

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>David R. Thiede</td> <td>10/05/2010</td> </tr> <tr> <td>Casey R. O'Leary</td> <td>09/29/2010</td> </tr> <tr> <td>Jeffery A. Mauth</td> <td>09/29/2010</td> </tr> </tbody> </table>		Name	Execution Date	David R. Thiede	10/05/2010	Casey R. O'Leary	09/29/2010	Jeffery A. Mauth	09/29/2010				
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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>P.O. Box 999</td> </tr> <tr> <td>Internal Address:</td> <td>M/S 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	Internal Address:	M/S K1-53	City:	Richland	State/Country:	WASHINGTON	Postal Code:	99352
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CORRESPONDENCE DATA													
Fax Number: (509)375-4487 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 509-375-6866 Email: allan.tuan@pnl.gov Correspondent Name: BATTELLE MEMORIAL INSTITUTE ATTN: IP SER Address Line 1: P. O. BOX 999 Address Line 2: K1-53 Address Line 4: RICHLAND, WASHINGTON 99352													
ATTORNEY DOCKET NUMBER:	14448-E												
NAME OF SUBMITTER:	Allan C. Tuan												
Total Attachments: 5													

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ASSIGNMENT OF PATENT RIGHTS

David R. Thiede
Casey R. O'Leary
Jeffery A. Mauth

To
Battelle Memorial Institute

WHEREAS, we, David R. Thiede of Richland, County of Benton, State of Washington, Casey R. O'Leary of Kennewick, County of Benton, State of Washington, and Jeffery A. Mauth of Kennewick, County of Benton, State of Washington; hereinafter INVENTORS, have made certain inventions related to, PACKET FLOW MONITORING TOOL AND METHOD, including those, described and claimed in various disclosures including:

U.S. Patent Application No. 11/179,230, filed July 11, 2005, Entitled: PACKET FLOW MONITORING TOOL AND METHOD

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

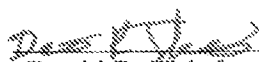
considerations, the receipt of which is hereby acknowledged, We the INVENTORS have each sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the said Battelle Memorial Institute, the entire right, title, and interest in and to the INVENTIONS shown, described, or claimed 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

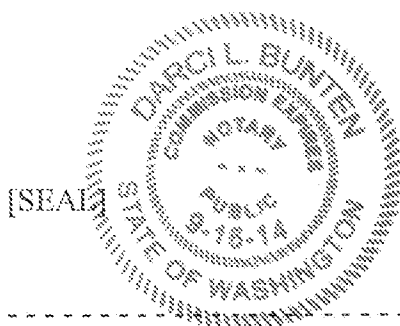
Institute to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of International Conventions and agree to execute applications of the said invention in the several countries where it is necessary that the same be executed by the inventors, 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 5th day of October, 2010.


David R. Thiede

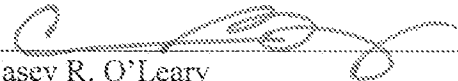
STATE OF WASHINGTON)
) ss.
County of Benton)

This 5th day of October, 2010, before me personally came the above-named David R. Thiede 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

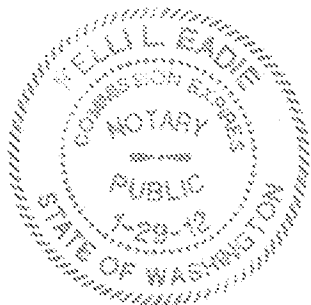
Executed at Richland, State of Washington, this 29 day of Sept, 2010.

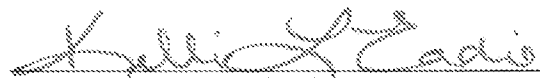


Casey R. O'Leary

STATE OF WASHINGTON)
) ss.
County of Benton)

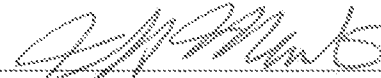
This 29 day of September, 2010, before me personally came the above-named Casey R. O'Leary who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.





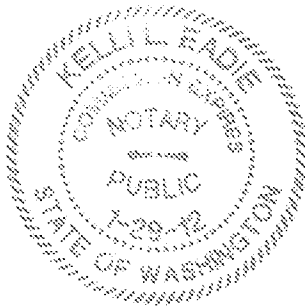
Notary Public for the State of Washington.
My commission expires: 1/29/12

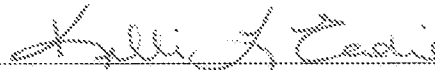
Executed at Richland, State of Washington, this 29 day of September, 2010.


Jeffery A. Mauth

STATE OF WASHINGTON)
) ss.
County of Benton)

This 29 day of September, 2010, before me personally came the above-named Jeffery A. Mauth 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: 1/29/12