## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT						
NATURE OF CONVE	ANCE:	ASSIGNMENT						
CONVEYING PARTY DATA								
[								
		Name Execution Date						
John A. Caird		03/04/2011						
Andrew J. Bayramian		03/04/2011						
Christopher A. Ebbers	\$	03/07/2011						
RECEIVING PARTY D	ΑΤΑ							
Name:	Lawrence Live	ermore National Security, LLC						
Street Address:	2300 First Stre	eet						
Internal Address:	Suite 204							
City:	Livermore							
State/Country:	CALIFORNIA							
Postal Code:	94551							
PROPERTY NUMBERS Total: 1 Property Type Number								
Property Ty	/pe	Number						
Property Ty Application Number:		Number 13048628						
Application Number:	DATA	13048628						
Application Number: CORRESPONDENCE Fax Number:	DATA (925)423	3-2231						
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will b</i>	DATA (925)423 pe sent via US M	13048628 						
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will b</i> Phone:	DATA (925)423 De sent via US M 9254245	13048628 5-2231 Mail when the fax attempt is unsuccessful. 957						
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will b</i>	DATA (925)423 <i>pe sent via US M</i> 9254245 clinkenbe	13048628 						
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will E</i> Phone: Email:	DATA (925)423 be sent via US M 9254245 clinkenbe LLNS	13048628 5-2231 Mail when the fax attempt is unsuccessful. 957						
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will E</i> Phone: Email: Correspondent Name:	DATA (925)423 <i>be sent via US M</i> 9254245 clinkenbe LLNS 7000 Eas	13048628 2231 <i>Mail when the fax attempt is unsuccessful.</i> 957 eard3@llnl.gov						
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will L</i> Phone: Email: Correspondent Name: Address Line 1:	DATA (925)423 pe sent via US M 9254245 clinkenbe LLNS 7000 Eas PO Box 8	13048628 5-2231 <i>Mail when the fax attempt is unsuccessful.</i> 957 eard3@llnl.gov st Avenue						
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will E</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	DATA (925)423 pe sent via US M 9254245 clinkenbe LLNS 7000 Eas PO Box 8 Livermore	13048628 9-2231 <i>Mail when the fax attempt is unsuccessful.</i> 957 eard3@llnl.gov st Avenue 808, L-703						
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will E</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	DATA (925)423 be sent via US M 92542459 clinkenbe LLNS 7000 Eas PO Box 8 Livermore NUMBER:	13048628 5-2231 <i>Mail when the fax attempt is unsuccessful.</i> 957 eard3@llnl.gov st Avenue 808, L-703 e, CALIFORNIA 94550						

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## PATENT REEL: 025960 FRAME: 0141

source=IL-12302\_rec\_and\_assign#page1.tif source=IL-12302\_rec\_and\_assign#page2.tif Form **PTO-1595** (Rev. 03-09) OMB No. 0651-0027 (exp. 03/31/2009) U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY						
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.						
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)					
	Name: Lawrence Livermore National Security, LLC					
1. John A. Caird; 2. Andrew J. Bayramian; 3. Christopher A. Ebbers	Internal Address:					
Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance/Execution Date(s):	Street Address: 2300 First Street					
Execution Date(s) <u>1. &amp; 2. 3/4/2011; 3. 3/7/2011</u>	Suite 204					
Assignment Merger						
Security Agreement Change of Name	City: Livermore					
Joint Research Agreement	State: California					
Government Interest Assignment	Country: USZip: 94550					
Executive Order 9424, Confirmatory License						
Other	Additional name(s) & address(es) attached? Yes X No					
4. Application or patent number(s):          This          A. Patent Application No.(s)	document is being filed together with a new application. B. Patent No.(s)					
13/048,628	NA					
Additional numbers att	ached? Yes XNo					
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: <u>1</u>					
Name: <u>LLNL</u>	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00					
Internal Address: P.O. Box 808, L-703						
	X Authorized to be charged to deposit account					
Street Address: 7000 East Avenue	Enclosed					
	None required (government interest not affecting title)					
City: Livermore	8. Payment Information					
State: California Zip: 94550						
Phone Number: <u>925 422-7272</u>	Dependent Account Number 199797					
Fax Number: <u>925 423-2231</u>	Deposit Account Number 120695					
Email Address: <u>clinkenbeard3@llnl.gov</u>	Authorized User Name Linda Clinkenbeard					
9. Signature: /Mark H. Lough /	March 15, 2011					
Signature	Date					
Mark H. Lough Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:					
Documents to be recorded (including cover shee	t) should be faxed to (571) 273-0140, or mailed to: f the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450					

PATENT REEL: 025960 FRAME: 0143

#### ASSIGNMENT

LLNL Case No.: IL-12302

For good and valuable consideration the receipt of which is hereby acknowledged ASSIGNOR(s)

1.	John A. Caird	2.	Andrew J. Bayramian		_
3.	Christopher A. Ebbers	4.		-	

hereby sells, assigns and transfers to ASSIGNEE, Lawrence Livermore National Security, LLC, a Delaware Corporation, having its administrative offices located at 2300 First Street, Suite 204, Livermore, CA 94550 and the successors, assigns and legal representative of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

#### Method and System For Suppression of Stimulated Raman Scattering In Laser Materials

and which is found in

U.S. patent application executed on listing the above named persons as inventors	, entitled as above and
U.S. patent application serial no. 13/048,628 , filed of	on March 15, 2011

U. S. patent no. \_\_\_\_\_\_, issued \_\_\_\_\_\_

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

<u>ASSIGNOR(S)</u> hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

<u>ASSIGNOR(S)</u> further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the <u>ASSIGNOR(S)</u> requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, Lawrence Livermore National Security, LLC.

executed this

March 4, 2011

executed this

Date

executed this

arch 7, 2011 Date

Signature of Inventor(s)

John A. Caird

Signature of Inventor(s)

Andrew J. Bayramian

Signatute of Inventor(s)

Christopher A./Ebbers

**RECORDED: 03/15/2011**