PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4769303

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT	
EFFECTIVE DATE:	12/19/2017	

CONVEYING PARTY DATA

Name	Execution Date
DONNA L. BAEK	01/10/2018
ROBERT V. FOX	01/10/2018
TEDD E. LISTER	01/10/2018

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

Property Type	Number
Application Number:	15847727

CORRESPONDENCE DATA

Fax Number: (208)526-8339

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 208-526-3452

Email: kathryn.harris@inl.gov

BATTELLE ENERGY ALLIANCE, LLC **Correspondent Name:**

Address Line 1: P.O. BOX 1625

Address Line 2: MS 3899

Address Line 4: IDAHO FALLS, IDAHO 83415-3899

ATTORNEY DOCKET NUMBER:	BA-975
NAME OF SUBMITTER:	ERIC M. BARZEE
SIGNATURE:	/Eric M. Barzee/
DATE SIGNED:	01/10/2018

Total Attachments: 3

PATENT REEL: 044584 FRAME: 0696 source=BA-975_Assign#page1.tif source=BA-975_Assign#page2.tif source=BA-975_Assign#page3.tif

> PATENT REEL: 044584 FRAME: 0697

ASSIGNMENT

EFFECTIVE DECEMBER 19, 2017, 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-975, entitled METHODS OF FORMING METALS USING IONIC LIQUIDS, such application filed on December 19, 2017 and assigned Serial No. 15/847,727, 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;

PATENT REEL: 044584 FRAME: 0698

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: Monne, Bush	Date
Printed Name: <u>Donna L. Baek</u>	
Residing at: <u>Idaho Falls</u> , <u>ID</u>	
·	
State of Idaho)	
S.S.	
County of Bonneville)	
On this 10 day of Much 2017,	, before me personally appeared Donna L. Baek,
known to me to be the person whose name is subscribe	ed to the foregoing instrument, and acknowledged
to me that he/she executed the same.	2
	1/2 $1/2$
STHRYN	A Official delay.
S E NOTA	Notary Rublic – State of Idaho
A 2/2/3/	Trotally Indine - State of Idano
	My commission expires on $\frac{1}{2}$
- NOIY	111 Commission expires on

Signed:	Date
Printed Name: Robert V. Fox	
Residing at: <u>Idaho Falls, ID</u>	
State of Idaho)	
S.S. County of Bonneville)	
On this day of, 2017, the known to me to be the person whose name is subscribed to me that he/she executed the same.	before me personally appeared Robert V. Fox, I to the foregoing instrument, and acknowledged
S E LOTAPARA	Notary Public - State of Idaho
A L W DBLIC *	My commission expires on $\frac{1/5/22}{}$
FOF IDAM	
Signed:	Date 01/10/2018
Printed Name: <u>Tedd E. Lister</u> Residing at: <u>Lewisville, ID</u>	
State of Idaho) S.S.	
County of Bonneville)	
known to me to be the person whose name is subscribed	efore me personally appeared <u>Tedd E. Lister</u> , to the foregoing instrument, and acknowledged
to me that he/she executed the same.	
S S OTAP	Notary Public – State of Idaho
A L X A C A C A A A A A A A A A A A A A A A	Notary Public – State of Idaho My commission expires on
ATE OF IDAL	

3