

PATENT ASSIGNMENT COVER SHEET

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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>JAMES M. TOUR</td> <td>07/10/2013</td> </tr> <tr> <td>GARRY CHIH-CHAU HWANG</td> <td>07/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	JAMES M. TOUR	07/10/2013	GARRY CHIH-CHAU HWANG	07/10/2013
Name	Execution Date						
JAMES M. TOUR	07/10/2013						
GARRY CHIH-CHAU HWANG	07/10/2013						
RECEIVING PARTY DATA							
Name:	WILLIAM MARSH RICE UNIVERSITY						
Street Address:	6100 MAIN STREET						
City:	HOUSTON						
State/Country:	TEXAS						
Postal Code:	77005						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2011057695</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2011057695		
Property Type	Number						
PCT Number:	US2011057695						
CORRESPONDENCE DATA							
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Email:	famini@winstead.com						
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	11321-P211WO						
NAME OF SUBMITTER:	FARHANG AMINI, PH.D.						
Signature:	/Farhang Amini/						
Date:	11/25/2013						
Total Attachments: 2 source=Assignment_Rice#page1.tif source=Assignment_Rice#page2.tif							

CH \$40.00 US2011057695

Assignment of Invention

WHEREAS, James M. Tour, 4625 Spruce Street, Bellaire, Texas 77401, United States of America and Garry Chih-Chau Hwang, 1414 Richmond Ave., Apt. 2007, Houston, Texas 77006, United States of America have invented certain new and useful improvements in "POLYETHYLENIMINE-MESOCARBON (PEI-CMK-3) COMPOSITE USED AS CO2 ADSORBENT" for which a provisional application was filed on October 25, 2010 under Serial Number 61/406,381; and in "COMPOSITE MATERIALS FOR REVERSIBLE CO2 CAPTURE " for which an international PCT application was filed on October 25, 2011 under Serial Number PCT/US2011/057695, and for which a U.S. national stage application was filed on April 25, 2013 under Serial Number 13/881,428;

WHEREAS, WILLIAM MARSH RICE UNIVERSITY a university organized under the laws of Texas, having a principal office and place of business at 6100 Main Street, Houston, Texas 77005 United States of America (hereinafter ASSIGNEE) desires to jointly acquire from James M. Tour, Garry Chih-Chau Hwang and Jay R. Lomeda the entire right, title and interest they have in and to said invention and to any Letters Patent that may be granted thereof from said applications in the United States and its territorial possessions, and any and all countries foreign to the United States of America;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, We, by these presents so sell, assign and transfer unto said ASSIGNEE, all of my rights to the said invention in the United States and its territorial possessions and all countries foreign to the United States of America, and my entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof, and to any and all Letters Patent which may be granted therefore in all countries foreign to the United States.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and Patent Office Officials in all countries foreign to the United States to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the use and behalf of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted,

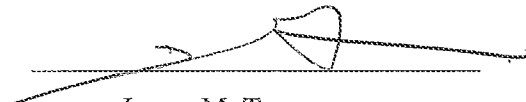
as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions, and in all countries foreign to the United States.

The undersigned hereby grants authorized representatives of the above identified ASSIGNEE the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

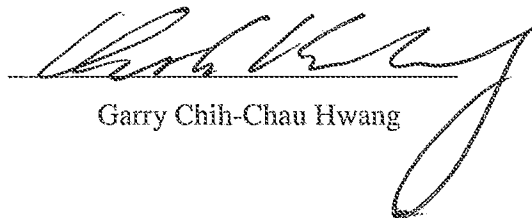
EXECUTED AT: Houston, TX USA
(City, State, Country)

Date: 7/10/2013


James M. Tour

EXECUTED AT: Houston, TX ~~Harris~~ US
(City, State, Country)

Date: 7/10/2013


Garry Chih-Chau Hwang