

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Richard T. Mayes	10/18/2011
RECEIVING PARTY DATA	
Name:	Oak Ridge Associated Universities
Street Address:	120 Badger Avenue
City:	Oak Ridge
State/Country:	TENNESSEE
Postal Code:	37830
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13324641
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Address Line 4:	Oak Ridge, TENNESSEE 37831-6258
ATTORNEY DOCKET NUMBER:	2490 ORAU
NAME OF SUBMITTER:	Karen E. Bowman
Total Attachments: 3 source=2490 ORAU Assignment#page1.tif source=2490 ORAU Assignment#page2.tif source=2490 ORAU Assignment#page3.tif	

CH \$40.00 13324641

PATENT

# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
Richard T. Mayes

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: Oak Ridge Associated Universities  
Internal Address: \_\_\_\_\_  
Street Address: 120 Badger Avenue  
City: Oak Ridge  
State: TN  
Country: USA Zip: 37830  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) 10/18/2011

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.

A. Patent Application No.(s)  
13/234,641

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Edna I. Gergel  
Internal Address: UT-Battelle, LLC  
Street Address: One Bethel Valley Road  
4500N, MS-6258  
City: Oak Ridge  
State: TN Zip: 37831-6258  
Phone Number: (865) 574-0393  
Fax Number: (865) 574-0381  
Email Address: gergelei@ornl.gov

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 13-1958  
Authorized User Name Karen E. Bowman

**9. Signature:** \_\_\_\_\_ /Edna I. Gergel/ \_\_\_\_\_ 01/09/2012  
Signature Date

Edna I. Gergel, Reg. No. 50819  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

**ASSIGNMENT**

WHEREAS, I, the below-named inventor whose residence and post office are as stated below, am a co-inventor of certain new and useful improvements in

**INCREASING ION SORPTION AND DESORPTION RATES  
OF CONDUCTIVE ELECTRODES**

(hereinafter referred to as "Subject Invention") for which are described in United States Patent Application No. 13/234,641 filed on September 16, 2011, and

WHEREAS, Oak Ridge Associated Universities, the not-for-profit operating contractor of the U.S. Department of Energy's Oak Ridge Institute for Science and Education under its prime contract No. DE-AC05-06OR23100, having an address at 100 ORAU Way, Post Office Box 117, Mail Stop 27, Oak Ridge, Tennessee 37831-0117, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest of the undersigned in the Subject Invention and to any Letters Patent that may be granted therefore in the United States of America and in any and all foreign countries.

NOW, THEREFORE, in accordance with the terms of my employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign to ASSIGNEE my entire right, title and interest in the Subject Invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the Subject Invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the Subject Invention.

I hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, I hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said Subject Invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Invention in the United States of America and in any and all foreign countries.

I further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on me, my heirs, legal representatives, and assigns.

Full name of inventor: Richard T. Mayes

Signature: Richard T. Mayes Date: 10/18/2011

Residence: 10591 Missoula Way, Knoxville, Tennessee 37932

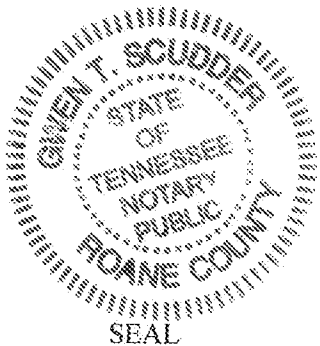
Post Office Address: 10591 Missoula Way, Knoxville, Tennessee 37932

State of Tennessee )  
County of ROANE )

On this 18 day of October, 2011, before me, a Notary Public in and for the County and State aforesaid, appeared **RICHARD T. MAYES** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

James A. Scudder  
Notary Public



My Commission Expires:

My Commission Expires Thursday, August 14, 2012.