PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4006296

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TYLER LOTT WESTOVER	07/27/2016
JOHN CHADRON B. RYAN	06/27/2016
AUSTIN COLTER MATTHEWS	07/25/2016
SERGIO HERNANDEZ	06/21/2016

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15235895

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

KATHY HARRIS C/O 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

NAME OF SUBMITTER: ERIC	
THAME OF GODINITIES.	M. BARZEE
SIGNATURE: /Eric N	1. Barzee/
DATE SIGNED: 08/15/	2016

Total Attachments: 4

PATENT REEL: 039431 FRAME: 0039

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PATENT REEL: 039431 FRAME: 0040

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-873, entitled HOPPER APPARATUSES FOR PROCESSING A BULK SOLID, AND and assigned Application No. 15 235, 895, such application and all non-provisionals, 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: 039431 FRAME: 0041 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:

TYLER LOTT WES	TOVED		Date <u>07/27/2016</u>
Residing at: Idaho F			
residing ac. ramo i	uiio, ir		
STATE OF IDAHO)		
	SS.		
County of Bonneville)		
On this <u> </u>	day of July	, 2016, before n	ne, a Notary Public in and for the
State of Idaho, persona	lly appeared TYL FR L(OTT WESTOVER, k	nown or identified to me to be the
person whose name is	subscribed to the foregoing	ng instrument, and ack	nowledged to me that he executed
the same	~		w.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal.

NOTARY PUBLIC STATE OF IDAH

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Jah Clader B. Gar	Date 6-27-16
JOHN CHADRON BENJAMIN RYAN	
Residing at: Rexburg, ID	
STATE OF IDAHO)	
County of Bonneville)	
On this day of	DENJAMIN KIAN, KNOWN OF IDENITIED TO
IN WILNESS WHEREOF, I have hereunto set	my hand and affixed my seal.
MOTAR JAMES OF THE STATE OF THE	NOTARY PUBLIC STATE OF IDAHO Residing at: 10 My Commission Expires: 6:52020
AUSTIN COLTER MATTHEWS Residing at: Murray, UT	Date <u>7/29/201</u> 6
STATE OF Ilaho)	
County of British (V)	
On this 25 day of 30 yes. State of Idaho, personally appeared AUSTIN COLTER the person whose name is subscribed to the foregoing insexecuted the same.	I MAII HEWS, known or identified to me to be
IN WITNESS WHEREOF, I have hereunto set	my hand and affixed my seal.
SEAL SUBLES	NOTARY PUBLIC STATE OF Residing at: The Fill State of My Commission Expires: 1/5/122

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Song Han		Date	6-21-21/
SERGIO HERNANDEZ		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************
Residing at: Idaho Falls,	ID		
STATE OF IDAHO) ss.			
County of Bonneville)			
State of Idaho, personally a	y of	NDEZ, known or identifie	d to me to be the
IN WITNESS WE	IEREOF, I have hereunto s	et my hand and affixed my s NOTARY PUBLIC STAT Residing at: My Commission Expires:	TE OF IDAHO