#### 504223373 02/10/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4270050

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
GARY GRIDER	01/12/2017

### **RECEIVING PARTY DATA**

Name:	LOS ALAMOS NATIONAL SECURITY, LLC		
Street Address:	P. O. BOX 1663		
Internal Address:	LOS ALAMOS NATIONAL LABORATORY LC/TAS		
City:	LOS ALAMOS		
State/Country:	NEW MEXICO		
Postal Code:	87545		

### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	14965257	

#### CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	S-133351 EMC-15-0732	
NAME OF SUBMITTER:	KEVIN M. MASON	
SIGNATURE:	/Kevin M. Mason/	
DATE SIGNED:	02/10/2017	

**Total Attachments: 2** 

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**PATENT REEL: 041228 FRAME: 0510** 504223373

FORM PTO-1595 REG	RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE			
(Rev.6-93)	PATENTS ONLY		Patent and Trademark Office			
To the Honorable Commiss	sioner of Patents and Trademarks:	Please record the attached original docu	ments or copy thereof.			
1. Name of conveying party(ies): Gary Grider		2. Name and address of receiving party(ies)				
Additional name(s) of conveying pattached?	party(ies)	Name: Los Alamos National Security, LLC				
Yes X No		Internal Address: Los LC/TAS	S Alamos National Laboratory,			
3. Nature of conveyance:  X Assignment Merger  Security Agreement Change of Name  Other		Street Address: P. O.	Box 1663			
		City: Los Alamos State: NM ZIP: 87545				
Execution Date: 1/12/2017		Additional name(s) & addre	ss(es) attached?Yes <u>X</u> No			
<ul> <li>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 14/965,257 Filed December 10, 2015 B. Patent No.(s)</li> </ul>						
Additional numbers attached	? _ Yes <u>X</u> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Kevin M. Mason Internal Address: Ryan, Mason & Lewis, LLP	6. Total number of applications and patents involved: <u>1</u>					
	7. Total Fee (37 CFR 3  Enclosed Authorized to be	3.41) \$ <u>0.00</u> charged to deposit account				
Street Address: 1175 Post Road East, 2 <sup>nd</sup> Floor City: Westport State: CT ZIP: 06880		8. Deposit account number 50-0762				
DO NOT USE THIS SI	PACE	ov Deposit decodite ital				
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.						
Kevin M. Mason			February 10, 2017			
Reg. No. 36,597	Signature Date					
Tots	al number of pages including cover	sheet, attachments, and document: $\underline{2}$				
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Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks						
Public burden reporting for this sample cover sheet is esti data needed, and completing and reviewing the sample co Systems, PK2-1000C. Washington, DC. 20231, and to the	Washingto mated to average about 30 minutes ver sheet. Send comments regardin	ng this burden estimate to the U.S. Patent	and Trademark Office, Office of Information			

S-133,351 – EMC-15-0732

#### **ASSIGNMENT**

DOE <u>\$133351</u> <u>EMC-15-0732</u>

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

1. Gary Grider

hereby sell, assign and transfers to ASSIGNEE, Los Alamos National Security, LLC, a Delaware Limited Liability Company, located at the Los Alamos National Laboratory, LC/TAS, P.O. Box 1663, Los Alamos, New Mexico 87545, and the successors, assigns and legal representatives of the ASSIGNEE all of its rights, 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:

# DISTRIBUTED METADATA SERVERS IN A FILE SYSTEM WITH SEPARATE METADATA SERVERS FOR FILE METADATA AND DIRECTORY METADATA

And which is found in

U.S. Patent Application No. 14/965,257, filed on December 10, 2015

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;

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

ASSIGNORS further covenant 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.

AND the ASSIGNORS request 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 Inventor(s)

day of <u>76.1</u> , 2017

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Gary Grider

PATENT \*\*
REEL: 041228 FRAME: 0512

**RECORDED: 02/10/2017**