

PATENT ASSIGNMENT

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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>Nobuhiro Fuke</td> <td>10/14/2011</td> </tr> <tr> <td>Alexey Y. Kiposov</td> <td>10/14/2011</td> </tr> <tr> <td>Milan Sykora</td> <td>10/14/2011</td> </tr> <tr> <td>Laura Hoch</td> <td>10/18/2011</td> </tr> </tbody> </table>		Name	Execution Date	Nobuhiro Fuke	10/14/2011	Alexey Y. Kiposov	10/14/2011	Milan Sykora	10/14/2011	Laura Hoch	10/18/2011		
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<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>PO. BOX 1663, LC/IP, MS A187</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:	PO. BOX 1663, LC/IP, MS A187	City:	Los Alamos	State/Country:	NEW MEXICO	Postal Code:	87545
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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>13274071</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13274071								
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CORRESPONDENCE DATA													
<p>Fax Number: (505)665-4424</p> <p>Phone: 505-667-3766</p> <p>Email: kmikus@lanl.gov</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: LOS ALAMOS NATIONAL SECURITY, LLC</p> <p>Address Line 1: LOS ALAMOS NATIONAL SECURITY, LLC</p> <p>Address Line 2: PO. BOX 1663, LC/IP, MS A187</p> <p>Address Line 4: LOS ALAMOS, NEW MEXICO 87545</p>													
ATTORNEY DOCKET NUMBER:	S-121,338												
NAME OF SUBMITTER:	Samuel L. Borkowsky												
<p>Total Attachments: 3</p> <p>source=121338ASSIGNMENT#page1.tif</p> <p>source=121338ASSIGNMENT#page2.tif</p> <p>source=121338ASSIGNMENT#page3.tif</p>													

CH \$40.00 13274071

PATENT

ASSIGNMENT

DOE S-121,338

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

1. Nobuhiro Fuke
2. Alexey Y. Kopusov
3. Milan Sykora
4. Laura Hoch

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:

COMPOSITE MATERIALS WITH METAL OXIDE ATTACHED TO LEAD CHALCOGENIDE
NANOCRYSTAL QUANTUM DOTS WITH LINKERS

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. 13/274,071, filed on October 14, 2011.
- (c) ☐ U.S. Patent No. _____, issued _____.
- (d) ☒ U.S. provisional application filed on October 15, 2010, 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.

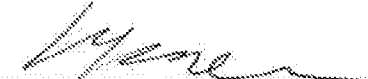
executed this

Signature of Inventor(s)

14 day of Oct, 2011


Nobuhiro Fuke

14 day of October, 2011


Alexey Y. Kopolov

14 day of October, 2011


Milan Sykora

_____ day of _____, 2011

Laura Hoch

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

Signature of Inventor(s)

_____ day of _____, 2011

Nobuhiro Fuke

_____ day of _____, 2011

Alexey Y. Kopolov

_____ day of _____, 2011

Milan Sykora

18 day of October, 2011



Laura Hoch