

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>Alexandre A. Shvartsburg</td> <td>04/16/2013</td> </tr> <tr> <td>Keqi Tang</td> <td>04/16/2013</td> </tr> <tr> <td>Richard D. Smith</td> <td>04/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Alexandre A. Shvartsburg	04/16/2013	Keqi Tang	04/16/2013	Richard D. Smith	04/16/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>BATTELLE MEMORIAL INSTITUTE</td> </tr> <tr> <td>Street Address:</td> <td>P.O. Box 999, K1-53</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:	P.O. Box 999, K1-53	City:	Richland	State/Country:	WASHINGTON	Postal Code:	99352
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: 5093754487 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 509-375-3782 Email: ipdocket@pnnl.gov Correspondent Name: James D. Matheson Address Line 1: P.O. Box 999, K1-53 Address Line 4: Richland, WASHINGTON 99352											
ATTORNEY DOCKET NUMBER:	30090-E										
NAME OF SUBMITTER:	A.J. Gokcek										
Signature:	/ A.J. Gokcek /										
Date:	04/16/2013										

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Total Attachments: 5

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ASSIGNMENT OF PATENT RIGHTS

Alexandre A. Shvartsburg
Keqi Tang
Richard D. Smith

To
Battelle Memorial Institute

WHEREAS, we, Alexandre A. Shvartsburg of Richland, County of Benton, State of Washington; Keqi Tang of Richland, County of Benton, State of Washington; and Richard D. Smith of Richland, County of Benton, State of Washington; hereinafter INVENTORS, have made certain inventions related to, **METHOD FOR ENHANCING THE RESOLVING POWER OF ION MOBILITY SEPARATIONS OVER A LIMITED MOBILITY RANGE** including those, described and claimed in various disclosures including:

U.S. Patent Application No. 13/861,511, (filed April 12, 2013) Entitled: METHOD FOR ENHANCING THE RESOLVING POWER OF ION MOBILITY SEPARATIONS OVER A LIMITED MOBILITY RANGE

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 16 day of April, 2013.



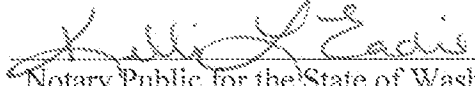
Alexandre A. Shvartsburg

STATE OF Washington)
) ss.
COUNTY OF Benton)

This 16th day of April, 2013, before me personally came the above-named Alexandre A. Shvartsburg, 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: 1/29/16

Executed at Richland, State of Washington, this 16 day of April, 2013.

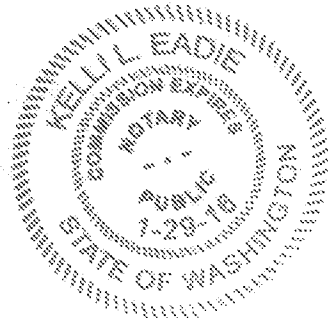


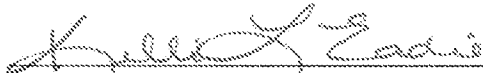
Keqi Tang

STATE OF Washington)
)
COUNTY OF Benton) ss.

This 16th day of April, 201, before me personally came the above-named Keqi Tang, 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.

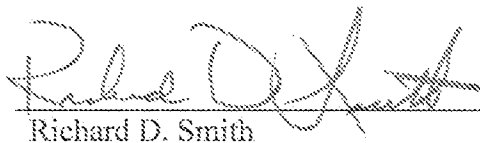
[SEAL]





Notary Public for the State of Washington
My commission expires: 7/29/16

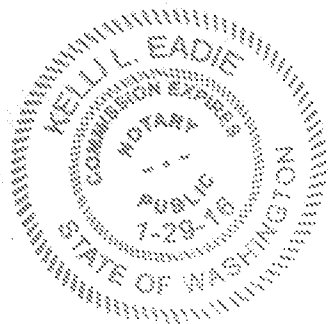
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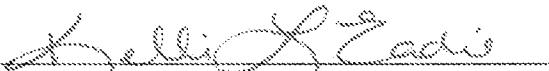

Richard D. Smith

STATE OF Washington)
) ss.
COUNTY OF Benton)

This 16th day of April, 2013, before me personally came the above-named Richard D. Smith, 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: 7/29/16