



08-22-2003

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Execution Date  
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**PATENT**  
REEL: 014400 FRAME: 0460

**Correspondent Name and Address**

Area Code and Telephone Number

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**Application Number(s) or Patent Number(s)**

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**Patent Application Number(s)**

**Patent Number(s)**

**09/057,127**

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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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**Number of Properties**

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**8/15/03**

09/057,127

DOE Docket No. ERID-0126-X-1  
S-90,858

### CONFIRMATORY LICENSE

Application for: Variable Thrust Cartridge  
Inventor(s): Rusi P. Taleyarkhan  
Serial No.: 09/057,127  
Filing Date (U.S.): April 8, 1998  
Contractor: Lockheed Martin Energy Research Corporation  
DOE Contract No.: DE-AC05-96OR22464

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provision of the above-numbered contract (certified on 11-8-95) 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.

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

Signed this 22 day of September, 1998.

Lockheed Martin Energy Research Corporation  
(Contractor)

By Dean A. Waters  
(Contractor's Official and Title)  
Dean A. Waters, Acting Director  
Technology Transfer

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