

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3451632

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OAK RIDGE ASSOCIATED UNIVERSITIES	06/04/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UT-Battelle, LLC
<b>Street Address:</b>	One Bethel Valley Road
<b>Internal Address:</b>	4500N, MS-6258
<b>City:</b>	Oak Ridge
<b>State/Country:</b>	TENNESSEE
<b>Postal Code:</b>	37831-6258
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14633412
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(865)574-0381
<i>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.</i>	
<b>Phone:</b>	(865) 574-0393
<b>Email:</b>	warfielde@ornl.gov
<b>Correspondent Name:</b>	EDNA I. GERGEL
<b>Address Line 1:</b>	ONE BETHEL VALLEY ROAD
<b>Address Line 2:</b>	4500N, MS-6258
<b>Address Line 4:</b>	OAK RIDGE, TENNESSEE 37831-6258
<b>ATTORNEY DOCKET NUMBER:</b>	3228.0 ORAU TO UTB
<b>NAME OF SUBMITTER:</b>	ELIZABETH WARFIELD
<b>SIGNATURE:</b>	/Elizabeth Warfield/
<b>DATE SIGNED:</b>	07/23/2015
<b>Total Attachments: 3</b>	
source=3228 ORAU to UTB Assignment#page1.tif	
source=3228 ORAU to UTB Assignment#page2.tif	
source=3228 ORAU to UTB Assignment#page3.tif	

**ASSIGNMENT AGREEMENT BETWEEN  
UT-BATTELLE, LLC AND ORAU**

THIS AGREEMENT is by and between UT-Battelle, LLC a limited liability company organized and existing under the laws of the State of Tennessee (hereinafter "UT-BATTELLE") in accordance with its prime contract No. DE-AC05-00OR22725 (hereinafter "UT-Battelle's Prime Contract") with the U.S. Department of Energy (hereinafter DOE) and Oak Ridge Associated Universities (hereinafter "ORAU"), the not-for-profit operating contractor of the DOE's Oak Ridge Institute for Science and Education (hereinafter "ORISE") under its prime contract No. DE-AC05-06OR23100 (hereinafter "ORAU's Prime Contract") with the DOE, both being hereinafter jointly referred to as the "Parties" and singularly as a "Party."

**WHEREAS:**

- A.** The Parties have developed technology identified in the invention disclosures, patent applications, and/or patents listed in Exhibit A (hereinafter Proprietary Rights); and
- B.** The Parties desire that ORAU assign its undivided right, title, and interest to the Proprietary Rights to UT-BATTELLE to place ownership of all Proprietary Rights in a single Party, thereby promoting effective and successful commercialization of Proprietary Rights.

**NOW THEREFORE THE PARTIES AGREE AS FOLLOWS:**

1. In consideration of good and valuable consideration--including, but not limited to the promises contained in the Memorandum of Agreement between UT-BATTELLE and ORAU executed September 20, 2001--the receipt and sufficiency of such consideration being hereby acknowledged, ORAU by these presents does hereby sell, assign, transfer and set over unto UT-BATTELLE, its successors, legal representatives and assigns, its entire right, title, and interest (if any) in, to, and under the Proprietary Rights.
2. UT-BATTELLE shall share with ORAU portions of royalties UT-BATTELLE receives from licensees, if any, of the Proprietary Rights in accordance with the aforesaid Memorandum of Agreement.
3. UT-BATTELLE shall obligate any licensees of the Proprietary Rights to indemnify ORAU for any liability arising from the making, using, importing or selling of a product, process or service by or on behalf of the Licensee, its assignees or licensees which was derived from the Proprietary Rights, except for any negligent acts or omissions of ORAU.
4. UT-BATTELLE shall obligate any licensees of the Proprietary Rights as listed in Exhibit A to comply with all U. S. export control laws and regulations applicable to the export of the Proprietary Rights.
5. ORAU makes no warranties or representations of any kind regarding the Proprietary Rights.
6. The effective date of this agreement is April 20, 2015 and it shall run to and terminate upon the end of the life of the last-to-expire Proprietary Rights of Exhibit A.

In witness whereof the Parties have executed this agreement below:

UT-BATTELLE, LLC

By: Judson R. Hightower  
Name: Judson R. Hightower  
Title: IP Managing Attorney  
Date: 6/2/2015

OAK RIDGE ASSOCIATED UNIVERSITIES

By: Rachel F. Lokitz  
Name: Rachel F. Lokitz  
Title: Associate General Counsel  
Date: 6/3/15

**EXHIBIT A, PROPRIETARY RIGHTS**

UT-B Docket No.	Title (Patent Appl. No., Patent No.)	Contract Type & No.	Inventors		
			UT-Battelle	ORAU	Others
3228.0	Modulation of Ion Transport in a Liquid by Application of an Electric Potential on a Mesoporous Carbon Membrane Patent Appl. No.: 14/633,412	DE-AC05-00OR22725, DE-AC05-06OR23100	Sheng Dai Shannon M. Mahurin Ivan Vlassioug	Xiqing Wang Sumedh P. Surwade	