

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
The Regents of the University of California	07/10/2012
RECEIVING PARTY DATA	
Name:	Lawrence Livermore National Security, LLC
Street Address:	2300 First Street
Internal Address:	Suite 204
City:	Livermore
State/Country:	CALIFORNIA
Postal Code:	94550
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	6858962
CORRESPONDENCE DATA	
Fax Number:	(925)423-2231
Phone:	925-422-7272
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Lawrence Livermore National Laboratory
Address Line 1:	7000 East Avenue
Address Line 2:	L-703, P.O. Box 808
Address Line 4:	Livermore, CALIFORNIA 94551
ATTORNEY DOCKET NUMBER:	IL-10622
NAME OF SUBMITTER:	Mark H. Lough
Total Attachments: 4 source=IL-10622 LLNS Patent Assignment#page1.tif source=IL-10622 LLNS Patent Assignment#page2.tif source=IL-10622 LLNS Patent Assignment#page3.tif source=IL-10622 LLNS Patent Assignment#page4.tif	

CH \$40.00 6858962

WORLD-WIDE ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, The Regents of the University of California, a California corporation having its statewide administrative offices at 1111 Franklin Street, Oakland, CA 94607-5200, hereinafter referred to as "ASSIGNOR," hereby sells, conveys, assigns and transfers to Lawrence Livermore National Security, LLC, having offices at 2300 First Street, Suite 204, Livermore, CA 94550, hereinafter referred to as "ASSIGNEE," ASSIGNOR'S entire right, title and interest in and to the following:

- (a) any provisional or non-provisional patent application or patent identified in the attached Schedule;
- (b) any continuation or divisional patent application entitled to the priority date of an application or patent identified in the attached Schedule;
- (c) any continuation-in-part or substitute application based on a patent application or patent described in (a) or (b) above, but only with regard to and to the extent of subject matter that either:
 - (i) is described in and entitled to the priority date of an application or patent identified in (a) or (b) above; or
 - (ii) is described in a continuation-in-part or substitute application filed prior to October 1, 2007 and based on an application or patent described in (a) or (b) above; or
 - (iii) was conceived or actually reduced to practice prior to October 1, 2007;
- (d) any patent already issued as of the effective date of this Assignment or issued after the date of this Assignment from an application described in (a) or (b) above, or from an application described in (c) above but subject to the same limitations as set forth in (c) above;
- (e) any patent resulting from extension, renewal, reinstatement, reissue or re-examination, or any interference, opposition, or judicial proceeding, directed to a patent application or patent described above; and
- (f) any foreign equivalent or counterpart of an application or patent described above.

This Assignment is subject to the terms of Contract No. W-7405-ENG-48 between ASSIGNOR and the National Nuclear Security Administration of the U.S. Department of Energy (DOE), and is subject to any license granted by ASSIGNOR under said Contract to the U.S. Government or to any third party pursuant to any license agreement, option agreement or other agreement.

ASSIGNOR and ASSIGNEE each covenant that they will, upon request, provide each other promptly with information and documents relating to inventions, inventors, and other information pertinent to patent applications, patents and legal equivalents thereof covered by this Assignment, to the extent known and accessible to them, and will cooperate and testify as to the same in any interference, litigation or proceeding related thereto; and ASSIGNOR will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce such applications, patents and legal equivalents, as may be necessary or desirable to carry out the purposes thereof.

ASSIGNEE hereby assumes responsibility for prosecution and maintenance of applications and patents conveyed by this Assignment, including costs and expenses of

prosecuting U.S. and non-U.S. patent applications conveyed by this Assignment, any U.S or non-U.S. administrative or judicial proceedings or litigation involving patent applications, patents or legal equivalents conveyed by this Assignment, and any maintenance or renewal costs associated with same, including costs and expenses incurred by ASSIGNEE prior to as well as subsequent to the date of this Assignment.

ASSIGNOR hereby grants to ASSIGNEE and its attorneys the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules or requirements of the U.S. Patent and Trademark office, or any other non-U.S. patent office, for recordation of this Assignment.

This Assignment shall be effective as of the latter of the dates on which it is executed by ASSIGNOR and ASSIGNEE.

By: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Date: July 10, 2012

By: William T. Tucker
Name: William T. Tucker
Title: Exec. Dir., Innovation Alliances and Services

State of California

ss.

County of Alameda

On 7/10/12 before me, Annette Hayes, notary, personally appeared:
William T. Tucker

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

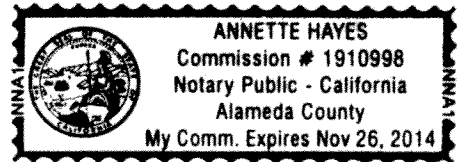
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal

Notary Public Signature:

Annette Hayes

Notary Public Seal:



Agreed and Accepted By:

LAWRENCE LIVERMORE NATIONAL SECURITY, LLC

Date: July 3, 2012

By: [Signature]
Name: Mark H. Lough
Title: Deputy General Counsel

State of CA)

ss.

County of Alameda)

On 7-3-12 before me, Kathleen C Quinon Phillips, notary, personally appeared:
Mark H Lough

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal

Notary Public Signature:

Notary Public Seal:

[Signature: Kathleen C Quinon Phillips]

