
September 3, 2003

Pat. 6,309,461

## CONFIRMATORY LICENSE

Application for: **CRYSTAL GROWTH AND ANNEALING METHOD AND APPARATUS**  
Inventors: **Steven E. Gianoulakis and Robert Sparrow**  
Serial Number: **09/327,043**  
Filing Date: **06/07/99**  
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.

Signed this 2nd day of Sept., 2003.

  
\_\_\_\_\_  
Russell D. Elliott  
Director of Intellectual Property

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