

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>David A. Dahl</td><td>12/12/2006</td></tr><tr><td>Jill R. Scott</td><td>12/07/2006</td></tr><tr><td>Anthony D. Appelhans</td><td>12/14/2006</td></tr><tr><td>Timothy R. McJunkin</td><td>12/07/2006</td></tr><tr><td>John E. Olson</td><td>12/11/2006</td></tr></tbody></table>	Name	Execution Date	David A. Dahl	12/12/2006	Jill R. Scott	12/07/2006	Anthony D. Appelhans	12/14/2006	Timothy R. McJunkin	12/07/2006	John E. Olson	12/11/2006	
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Battelle Energy Alliance, LLC</td></tr><tr><td>Street Address:</td><td>P.O. Box 1625</td></tr><tr><td>City:</td><td>Idaho Falls</td></tr><tr><td>State/Country:</td><td>IDAHO</td></tr><tr><td>Postal Code:</td><td>83415-3899</td></tr></table>	Name:	Battelle Energy Alliance, LLC	Street Address:	P.O. Box 1625	City:	Idaho Falls	State/Country:	IDAHO	Postal Code:	83415-3899			
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (208)523-8339 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 208/526-8725													
Email: janine.lopez@inl.gov													
Correspondent Name: Eric M. Barzee													
Address Line 1: P.O. Box 1625													
Address Line 4: Idaho Falls, IDAHO 83415-3899													
ATTORNEY DOCKET NUMBER:	BA-115												
NAME OF SUBMITTER:	Eric M. Barzee												

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PATENT
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Total Attachments: 6

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PATENT

REEL: 018633 FRAME: 0163

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does:

SELL, ASSIGN AND TRANSFER to Battelle Energy Alliance, LLC (BEA) a Delaware limited liability company, having a principal place of business at 2525 Fremont Avenue, Idaho Falls, Idaho 83415, the entire right, title and interest for the United States and all foreign countries and jurisdictions in any and all inventions and improvements which are disclosed in the Application for United States Letters Patent, Attorney Docket No. BA-115, entitled CONTINUOUS SAMPLING ION MOBILITY SPECTROMETERS AND METHODS THEREFOR, such application filed on 12/14/2006 and assigned Serial No. 11/610,609, such application and all divisionals, continuations, substitutes, renewals, reissues, reexaminations, and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries and jurisdictions relating to any of such inventions and improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions on such inventions and improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE BEA to apply for and receive any and all United States and foreign patents relating to such inventions and improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions and improvements in the name of BEA;

REPRESENT that no assignment, grant, mortgage, license or other agreement or encumbrance inconsistent with the rights and property conveyed by this assignment has been or will be made or entered into by the undersigned, and that the full right to convey the same is possessed by the undersigned, subject to any and all rights retained by the United States Government;

COVENANT to carry out in good faith the intent and purpose of this assignment, to execute all divisionals, continuations, substitutes, renewals, reissues, reexaminations, and all other patent applications relating to any and all such inventions and improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to BEA all facts and provide to BEA all documents and things known and accessible to the undersigned relating to such inventions and improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which BEA shall consider desirable for vesting title to such inventions and improvements in BEA, and to secure, maintain, defend and enforce valid and enforceable patent protection for such inventions and improvements; at the request of BEA and upon prior written arrangement, BEA may reimburse the undersigned for any burdensome expenses in carrying out the above covenants;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of BEA.

AUTHORIZE AND DIRECT any of the attorneys associated with Customer Number 000004347 to insert the serial number and filing date of the application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

ASSIGNORS:

See Attached assign.
 Printed Name: David A. Dahl
 Residing at: Idaho Falls, ID

Date 12/14/06

Jill L. Scott
 Printed Name: Jill R. Scott
 Residing at: Idaho Falls, ID

Date 12/7/2006

Anthony D. Appelhans
 Printed Name: Anthony D. Appelhans
 Residing at: Idaho Falls, ID

Date 12/14/2006

Timothy R. McJunkin
 Printed Name: Timothy R. McJunkin
 Residing at: Idaho Falls, ID

Date 12/7/2006

John E. Olson
 Printed Name: John E. Olson
 Residing at: Rigby, ID

Date 12/11/2006

State of Idaho)
 County of Bonneville) S.S.

On this _____ day of _____, 2006, before me personally appeared David A. Dahl, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

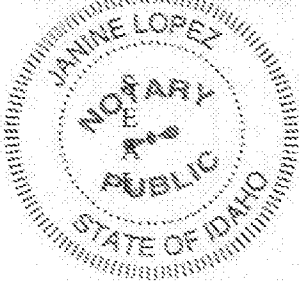
S
E
A
L

 Notary Public

My commission expires on _____

State of Idaho)
 County of Bonneville) S.S.

On this 7 day of December, 2006, before me personally appeared Jill R. Scott, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that she executed the same.

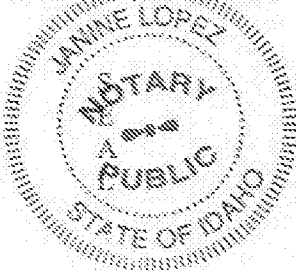


Janine Lopez
 Notary Public

My commission expires on 10/14/2011

State of Idaho)
 County of Bonneville) S.S.

On this 14 day of December, 2006, before me personally appeared Anthony D. Appelhans, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

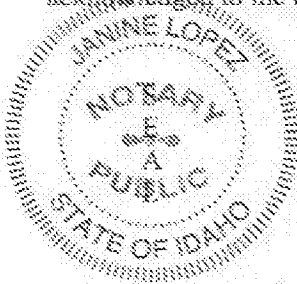


Janine Lopez
 Notary Public

My commission expires on 10/14/2011

State of Idaho)
 S.S.
 County of Bonneville)

On this 7 day of December 2006, before me personally appeared Timothy R. McJunkin, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

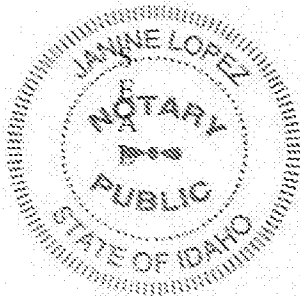


Janine Lopez
 Notary Public

My commission expires on 10/14/2011

State of Idaho)
 S.S.
 County of Bonneville)

On this 11 day of December 2006, before me personally appeared John E. Olson, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



Janine Lopez
 Notary Public

My commission expires on 10/14/2011

ASSIGNMENT AGREEMENT

David A. Dahl (Assignor) is a co inventor together with Battelle Energy Alliance, LLC (BEA) employees Jill R. Scott, Anthony D. Appelhans, Timothy R. McJunkin and John E. Olson to an invention disclosed in BEA Invention Disclosure Record No. BA-115 entitled CONTINUOUS SAMPLING ION MOBILITY SPECTROMETERS AND METHODS THEREFOR;

BEA in accordance with its U.S. Department of Energy Contract No. DE-AC07-05ID14517, is desirous of acquiring CONTINUOUS SAMPLING ION MOBILITY SPECTROMETERS AND METHODS THEREFOR, in accordance with its right, title and interest in such jointly developed invention;

In consideration of the mutual covenants, conditions, and terms hereinafter set forth, and for other good and valuable consideration, the Parties hereto agree as follows:

Assignor sells, assigns, and transfers the entire right, title and interest for the United States and all foreign countries and jurisdictions in any and all inventions and improvements which are disclosed in the Application for United States Letters Patent, Attorney Docket No. BA-115, entitled CONTINUOUS SAMPLING ION MOBILITY SPECTROMETERS AND METHODS THEREFOR, such application filed on 12/14/2006 and assigned Serial No. 11/620,689 such application and all divisionals, continuations, substitutes, renewals, reissues, reexaminations, and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries and jurisdictions relating to any of such inventions and improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions on such inventions and improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States.

BEA agrees to apply its employee inventor recognition and royalty award program to Assignor as if he or she were a BEA employee. Nothing in this Agreement shall be construed as establishing an employment relationship between BEA and Assignor.

Assignor authorizes BEA to apply for and receive any and all United States and foreign patents relating to such inventions and improvements in its own name, and authorizes and requests the issuing authority to issue any and all United States and foreign patents granted on such inventions and improvements in the name of BEA.

Assignor represents and covenants that no assignment, grant, mortgage, license or other agreement or encumbrance inconsistent with the rights and property conveyed by this assignment has been or will be made or entered into by him/her, and that the full right to convey the same is possessed by him or her, subject to any and all rights retained by the United States Government.

Assignor covenants to carry out in good faith the intent and purpose of this assignment, to execute all divisionals, continuations, substitutes, renewals, reissues, reexaminations, and all other patent applications relating to any and all such inventions and improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to BEA all facts and provide to BEA all documents and things known and accessible to him/her relating to such inventions and improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which BEA shall consider desirable for vesting title to such inventions and improvements in BEA, and to secure, maintain, defend and enforce valid and enforceable patent protection for such inventions and improvements; at the request of BEA and upon prior written arrangement, BEA may reimburse him or her for any burdensome expenses in carrying out the above covenants;

Assignor agrees and acknowledges that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon his or her heirs, assigns, representatives and successors and EXTEND to the successors, assigns and nominees of BEA.

Assignor authorizes and directs any of the attorneys associated with United States Patent and Trademark Office Customer Number 000004347 to insert the serial number and filing date of the application now identified by the attorney docket number and title set forth above when the same shall have been made known to them by the United States Patent and Trademark Office.

Any litigation concerning this Assignment Agreement will be brought in a court of competent jurisdiction in the State of Idaho, in accordance with Idaho law.

IN WITNESS WHEREOF, the undersigned have executed this Agreement on the respective dates hereinafter set forth.

BATTELLE ENERGY ALLIANCE, LLC

DAVID A. DAHL

By: [Signature]

[Signature]

Date: 12/14/06

12/13/06

SUBSCRIBED and sworn this 14 day of Dec, 2006

[Signature]
Notary Public, State of Idaho

Residing at Isle Falls, ID

Commission Expires: 10/14/2011

