

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>CHARLES BARINAGA</td> <td>04/11/2011</td> </tr> <tr> <td>DAVID KOPPENAAL</td> <td>04/11/2011</td> </tr> </tbody> </table>		Name	Execution Date	CHARLES BARINAGA	04/11/2011	DAVID KOPPENAAL	04/11/2011				
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CHARLES BARINAGA	04/11/2011										
DAVID KOPPENAAL	04/11/2011										
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, MSIN 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, MSIN K1-53	City:	RICHLAND	State/Country:	WASHINGTON	Postal Code:	99352
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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>13639257</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13639257						
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CORRESPONDENCE DATA											
<p>Fax Number: 3172317433 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3172317762 Email: hbehlmer@btlaw.com Correspondent Name: HEATHER BEHLMER Address Line 1: BARNES & THORNBURG LLP Address Line 2: 11 SOUTH MERIDIAN STREET Address Line 4: INDIANAPOLIS, INDIANA 46204</p>											
ATTORNEY DOCKET NUMBER:	29920-222759										
NAME OF SUBMITTER:	Bradford G. Addison										
Signature:	/BGA/										
Date:	04/08/2013										

CH \$40.00 13639257

Total Attachments: 4

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PROVISIONAL/PCT PATENT APPLICATION
ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: 29920-215453
Client Reference No.: IURTC-11010

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s) of Inventor(s) Charles BARINAGA
_____, and
David KOPPENAAAL

Check applicable boxes and enter serial number and date if available
maker(s) of an invention which is the subject of a ☒ United States Provisional Patent Application identified as Serial No. 61/321,002 with a filing date of 05 April 2010 and/or ☒ PCT International Application No. _____, entitled

Title of Application hereinafter (the "Application(s)")
METHOD FOR ENHANCEMENT OF MASS RESOLUTION OVER A LIMITED MASS RANGE FOR TIME-OF-FLIGHT SPECTROMETRY

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of Assignee Battelle Memorial Institute

Address of principal place of business
P.O. Box 999, MSIN K1-53
Richland, WA 99352

Insert State of Incorporation (if applicable) or "Not Applicable"
a corporation of N/A

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application(s), including all priority rights for the United States and other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada and Mexico, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application(s) and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the Application(s) in the United States and counterpart applications in foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such Applications, and also to execute separate assignments in connection with such Applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the Application(s), U.S. national counterparts thereof, or continuation(s), division(s), reissue(s), reexamination(s) thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

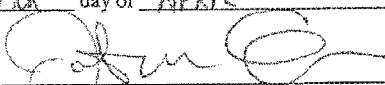

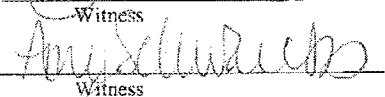
PROVISIONAL/PCT PATENT APPLICATION
ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting or following from said Application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment at RICHLAND, WASHINGTON
this 17th day of APRIL, 2011.

 Witness	 Inventor (Signature)
 Witness	<u>Charles BARINAGA</u> Inventor (Printed Name)

IN WITNESS WHEREOF, I have executed this assignment at _____
this _____ day of _____, 2011.

_____ Witness	_____ Inventor (Signature)
_____ Witness	<u>David KOPPENAAL</u> Inventor (Printed Name)

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IN WITNESS WHEREOF, I have executed this assignment at _____
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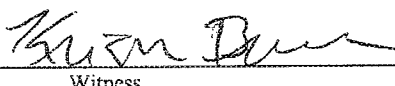
Witness

Inventor (Signature)

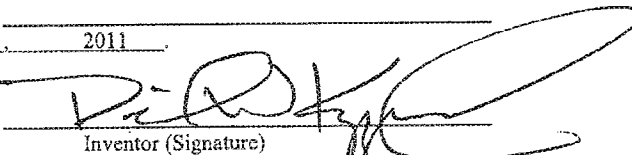
Witness

Charles BARINAGA
Inventor (Printed Name)

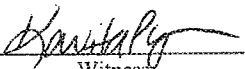
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this _____ day of _____, 2011.



Witness



Inventor (Signature)



Witness

David KOPPENAAAL
Inventor (Printed Name)