

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>Jun Liu</td> <td>02/22/2011</td> </tr> <tr> <td>John P. Lemmon</td> <td>02/08/2011</td> </tr> <tr> <td>Zhenguo Yang</td> <td>01/27/2011</td> </tr> <tr> <td>Yuliang Cao</td> <td>01/27/2011</td> </tr> <tr> <td>Xiaolin Li</td> <td>02/01/2011</td> </tr> </tbody> </table>		Name	Execution Date	Jun Liu	02/22/2011	John P. Lemmon	02/08/2011	Zhenguo Yang	01/27/2011	Yuliang Cao	01/27/2011	Xiaolin Li	02/01/2011
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RECEIVING PARTY DATA													
Name:	Battelle Memorial Institute												
Street Address:	P.O. Box 999, M/S K1-53												
Internal Address:	Intellectual Property Legal Services												
City:	Richland												
State/Country:	WASHINGTON												
Postal Code:	99352												
PROPERTY NUMBERS Total: 2													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>61390945</td> </tr> <tr> <td>Application Number:</td> <td>13023241</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	61390945	Application Number:	13023241						
Property Type	Number												
Application Number:	61390945												
Application Number:	13023241												
CORRESPONDENCE DATA													
Fax Number:	5035955301												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	503-595-5300												
Email:	cynthia.failla@klarquist.com												
Correspondent Name:	Lisa Caldwell, Klarquist Sparkman, LLP												
Address Line 1:	121 SW Salmon Street, Suite 1600												
Address Line 2:	One World Trade Center												
Address Line 4:	Portland, OREGON 97204-2988												
ATTORNEY DOCKET NUMBER:	23-90633-01												

PATENT

NAME OF SUBMITTER:

Lisa M. Caldwell

Total Attachments: 7

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ASSIGNMENT OF PATENT RIGHTS

Jun Liu
John P. Lemmon
Zhenguo Yang
Yuliang Cao
Xiaolin Li

To
Battelle Memorial Institute

WHEREAS, we, Jun Liu of Richland, County of Benton, State of Washington, John P. Lemmon of Kennewick, County of Benton, State of Washington, Zhenguo Yang of Richland, County of Benton, State of Washington, Yuliang Cao of Richland, County of Benton, State of Washington, and Xiaolin Li of Richland, County of Benton, State of Washington; hereinafter INVENTORS, have made certain inventions related to, **Graphene-Sulfur Nanocomposites for Rechargeable Lithium-Sulfur Battery Electrodes**, including those, described and claimed in various disclosures including:

U.S. Provisional Application No. 61/390,945, filed October 7, 2010 Entitled: **Graphene-Sulfur Nanocomposites for Lithium-Sulfur Batteries**; and

U.S. Patent Application No. 13/023,241, filed February 8, 2011 Entitled: **Graphene-Sulfur Nanocomposites for Rechargeable Lithium-Sulfur Battery Electrodes**

For which we are about to make application for Letters Patent of the United States; collectively referred to hereinafter as INVENTIONS;

WHEREAS Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, and having a place of business in the City of Richland, Washington, is desirous of acquiring all right, title, and interest in the said INVENTIONS and in all patents or patent applications sought or obtained therefor;

NOW, THEREFORE, be it known to all those who may be concerned, that for and in consideration of the sum of One Dollar (\$1.00) each, and other good and valuable considerations, the receipt of which is hereby acknowledged, We the INVENTORS have each sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the said Battelle Memorial Institute, the entire right, title, and interest in and to the INVENTIONS shown, described, or claimed herein, and the full and exclusive right, title, and interest to any and all patents and patent applications that show, describe or claim said INVENTIONS including but not limited to those applications referenced herein, and in and to any extensions, continuations, including continuations in part, reissues, divisions, or renewals thereof; and We each do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them to the said Battelle Memorial Institute, as the assignee of my entire right, title, and interest in and to the same for the sole use and benefit of the said Battelle Memorial Institute, and its successors or assigns.

We each further covenant and agree that we each will, at the request and expense of the said Battelle Memorial Institute, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; and that each of us will, at the request and expense of the said Battelle Memorial Institute, execute such application papers as may be desired by the said Battelle Memorial Institute, for the filing of any division or renewal of the application herein conveyed, or for reissues or extensions (including continuations or continuations in part applications), or any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Battelle Memorial Institute.

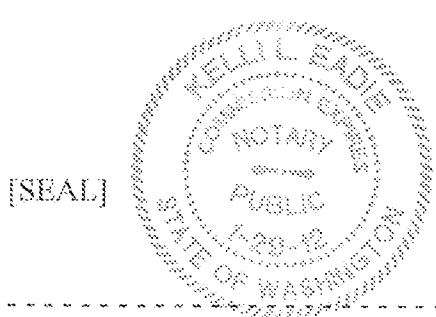
We each further assign unto the said Battelle Memorial Institute, the whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Battelle Memorial Institute to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of International Conventions and agree to execute applications of the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefor to the said Battelle Memorial Institute, the assignee herein, as well as all other necessary papers.

Executed at Richland, State of Washington, this 2nd day of Feb. 2011,
day of Feb. 2011

[Signature]
Jun Liu

STATE OF WASHINGTON)
) ss.
County of Benton)

This 2nd day of February, 2011, before me personally came the above-named Jun Liu who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



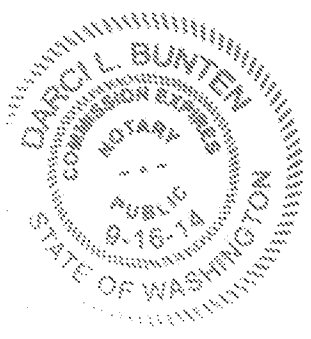
[Signature]
Notary Public for the State of Washington.
My commission expires: 1/29/12

Executed at Richland, State of Washington, this 8th day of February, 2011.

[Signature]
John P. Lemmon

STATE OF WASHINGTON)
) ss.
County of Benton)

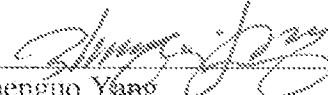
This 8th day of February, 2011, before me personally came the above-named John P. Lemmon who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[SEAL]

[Signature]
Notary Public for the State of Washington.
My commission expires: 9/16/14

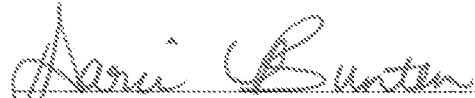
Executed at Richland, State of Washington, this 27 day of Jan, 2011.



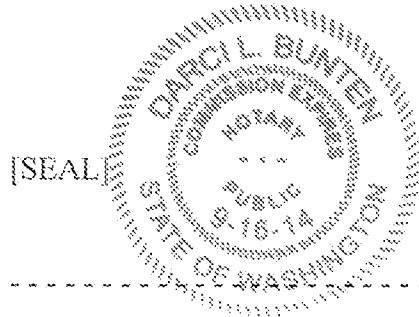
Zhenguo Yang

STATE OF WASHINGTON)
) ss.
County of Benton)

This 27 day of January, 2011, before me personally came the above-named Zhenguo Yang who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



Notary Public for the State of Washington.
My commission expires: 9/16/14



Executed at Richland, State of Washington, this 27th day of January, 2011.

Yuliang Cao

Yuliang Cao

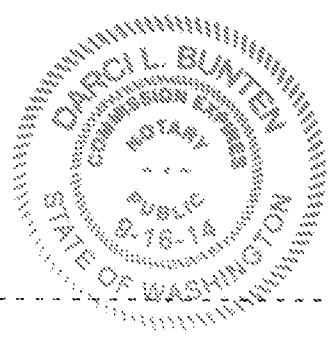
STATE OF WASHINGTON)
) ss.
County of Benton)

This 27th day of January, 2011, before me personally came the above-named Yuliang Cao who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Darcel L. Buntin

Notary Public for the State of Washington.
My commission expires: 9/16/14

[SEAL]



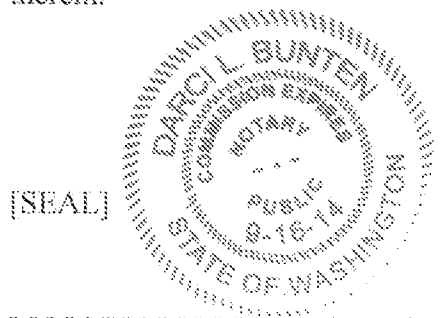
Executed at Richland, State of Washington, this 1st day of February, 2011.

Xiaolin Li

Xiaolin Li

STATE OF WASHINGTON)
) ss.
County of Benton)

This 1st day of February, 2011, before me personally came the above-named Xiaolin Li who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



Darci L. Buntin

Notary Public for the State of Washington.
My commission expires: 9/18/14.