

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4700818

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	12/19/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LOS ALAMOS NATIONAL SECURITY, LLC
<b>Street Address:</b>	LOS ALAMOS NATIONAL LABORATORY
<b>Internal Address:</b>	PO BOX 1663, MS A187
<b>City:</b>	LOS ALAMOS
<b>State/Country:</b>	NEW MEXICO
<b>Postal Code:</b>	87547
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15098873
<b>Application Number:</b>	14482111
<b>Application Number:</b>	13295934
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	100241.000059
<b>NAME OF SUBMITTER:</b>	FAITH A. POORE
<b>SIGNATURE:</b>	/Faith A. Poore/
<b>DATE SIGNED:</b>	11/22/2017
<b>Total Attachments: 2</b>	
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source=Assignment_executed_Regents_to_LANL#page2.tif	

Rev. 04/03/2006

**ASSIGNMENT**

DOE S-109,127

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR,

The Regents of the University of California  
1111 Franklin Street, Fifth Floor, Oakland, CA 94607-5200

The previous assignment of which was Recorded on July 30, 2007,  
Reel 019677, Frame 0781

hereby sells, assigns and transfers

to ASSIGNEE, Los Alamos National Security, LLC, a Delaware Corporation, having its statewide administrative offices located at Los Alamos National Laboratory, LC/IP, Los Alamos, New Mexico 87545, and the successors, assigns and legal representatives of the ASSIGNEE

- its entire right, title and interest
- an undivided fifty percent (50%) interest
- an undivided \_\_\_\_\_ percent (\_\_\_%) interest

for the United States and its territorial possessions

and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention titled:

Name of Inventors: Michael D. Ward and Gregory Kaduchak

and which is found in

- (a)  U.S. application Serial No. 11/784,928, filed on April 9, 2007.
- (b)  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;

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

**ASSIGNOR** hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

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**ASSIGNOR** 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 related thereto and 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 said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

**AND** the **ASSIGNOR** 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**, Los Alamos National Security, LLC.

executed this

Signature of Assignor

19<sup>th</sup> day of Dec., 2007

Bruce H. Cottrell  
Bruce H. Cottrell  
IP Practice Group Leader