501838180 03/01/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Oak Ridge Associated Universities	02/28/2012	

RECEIVING PARTY DATA

Name:	UT-Battelle, LLC	
Street Address:	One Bethel Valley Road	
Internal Address:	4500N, MS-6258	
City:	Oak Ridge	
State/Country:	TENNESSEE	
Postal Code:	37831-6258	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13291480

CORRESPONDENCE DATA

 Fax Number:
 (865)574-0381

 Phone:
 (865) 574-4178

 Email:
 bowmanke@oml.gov

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Mail.

Correspondent Name: Joseph A. Marasco
Address Line 1: One Bethel Valley Road
Address Line 2: 4500N, MS-6258

Address Line 4: Oak Ridge, TENNESSEE 37831-6258

ATTORNEY DOCKET NUMBER:	2329.1 ORAU TO UTB
NAME OF SUBMITTER:	Karen E. Bowman

Total Attachments: 4

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PATENT REEL: 027789 FRAME: 0587 CH \$40.00 132914

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Form **PTO-1595** (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)

RECORDATION FORM COVER SHEET PATENTS ONLY				
	se record the attached documents or the new address(es) below.			
Name of conveying party(ies) Oak Ridge Associated Universities	2. Name and address of receiving party(ies) Name: UT-Battelle, LLC Internal Address: 4500N, MS-6258			
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s) 02/28/2012 Assignment Merger	Street Address: One Bethel Valley Road			
Security Agreement Change of Name Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other	City: Oak Ridge State: TN Country: USA Zip: 37831-6258 Additional name(s) & address(es) attached? Yes Vo			
4. Application or patent number(s): This A. Patent Application No.(s) 13/291,480 Additional numbers att	document is being filed together with a new application. B. Patent No.(s) tached? Yes No			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: Joseph A. Marasco	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00			
Internal Address: UT-Battelle, LLC	Authorized to be charged by credit card Authorized to be charged to deposit account			
Street Address: One Bethel Valley Road	Enclosed			
4500N, MS-6258	None required (government interest not affecting title)			
City: Oak Ridge	8. Payment Information			
State: TN Zip:37831-6258	a. Credit Card Last 4 Numbers Expiration Date			
Phone Number: (865) 574-4178	,			
Fax Number: <u>(865) 574-0381</u>	b. Deposit Account Number 13-1958			
Email Address: marascoja@ornl.gov	Authorized User Name Karen E. Bowman			
9. Signature: /Joseph A. Marasco/ Signature Joseph A. Marasco, Reg. No. 32,798 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

REEL: 027789 FRAME: 0588

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 January 31, 2012 and it shall run to and terminate upon the end of the life of the last-to-expire Proprietary Rights of Exhibit A.

v. 02/27/2003 1 of 3

PATENT REEL: 027789 FRAME: 0589

In witness whereof the Parties have executed this agreement below:

Name: Judson R. Hightower

Title: IP Managing Attorney

Date: 2/2/20/2

OAK RIDGE ASSOCIATED UNIVERSITIES

By: Rachel Lokitz

Title: Associate General Counsel

Date: 2/28/12

EXHIBIT A, PROPRIETARY RIGHTS

UT-B		Contract	Inventors		
Docket No.	Title (Patent Appl. No., Patent No.)	Type & No.	UT-Battelle	ORAU	Others
2329.1	Real Space Mapping of Ionic Diffusion	DE-AC05-00OR22725,	Sergei V. Kalinin	Amit Kumar	Nina Balke
	and Electrochemical Activity in Energy	DE-AC05-06ORR3100	Nancy J. Dudney		
	Storage and Conversion Materials		Stephen Jesse		

v. 02/27/2003 3 of 3

RECORDED: 03/01/2012

PATENT REEL: 027789 FRAME: 0591