506521854 02/24/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6568629

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT	
EFFECTIVE DATE:	06/17/2020	

CONVEYING PARTY DATA

Name	Execution Date
CHASE N. TAYLOR	02/23/2021

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:	16946344

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

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

ATTORNEY DOCKET NUMBER:	BA-1038	
NAME OF SUBMITTER:	KATHRYN J. HARRIS	
SIGNATURE:	/Kathryn J. Harris/	
DATE SIGNED:	02/24/2021	

Total Attachments: 2

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PATENT 506521854 REEL: 055392 FRAME: 0445

ASSIGNMENT

EFFECTIVE June 17, 2020, 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-1038, entitled ION BEAM PROFILING SYSTEM AND RELATED METHODS, such application filed on June 17, 2020 and assigned Serial No. 16/946,344, 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: 055392 FRAME: 0446 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.

COUNTERPARTS This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original but all of which together will constitute one and the same instrument.

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

ASSIGNORS:

Assignor Signature: // (con

Printed Name: Chase N. Taylor Residing at: Idaho Falts, ID Date 2/23/

ABOVE SIGNATURE WITNESSED BY: (

Printed Name: Soni Toulor

ASSIGNEE - BATTELLE ENERGY ALLIANCE, LLC

Date: 24 February 2021

Printed Name: Mark D. Olsen

Title: Secretary and General Counsel