

## 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>Kalyan V. Vasudevan</td> <td>03/14/2012</td> </tr> <tr> <td>Nickolaus A. Smith</td> <td>03/14/2012</td> </tr> <tr> <td>John C. Gordon</td> <td>03/14/2012</td> </tr> <tr> <td>Edward A. McKigney</td> <td>03/14/2012</td> </tr> <tr> <td>Ross E. Muenchausen</td> <td>03/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kalyan V. Vasudevan	03/14/2012	Nickolaus A. Smith	03/14/2012	John C. Gordon	03/14/2012	Edward A. McKigney	03/14/2012	Ross E. Muenchausen	03/14/2012
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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													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13420159</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13420159								
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Application Number:	13420159												
CORRESPONDENCE DATA													
Fax Number:	(505)665-4424												
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Email:	kmikus@lanl.gov												
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Correspondent Name:	LOS ALAMOS NATIONAL SECURITY, LLC												
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Address Line 4:	LOS ALAMOS, NEW MEXICO 87545												
ATTORNEY DOCKET NUMBER:	S-121,707												

CH \$40.00 13420159

NAME OF SUBMITTER:

Samuel L. Borkowsky

Total Attachments: 2

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**ASSIGNMENT**

DOE S-121,707

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

1. Kalyan V. Vasudevan
2. Nickolaus A. Smith
3. John C. Gordon
4. Edward A McKigney
5. Ross E. Muenchausen

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:

**PREPARATION OF CERIUM HALIDE SOLVATE COMPLEXES**

and which is found in

- (a)  new U.S. patent application entitled as above and listing the above-named person(s) as inventor(s)
- (b)  U.S. application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.
- (c)  U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_.
- (d)  U.S. provisional application filed on March 14, 2011, June 22, 2011, and August 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.

S-121,707

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

14<sup>TH</sup> day of MARCH, 2012

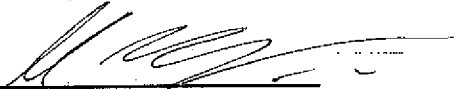
14<sup>TH</sup> day of March, 2012


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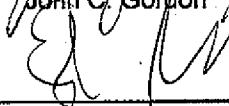
14<sup>TH</sup> day of MARCH, 2012

Signature of Inventor(s)

  
Kalyan V. Vasudevan

  
Nikolaus A. Smith

  
John C. Gordon

  
Edward A. McKigney

  
Ross E. Muenchausen