

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|--|-----------------------------------|---------------|-----------------------------------|---------------------|--------------------------------|--------------------|------------|-------|------------|----------------|------------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mark J. Hagmann</td> <td>12/21/2012</td> </tr> <tr> <td>Dmitry A. Yarotski</td> <td>12/18/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Mark J. Hagmann | 12/21/2012 | Dmitry A. Yarotski | 12/18/2012 | | | | | | |
| Name | Execution Date | | | | | | | | | | | | |
| Mark J. Hagmann | 12/21/2012 | | | | | | | | | | | | |
| Dmitry A. Yarotski | 12/18/2012 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>LOS ALAMOS NATIONAL SECURITY, LLC</td> </tr> <tr> <td>Street Address:</td> <td>Los Alamos National Laboratory</td> </tr> <tr> <td>Internal Address:</td> <td>LC/IP</td> </tr> <tr> <td>City:</td> <td>Los Alamos</td> </tr> <tr> <td>State/Country:</td> <td>NEW MEXICO</td> </tr> <tr> <td>Postal Code:</td> <td>87545</td> </tr> </table> | | Name: | LOS ALAMOS NATIONAL SECURITY, LLC | Street Address: | Los Alamos National Laboratory | Internal Address: | LC/IP | City: | Los Alamos | State/Country: | NEW MEXICO | Postal Code: | 87545 |
| Name: | LOS ALAMOS NATIONAL SECURITY, LLC | | | | | | | | | | | | |
| Street Address: | Los Alamos National Laboratory | | | | | | | | | | | | |
| Internal Address: | LC/IP | | | | | | | | | | | | |
| City: | Los Alamos | | | | | | | | | | | | |
| State/Country: | NEW MEXICO | | | | | | | | | | | | |
| Postal Code: | 87545 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13625780</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13625780 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 13625780 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: 9704921101 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 970-492-1100 Email: pamc@patentlegal.com Correspondent Name: COCHRAN FREUND & YOUNG LLC Address Line 1: 2026 Caribou Drive Address Line 2: Suite 201 Address Line 4: Fort Collins, COLORADO 80525</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | LANS.33USU1; S-129,150 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Pamela Calderwood | | | | | | | | | | | | |
| <p>Total Attachments: 3 source=LANS33USU1_Assignment#page1.tif source=LANS33USU1_Assignment#page2.tif source=LANS33USU1_Assignment#page3.tif</p> | | | | | | | | | | | | | |

CH \$40.00 13625780

ASSIGNMENT

LANS.33USU1; S-129,150

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

1. Mark J. Hagmann
2. Dmitry A. Yarotski

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:

GENERATION OF A FREQUENCY COMB AND APPLICATIONS THEREOF

and which is found in

- (a) ☐ U.S. patent application executed on _____, entitled as above and listing the above-named person(s) as inventor(s)
- (b) ☒ U.S. application Serial No. 13/625,780 filed on September 24, 2012
- (c) ☐ U.S. Patent No. _____, issued _____.
- (d) ☒ U.S. provisional application filed on September 22, 2011, 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 filing date and serial number of said application when officially known.

AND the ASSIGNOR(S) 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

21 day of December, 2012

Signature of Inventor


Mark J. Hagmann

executed this

____ day of _____, _____

Signature of Inventor

Dmitry A. Yarotski

executed this

_____ day of _____, _____


Signature of Inventor

Mark J. Hagmann

executed this

18 day of December, 2012

Signature of Inventor



Dmitry A. Yarotski