

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2968580

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIE XIAO	07/21/2014
JIGUANG ZHENG	07/28/2014
GORDON L GRAFF	07/21/2014
JUN LIU	07/23/2014
WEI WANG	07/21/2014
JIANMING ZHENG	07/02/2014
WU XU	07/07/2014
YUYAN SHAO	07/01/2014
ZHENGUO YANG	07/10/2014
RECEIVING PARTY DATA	
Name:	BATTELLE MEMORIAL INSTITUTE
Street Address:	P.O. BOX 999
Internal Address:	M/S K1-53
City:	RICHLAND
State/Country:	WASHINGTON
Postal Code:	99352
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13432166
CORRESPONDENCE DATA	
Fax Number:	(509)375-4487
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	509-375-6866
Email:	ipdocket@pnnl.gov
Correspondent Name:	BATTELLE MEMORIAL INSTITUTE
Address Line 1:	P.O. BOX 999
Address Line 2:	M/S K1-53
Address Line 4:	RICHLAND, WASHINGTON 99352
NAME OF SUBMITTER:	ALLAN C. TUAN

PATENT

SIGNATURE:	/Allan C. Tuan/
DATE SIGNED:	08/05/2014
Total Attachments: 11 source=Executed Assignment Corrected 17026-E#page1.tif source=Executed Assignment Corrected 17026-E#page2.tif source=Executed Assignment Corrected 17026-E#page3.tif source=Executed Assignment Corrected 17026-E#page4.tif source=Executed Assignment Corrected 17026-E#page5.tif source=Executed Assignment Corrected 17026-E#page6.tif source=Executed Assignment Corrected 17026-E#page7.tif source=Executed Assignment Corrected 17026-E#page8.tif source=Executed Assignment Corrected 17026-E#page9.tif source=Executed Assignment Corrected 17026-E#page10.tif source=Executed Assignment Corrected 17026-E#page11.tif	

ASSIGNMENT OF PATENT RIGHTS

Jie Xiao
Jiguang Zhang
Gordon L. Graff
Jun Liu
Wei Wang
Jianming Zheng
Wu Xu
Yuyan Shao
Zhenguo Yang

To
Battelle Memorial Institute

WHEREAS, we, Jie Xiao of Richland, County of Benton, State of Washington, Jiguang Zhang of Richland, County of Benton, State of Washington, Gordon L. Graff of West Richland, County of Benton, State of Washington, Jun Liu of Richland, County of Benton, State of Washington, Wei Wang of Kennewick, County of Benton, State of Washington, Jianming Zheng of Richland, County of Benton, State of Washington, Wu Xu of Richland, County of Benton, State of Washington, and Yuyan Shao of Richland, County of Benton, State of Washington; hereinafter INVENTORS, have made certain inventions related to, **Energy Storage Systems Having an Electrode Comprising Li_xS_y** , including those, described and claimed in various disclosures including:

U.S. Patent Application No. 13/432,166, filed March 28, 2012, Entitled: **Energy Storage Systems Having an Electrode Comprising Li_xS_y**

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 21 day of July, 2014.

[Signature]

Jie Xiao

STATE OF WASHINGTON)
) ss.
County of Benton)

This 21 day of July, 2014, before me personally came the above-named Jie Xiao 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: 9/16/14



Executed at Richland, State of Washington, this 28 day of July, 2014.

Jiguang Zheng
Jiguang Zheng

STATE OF WASHINGTON)
) ss.
County of Benton)

This 28 day of July, 2014, before me personally came the above-named Jiguang Zheng, 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]



Darci L. Buntan
Notary Public for the State of Washington.

My commission expires: 9/16/14

Executed at Richland, State of Washington, this 21 day of July, 2014.

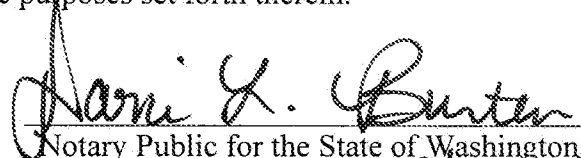


Gordon L. Graff

STATE OF WASHINGTON)
) ss.
County of Benton)


This 21 day of July, 2014, before me personally came the above-named Gordon L. Graff, 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 23 day of July, 2014.



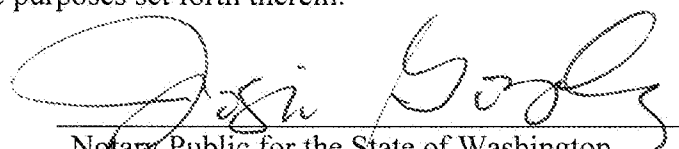
Jun Liu

STATE OF WASHINGTON)
) ss.
County of Benton)

This 23 day of July, 2014, 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.

[SEAL]





Notary Public for the State of Washington.

My commission expires: 3/4/2015

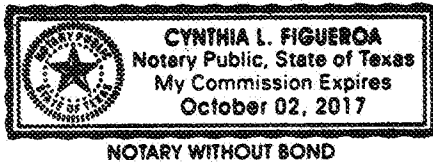
Executed at Austin, State of Texas, this 2nd day of July, 2014.

Jianming Zheng

Jianming Zheng

STATE OF Texas)
) ss.
County of TRAVIS)

This 2nd day of July, 2014, before me personally came the above-named Jianming Zheng, 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 Texas.
My commission expires: Oct 2, 2017

Executed at Richland, State of Washington, this 7th day of July, 2014.

Wu Xu

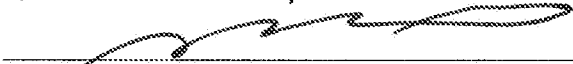
STATE OF WASHINGTON)
) ss.
County of Benton)

This 7 day of July, 2014, before me personally came the above-named Wu Xu, 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.

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



Executed at Richland, State of Washington, this 1 day of July, 2014.

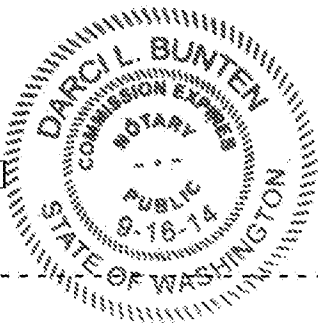


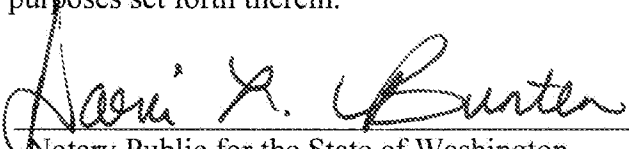
Yuyan Shao

STATE OF WASHINGTON)
) ss.
County of Benton)

This 1 day of July, 2014, before me personally came the above-named Yuyan Shao, 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

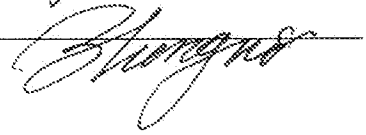




Notary Public for the State of Washington.
My commission expires: 9/18/14

Executed at Richland, State of Washington, this 10 day of July, 2014.

Zhenguo Yang

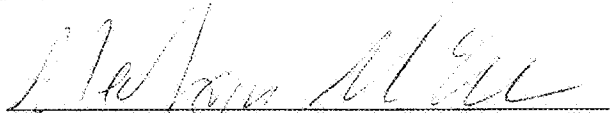


STATE OF WASHINGTON)
) ss.
County of Benton)

This 10 day of July, 2014, 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.



[SEAL]



Notary Public for the State of Washington.

My commission expires: Aug 8, 2017