

PATENT ASSIGNMENT

Electronic Version v1.1  
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| SUBMISSION TYPE:   | NEW ASSIGNMENT                             |
| NATURE OF CONVEYANCE:  | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |
| CONVEYING PARTY DATA   |  |
| Name   | Execution Date                             |
| LAWRENCE LIVERMORE NATIONAL SECURITY, LLC  | 06/03/2011                                 |
| RECEIVING PARTY DATA   |  |
| Name:  | U.S. Department of Energy                  |
| Street Address:  | 1000 Independence Ave., SW                 |
| City:  | Washington                                 |
| State/Country:   | DISTRICT OF COLUMBIA                       |
| Postal Code:   | 20585                                      |
| PROPERTY NUMBERS Total: 1  |  |
| Property Type  | Number                                     |
| Application Number:  | 13048628                                   |
| CORRESPONDENCE DATA  |  |
| Fax Number:  | (202)586-7127                              |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |  |
| Phone:   | 2025862802                                 |
| Email:   | brenda.banks@hq.doe.gov                    |
| Correspondent Name:  | Brenda K. Banks                            |
| Address Line 1:  | 1000 Independence Ave.                     |
| Address Line 4:  | Washington, DISTRICT OF COLUMBIA 20585     |
| NAME OF SUBMITTER:   | Brenda K. Banks                            |
| Total Attachments: 1<br>source=S-121387#page1.tif                                    |  |

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PATENT  
REEL: 026553 FRAME: 0533

**CONFIRMATORY LICENSE**

**Title: Suppression of Stimulated Raman Scattering (SRS) in Laser Materials**

**Inventor(s): John A. Caird, Andrew James Bayramian, Christopher A. Ebbers**

**DOE Docket No.: S-121387** **Docket No./Sub: IL-12302/A**

**Contract Number: DE-AC52-07NA27344**

**U.S. Patent Application S.N.: 13/048628**

**Contractor: Lawrence Livermore National Security, LLC** **Filing Date: 03/15/11**

**Lawrence Livermore National Laboratory**

**Waiver No.: W(C) 08-001**

**Foreign patent applications filed or intended to be filed at contractor's expense in (countries):**

**The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract is herewith submitted or has been submitted to the U.S. Department of Energy by certification dated June 15, 1999.**

**WHEREAS, the above-identified invention is a subject invention under the above-identified contract;**

**WHEREAS, the above-identified Class Waiver of Government rights in certain identified inventions and the above-identified contract provides the Contractor with the right to elect to retain title in certain subject inventions and the Contractor has elected to retain title in the above-identified subject invention, EXCEPT FOR a paid-up license under the above-identified contract and the above-identified waiver;**

**ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified 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 above-identified invention, the above-identified patent application(s), and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.**

**The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention.**

**It is understood and agreed that this instrument does not preclude the Government from asserting rights under the provisions of the above-identified 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.**

**Signed on behalf of: LAWRENCE LIVERMORE NATIONAL SECURITY, LLC**

**(Contractor)**

**Witness:**

**Linda Clinkenbeard, Patent Administrator**

**By:**

**06/03/2011**

**Mark H. Lough, Deputy General Counsel  
Lawrence Livermore National Laboratory  
P.O. Box 808, L-701  
Livermore, CA 94551-0808**

**PATENT**

**RECORDED: 07/07/2011**

**REEL: 026553 FRAME: 0534**