

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Qing Li</td> <td>09/05/2013</td> </tr> <tr> <td>Piotr Zelenay</td> <td>09/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	Qing Li	09/05/2013	Piotr Zelenay	09/04/2013
Name	Execution Date						
Qing Li	09/05/2013						
Piotr Zelenay	09/04/2013						
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>13840831</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13840831		
Property Type	Number						
Application Number:	13840831						
CORRESPONDENCE DATA							
Fax Number:	5056654424						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	505-665-3111						
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Address Line 1:	Los Alamos National Laboratory						
Address Line 2:	LC/IP MS A187						
Address Line 4:	Los Alamos, NEW MEXICO 87545						
ATTORNEY DOCKET NUMBER:	S-129,411						
NAME OF SUBMITTER:	Samuel L. Borkowsky						
Signature:	/Samuel L. Borkowsky/						

Date:

09/09/2013

Total Attachments: 4

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ASSIGNMENT

DOE S-129.411

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

1. Qing Li
2. Piotr Zelenay

hereby sells, assigns and transfers to ASSIGNEE, Los Alamos National Security, LLC, a Delaware Limited Liability Company, 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:

CATALYTIC OXIDATION OF DIMETHYL ETHER

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. 13/840,831, filed on March 15, 2013.
- (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 filing date and serial number of said application when officially known.

S-129,411

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

5th day of September, 2013

_____ day of _____

Signature of Inventor(s)

Qing Li
Qing Li

Piotr Zelenay

ASSIGNMENT

DOE S-129,411

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

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executed this

Signature of Inventor(s)

_____ day of _____, _____

4th day of September, 2013

Qing Li

Piotr Zelenay

Piotr Zelenay