

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>Andrew J. Effenberger Jr.</td><td>08/13/2011</td></tr><tr><td>Jill R. Scott</td><td>08/17/2011</td></tr><tr><td>Timothy R. McJunkin</td><td>08/23/2011</td></tr></tbody></table>	Name	Execution Date	Andrew J. Effenberger Jr.	08/13/2011	Jill R. Scott	08/17/2011	Timothy R. McJunkin	08/23/2011	
Name	Execution Date								
Andrew J. Effenberger Jr.	08/13/2011								
Jill R. Scott	08/17/2011								
Timothy R. McJunkin	08/23/2011								
RECEIVING PARTY DATA									
Name:	Battelle Energy Alliance, LLC								
Street Address:	P.O. Box 1625								
Internal Address:	MS 3899								
City:	Idaho Falls								
State/Country:	IDAHO								
Postal Code:	83415-3899								
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>13183228</td></tr></tbody></table>	Property Type	Number	Application Number:	13183228					
Property Type	Number								
Application Number:	13183228								
CORRESPONDENCE DATA									
Fax Number:	(208)526-8339								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	208-526-6339								
Email:	kathryn.harris@inl.gov								
Correspondent Name:	Battelle Energy Alliance, LLC								
Address Line 1:	P.O. Box 1625								
Address Line 2:	MS 3899								
Address Line 4:	Idaho Falls, IDAHO 83415-3899								
ATTORNEY DOCKET NUMBER:	BA-560								
NAME OF SUBMITTER:	Eric M. Barzee								
Total Attachments: 3 source=BA-560_Assigncomplete#page1.tif source=BA-560_Assigncomplete#page2.tif source=BA-560_Assigncomplete#page3.tif									

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PATENT
REEL: 026867 FRAME: 0392

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-560, entitled Apparatus, System, and Method for Laser-Induced Breakdown Spectroscopy, such application filed on July 14, 2011 and assigned Serial No. 13/183,228, 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 85013 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.

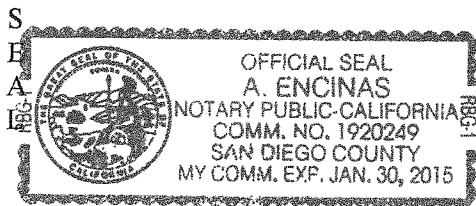
ASSIGNORS:

Signed: [Signature]
Printed Name: Andrew J. Effenberger Jr
Residing at: San Diego, CA

Date 8-13-2011

State of CA)
County of San Diego)
S.S.

On this 13th day of August, 2011, before me personally appeared Andrew J. Effenberger, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



[Signature]
Notary Public – State of California

My commission expires on 1-30-2015

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

Date 8/17/2011

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

On this 17th day of August, 2011, 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 he/she executed the same.

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A
L



Kathryn J. Harris
 Notary Public – State of Idaho

My commission expires on 3/15/16

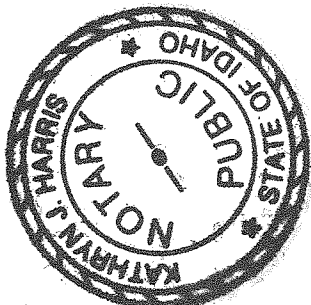
Signed: Timothy R. McJunkin
 Printed Name: Timothy R. McJunkin
 Residing at: Idaho Falls, ID

Date 8/23/2011

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

On this 23rd day of August, 2011, 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/she executed the same.

S
E
A
L



Kathryn J. Harris
 Notary Public – State of Idaho

My commission expires on 3/15/16