

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ji-Guang Zhang</td> <td>11/05/2009</td> </tr> <tr> <td>Jie Xiao</td> <td>11/05/2009</td> </tr> <tr> <td>Wu Xu</td> <td>11/05/2009</td> </tr> <tr> <td>Deyu Wang</td> <td>11/05/2009</td> </tr> <tr> <td>Ralph E. Williford</td> <td>11/05/2009</td> </tr> <tr> <td>Jun Liu</td> <td>11/09/2009</td> </tr> </tbody> </table>		Name	Execution Date	Ji-Guang Zhang	11/05/2009	Jie Xiao	11/05/2009	Wu Xu	11/05/2009	Deyu Wang	11/05/2009	Ralph E. Williford	11/05/2009	Jun Liu	11/09/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Battelle Memorial Institute</td> </tr> <tr> <td>Street Address:</td> <td>902 Battelle Boulevard</td> </tr> <tr> <td>City:</td> <td>Richland</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>99352</td> </tr> </table>		Name:	Battelle Memorial Institute	Street Address:	902 Battelle Boulevard	City:	Richland	State/Country:	WASHINGTON	Postal Code:	99352				
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CORRESPONDENCE DATA															
<p>Fax Number: (503)595-5301</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 503-595-5300</p> <p>Email: maryjane.claridge@klarquist.com</p> <p>Correspondent Name: Klarquist Sparkman, LLP</p> <p>Address Line 1: 121 SW Salmon St.</p> <p>Address Line 2: Suite 1600</p> <p>Address Line 4: Portland, OREGON 97204</p>															
ATTORNEY DOCKET NUMBER:	23-83262-01														

OP \$40.00 12557452

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PATENT
REEL: 023664 FRAME: 0740

NAME OF SUBMITTER:

Gillian Gardner

Total Attachments: 7

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ASSIGNMENT

WHEREAS, we, Ji-Guang Zhang, of Richland, Washington, Jie Xiao, of Richland, Washington, Wu Xu, of Richland, Washington, Deyu Wang, of Richland, Washington, Ralph E. Williford, of Richland, Washington, and Jun Liu, of Richland, Washington, have invented a certain invention (referred to as "the invention"), as described in the following patent application:

U.S. Patent Application No. 12/557,452, filed on September 10, 2009, entitled
HIGH-ENERGY METAL AIR BATTERIES,

which application is referred to as the patent application.

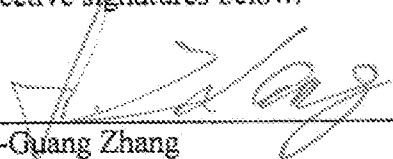
WHEREAS, Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, having a place of business in the City of Richland, Washington, is desirous of acquiring an interest in the said invention and in any patent or any patents to be obtained therefor:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Ji-Guang Zhang, Jie Xiao, Wu Xu, Deyu Wang, Ralph E. Williford, and Jun Liu, hereby sell, assign and transfer to Battelle Memorial Institute, the full and exclusive right, title and interest in and to the invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; the invention, patent application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Battelle Memorial Institute, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Battelle Memorial Institute, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Battelle Memorial Institute, its successors and assigns to obtain and enforce proper patent protection for the invention in the United States or any foreign country.

We confirm that at the time the invention was made, we were under an obligation to assign the invention to Battelle Memorial Institute.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

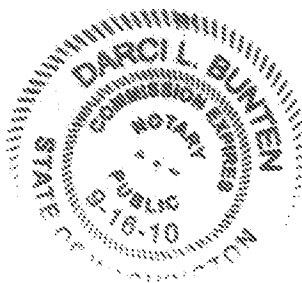

Ji-Guang Zhang

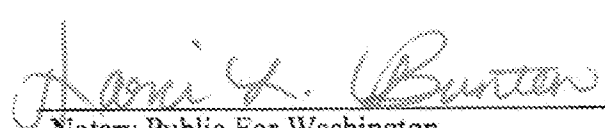
At Richland, WA
(City and State)

on this 5th day of November, 2009.

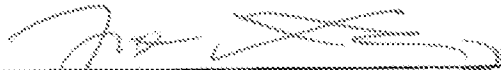
STATE OF WASHINGTON)
) ss.
COUNTY OF)

This 5th day of November, 2009, before me personally came the above-named Ji-Guang Zhang, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Ji-Guang Zhang's own free will for the purpose set forth therein.




Notary Public For Washington

My commission expires: 9/16/10



Jie Xiao

At Richland, WA on this 5th day of November, 2009.
(City and State)

STATE OF WASHINGTON)
) ss.
COUNTY OF)

This 5th day of November, 2009, before me personally came the above-named Jie Xiao, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Jie Xiao's own free will for the purpose set forth therein.



Notary Public For Washington

My commission expires: 9/18/10.

Wu Xu

At

Richland, WA
(City and State)

on this 5th day of November, 2009.

STATE OF WASHINGTON)

) ss.

COUNTY OF)

This 5th day of November, 2009, before me personally came the above-named Wu Xu, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Wu Xu's own free will for the purpose set forth therein.



Darci L. Bunter
Notary Public For Washington

My commission expires: 9/18/10.

At Richland WA on this 5th day of November, 2009.
(City and State) Deyu Wang

STATE OF WASHINGTON)
)
COUNTY OF) ss.

This 5th day of November, 2009, before me personally came the above-named Deyu Wang, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Deyu Wang's own free will for the purpose set forth therein.



Darcil L. Bunter
Notary Public For Washington
My commission expires: 9/16/10.

Ralph E. Williford
Ralph E. Williford

At Richland, WA on this 5th day of November, 2009.
(City and State)

STATE OF WASHINGTON)
)
COUNTY OF) ss.

This 5th day of November, 2009, before me personally came the above-named Ralph E. Williford, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Ralph E. Williford's own free will for the purpose set forth therein.



Darci L. Blinten
Notary Public For Washington
My commission expires: 9/18/10.

Jun Liu
Jun Liu

At *Richland, WA* on this *9th* day of *November*, 2009.
(City and State)

STATE OF WASHINGTON)
) ss.
COUNTY OF)

This *9th* day of *November*, 2009, before me personally came the above-named Jun Liu, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Jun Liu's own free will for the purpose set forth therein.



Darcil L. Bunter
Notary Public For Washington
My commission expires: *9/16/10*.