

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8056736

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT
<b>EFFECTIVE DATE:</b>	06/18/2020

**CONVEYING PARTY DATA**

Name	Execution Date
JOSHUA DAW	06/23/2023
TROY C. UNRUH	07/10/2023
BRENDEN J. HEIDRICH	06/26/2023
DAVID H. HURLEY	06/22/2023
MICHAEL MCMURTREY	07/05/2023
KUNAL MONDAL	06/22/2023
LANCE HONE	07/11/2023
ROBERT D. SEIFERT	06/26/2023

**RECEIVING PARTY DATA**

<b>Name:</b>	BATTELLE ENERGY ALLIANCE, LLC
<b>Street Address:</b>	P.O. BOX 1625
<b>Internal Address:</b>	MS 3899
<b>City:</b>	IDAHO FALLS
<b>State/Country:</b>	IDAHO
<b>Postal Code:</b>	83415

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17303633

**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-993

PATENT

<b>NAME OF SUBMITTER:</b>	KATHRYN J. HARRIS
<b>SIGNATURE:</b>	/Kathryn J. Harris/
<b>DATE SIGNED:</b>	07/13/2023
<b>Total Attachments: 9</b> source=BA-993_Assign_complete#page1.tif source=BA-993_Assign_complete#page2.tif source=BA-993_Assign_complete#page3.tif source=BA-993_Assign_complete#page4.tif source=BA-993_Assign_complete#page5.tif source=BA-993_Assign_complete#page6.tif source=BA-993_Assign_complete#page7.tif source=BA-993_Assign_complete#page8.tif source=BA-993_Assign_complete#page9.tif	

**ASSIGNMENT**

**EFFECTIVE June 18, 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-993, entitled **SENSORS FOR PASSIVELY MEASURING A MAXIMUM TEMPERATURE OF A NUCLEAR REACTOR, AND RELATED METHODS**, such applications filed on June 3, 2021 and assigned Serial No. 17/303,633, 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.

**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: Joshua Daw Date 6/23/2023  
Printed Name: Joshua Daw  
Residing at: 777 Hampton Ave Apt K207 Bldg E-14 ID 83401

ABOVE SIGNATURE WITNESSED BY: Bibo Zhong  
Printed Name: Bibo Zhong

Assignor Signature: \_\_\_\_\_ Date \_\_\_\_\_  
Printed Name: Troy C. Unruh  
Residing at: \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

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.

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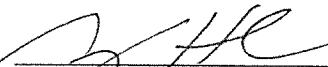
**ASSIGNORS:**

Assignor Signature: \_\_\_\_\_ Date \_\_\_\_\_  
Printed Name: Joshua Daw  
Residing at: \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: S. Almond  
Printed Name: Stephanie Almond

Assignor Signature: T. C. Uhrh Date July-10-2023  
Printed Name: Troy C. Uhrh  
Residing at: Idaho Falls, Idaho

ABOVE SIGNATURE WITNESSED BY: S. Almond  
Printed Name: Stephanie Almond

Assignor Signature: 

Date 26 JUN 2023

Printed Name: Brenden J. Heidrich

Residing at: 354 S. ADAM LN  
IDAHO FALLS, ID  
83401

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_

Printed Name: HEATHER D. HEIDRICH

Assignor Signature: \_\_\_\_\_

Date \_\_\_\_\_

Printed Name: David H. Hurley

Residing at: \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Assignor Signature: \_\_\_\_\_

Date \_\_\_\_\_

Printed Name: Michael McMurtrey

Residing at: \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Assignor Signature: \_\_\_\_\_

Date \_\_\_\_\_

Printed Name: Kunal Mondal

Residing at: \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_


Printed Name: \_\_\_\_\_

Assignor Signature: \_\_\_\_\_  
Printed Name: Brenden J. Heidrich  
Residing at: \_\_\_\_\_

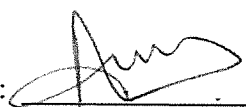
Date \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Assignor Signature:  \_\_\_\_\_  
Printed Name: David H. Hurley  
Residing at: 3493 Summit Road Trl., Idaho Falls, ID 83404

Date 6/22/23

ABOVE SIGNATURE WITNESSED BY:  \_\_\_\_\_

Printed Name: AMEY R. KHANOLKAR

Assignor Signature: \_\_\_\_\_  
Printed Name: Michael McMurtrey  
Residing at: \_\_\_\_\_

Date \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Assignor Signature: \_\_\_\_\_  
Printed Name: Kunal Mondal  
Residing at: \_\_\_\_\_

Date \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_


Printed Name: \_\_\_\_\_


Assignor Signature: \_\_\_\_\_ Date \_\_\_\_\_  
Printed Name: Brenden J. Heidrich  
Residing at: \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

Assignor Signature: \_\_\_\_\_ Date \_\_\_\_\_  
Printed Name: David H. Hurley  
Residing at: \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

Assignor Signature:  Date 7/15/24  
Printed Name: Michael McMurtrey  
Residing at: Idaho Falls, ID

ABOVE SIGNATURE WITNESSED BY:   
Printed Name: Zachary Thompson

Assignor Signature: \_\_\_\_\_ Date \_\_\_\_\_  
Printed Name: Kunal Mondal  
Residing at: \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_  
Printed Name: \_\_\_\_\_



Assignor Signature: \_\_\_\_\_  
Printed Name: Brenden J. Heidrich  
Residing at: \_\_\_\_\_

Date \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Assignor Signature: \_\_\_\_\_  
Printed Name: David H. Hurley  
Residing at: \_\_\_\_\_

Date \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Assignor Signature: \_\_\_\_\_  
Printed Name: Michael McMurtrey  
Residing at: \_\_\_\_\_

Date \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Assignor Signature: Kunal Mondal  
Printed Name: Kunal Mondal  
Residing at: Oak Ridge, TN

Date 06/22/2023

ABOVE SIGNATURE WITNESSED BY: Oscar A. Martinez

Printed Name: Oscar A. Martinez

Assignor Signature: [Signature]  
Printed Name: Lance Hone  
Residing at: Idaho Falls, ID

Date 7-11-23

ABOVE SIGNATURE WITNESSED BY: [Signature]  
Printed Name: Jessica L. Shurtliff

Assignor Signature: \_\_\_\_\_  
Printed Name: Robert D. Seifert  
Residing at: \_\_\_\_\_

Date \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

ASSIGNEE - BATTELLE ENERGY ALLIANCE, LLC


Date: \_\_\_\_\_


By: \_\_\_\_\_

Printed Name: Kimberly D. Evans Ross  
Title: Secretary and General Counsel

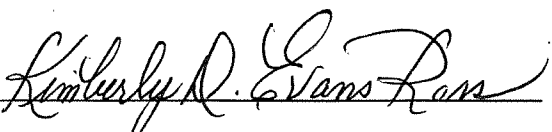
Assignor Signature: \_\_\_\_\_ Date \_\_\_\_\_  
Printed Name: Lance Hone  
Residing at: \_\_\_\_\_

ABOVE SIGNATURE WITNESSED BY: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

Assignor Signature:  \_\_\_\_\_ Date 06/26/2023  
Printed Name: Robert D. Seifert  
Residing at: IDAHO Falls, ID

ABOVE SIGNATURE WITNESSED BY:  \_\_\_\_\_  
Printed Name: Zachary Thompson

ASSIGNEE - BATTELLE ENERGY ALLIANCE, LLC

Date: July 13, 2023 By:  \_\_\_\_\_  
Printed Name: Kimberly D. Evans Ross  
Title: Secretary and General Counsel