

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Richard T. Mayes</td> <td>04/04/2013</td> </tr> <tr> <td>Sheng Dai</td> <td>06/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	Richard T. Mayes	04/04/2013	Sheng Dai	06/05/2013						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>UT-Battelle, LLC</td> </tr> <tr> <td>Street Address:</td> <td>One Bethel Valley Road</td> </tr> <tr> <td>Internal Address:</td> <td>4500N, MS-6258</td> </tr> <tr> <td>City:</td> <td>Oak Ridge</td> </tr> <tr> <td>State/Country:</td> <td>TENNESSEE</td> </tr> <tr> <td>Postal Code:</td> <td>37831-6258</td> </tr> </table>		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
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13851523</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13851523								
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CORRESPONDENCE DATA													
Fax Number: 8655740381 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (865) 574-0393 Email: vanceke@oml.gov Correspondent Name: Edna I. Gergel Address Line 1: One Bethel Valley Road Address Line 2: 4500N, MS-6258 Address Line 4: Oak Ridge, TENNESSEE 37831-6258													
ATTORNEY DOCKET NUMBER:	2963 UTB												
NAME OF SUBMITTER:	Karen E. Vance												
Signature:	/KE Vance/												

Date:

06/05/2013

Total Attachments: 4

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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
Sheng Dai

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 06/05/2013

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: UT-Battelle, LLC

Internal Address: 4500N, MS-6258

Street Address: One Bethel Valley Road

City: Oak Ridge

State: TN

Country: USA Zip: 37831-6258

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

13/851,523

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/
Signature

06/05/2013
Date

Edna I. Gergel, Reg. No. 50819

Name of Person Signing

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

4

ASSIGNMENT

WHEREAS, we the below-named inventors whose residences are as stated below, have an interest in an invention entitled:

Surface-Functionalized Mesoporous Carbon Materials

(hereinafter referred to as "Subject Invention") for which are described in United States Patent Application No. 13/851,523 filed on March 27, 2013, and

WHEREAS, UT-BATTELLE, LLC, a limited liability company of the State of Tennessee, having an office at One Bethel Valley Road, P. O. Box 2008, Oak Ridge, Tennessee 37831-6258, hereinafter referred to as "ASSIGNEE," is desirous of acquiring our entire right, title and interest of the undersigned in the same;

NOW, THEREFORE, in accordance with the terms of our employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to ASSIGNEE and its successors in interest our 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 patent applications therefor on the Subject Invention.

We 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, we 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.

We 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 us, our heirs, legal representatives, and assigns.

Full Name of Inventor: Richard T. Mayes

Signature: Richard T. Mayes Date: 4/4/2013

Residence: 10591 Missoula Way, Knoxville, Tennessee 37932

State of Tennessee)
County of ROCKWELL)

On this 4 day of April, 2013, 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.



David J. Scudder
Notary Public

SEAL

My Commission Expires:

My Commission Expires Monday, September 12, 2016.

Full Name of Inventor: Sheng Dai

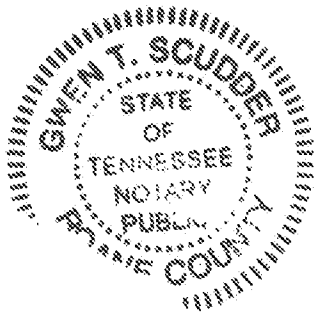
Signature: Sheng Dai Date: 6/15/2013

Residence: 698 Brochardt Boulevard, Knoxville, Tennessee 37934

State of Tennessee)
County of)

On this 5 day of JUNE, 2013, before me, a Notary Public in and for the County and State aforesaid, appeared **SHENG DAI** 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.



Gwen T. Scudder
Notary Public

SEAL

My Commission Expires:

My Commission Expires Monday, September 12, 2016.