## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Zhehui Wang	07/28/2010
Christopher Morris	07/29/2010
Jeffrey Darnell Bacon	07/27/2010
Mark F. Makela	07/22/2010
Randy Jay Spaulding	07/22/2010

#### **RECEIVING PARTY DATA**

Name:	Los Alamos National Security, LLC
Street Address:	Los Alamos National Laboratory
Internal Address:	LC-IP, MS A187
City:	Los Alamos
State/Country:	NEW MEXICO
Postal Code:	87545

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12797414

## **CORRESPONDENCE DATA**

501269490

Fax Number: (505)665-4424

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

505-667-3766 Phone: Email: kmikus@lanl.gov

Correspondent Name: LOS ALAMOS NATIONAL SECURITY, LLC Address Line 1: LOS ALAMOS NATIONAL LABORATORY

PPO. BOX 1663, LC/IP, MS A187 Address Line 2: Address Line 4: LOS ALAMOS, NEW MEXICO 87545

ATTORNEY DOCKET NUMBER: S-116,324

**PATENT** 

REEL: 024872 FRAME: 0619

NAME OF SUBMITTER:	Juliet A. Jones
Total Attachments: 6 source=116324ASSIGNMENT#page1.tif source=116324ASSIGNMENT#page2.tif source=116324ASSIGNMENT#page3.tif source=116324ASSIGNMENT#page4.tif source=116324ASSIGNMENT#page5.tif source=116324ASSIGNMENT#page6.tif	

PATENT REEL: 024872 FRAME: 0620

Rev. 01/30/04

#### **ASSIGNMENT**

### DOE S-116,324

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

1. Zhehui Wang 2. Christopher Morris 3. Jeffrey Darnell Bacon

4. Mark F. Makela 5. Randy Jay Spaulding

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 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 titled:

and which is found in

(a)	$\boxtimes$	U.S. patent application executed on <u>July 29, 2010</u> entitled as above and listing the above-named person(s) as inventor(s)
(b)	$\boxtimes$	U.S. application Serial No. <u>12/797,414</u> , filed on <u>06/09/2010</u> .
(c)		U.S. Patent No, issued
(d)		U.S. provisional application filed on, entitled as above and listing the above-named person(s) as inventor(s)

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;

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

ASSIGNOR(S) 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 filling date and serial number of said application when officially known.

PATENT REEL: 024872 FRAME: 0621

executed this	Signature of Inventor(s)
28th day of July , 2010	1/42
<b>V</b>	Zhéhy//Wang 🔾
day of, 2010	Christenhor Marris
	Christopher Morris
day of , 2010	Jeffrey Damell Bacon
	definer batter
day of, 2010	Mark F. Makela
day of , 2010	Randy Jay Spaulding

executed this	Signature of Inventor(s)
day of , 2010	Zhehui Wang
79 day of July, 2010	Christopher Morris
day of, 2010	Jeffrey Darnell Bacon
day of, 2010	Mark F. Makela
day of , 2010	Randy Jay Spaulding

REEL: 024872 FRAME: 0623

executed this		Signature of Inventor(s)
day of	, 2010	Zhehui Wang
day of	, 2010	Christopher Morris
27 day of $JuL$	, 2010	Jeffrey Darnell Bacon
day of	, 2010	Mark F. Makela
day of	, 2010	Randy Jay Spaulding

executed this		Signature of Inventor(s)
day of	, 2010	
		Zhehui Wang
day of	_, 2010	
		Christopher Morris
day of	, 2010	Infference Description
	•	Jeffrey Darnell Bacon
22 day of July	_, 2010	Mark F. Makela
day of	<b>, 2010</b> .	Randy Jay Spaulding
		nanuy Jay Spauluing

executed this	Signature of Inventor(s)
day of , 201	Zhehuí Wang
day of, 201	0 Christopher Morris
day of , 201	0 Jeffrey Darnell Bacon
day of, 201	0 Mark F. Makela
22 day of July , 201	0 Randy Jay Spaulding