505237860 12/14/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5284630

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
ROBERT C. O'BRIEN	12/12/2018		

RECEIVING PARTY DATA

Name:	BATTELLE ENERGY ALLIANCE, LLC (BEA)				
Street Address:	2525 FREMONT AVENUE				
City:	IDAHO FALLS				
State/Country:	IDAHO				
Postal Code:	83415				

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	16220661				

CORRESPONDENCE DATA

Fax Number:

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: 8015321922

Email: jlclark@traskbritt.com

Correspondent Name: TRASKBRITT / BATTELLE ENERGY ALLIANCE, L

Address Line 1: PO BOX 2550

Address Line 4: SALT LAKE CITY, UTAH 84110

ATTORNEY DOCKET NUMBER:	2939-P14093.1US (BA-991)
NAME OF SUBMITTER:	DANIEL J. BEZDJIAN
SIGNATURE:	/Daniel J. Bezdjian/
DATE SIGNED:	12/14/2018

Total Attachments: 2

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PATENT 505237860 REEL: 047781 FRAME: 0145

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-991, entitled FUEL RODS COMPRISING POROUS FUEL MATERIALS, AND RELATED METHODS, such application filed on December 14, 2018 and assigned Serial No. 16/220, 661, 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: 047781 FRAME: 0146 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:

State of Idaho

A

Signed: Roll	Date 12/12/2018
Printed Name: <u>Robert C. O'Brien</u> Residing at: <u>Idaho Falls, ID</u>	

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County of Bonnev	alle)	1						
On this	12	day o	e Misser and	Lapper	2018 hof	ra ma na	roonally	bosoozen	Dahant

On this _____ day of _____, 2018 before me personally appeared Robert C. O'Brien 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

to me that he/she executed the same.

S

E

Notary Public – State of Idaho