

PATENT ASSIGNMENT

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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>Robert Hauge</td> <td>04/03/2012</td> </tr> <tr> <td>Ya-Qiong Xu</td> <td>09/20/2011</td> </tr> </tbody> </table>		Name	Execution Date	Robert Hauge	04/03/2012	Ya-Qiong Xu	09/20/2011				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>William Marsh Rice University</td> </tr> <tr> <td>Street Address:</td> <td>6100 Main Street</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77005</td> </tr> </table>		Name:	William Marsh Rice University	Street Address:	6100 Main Street	City:	Houston	State/Country:	TEXAS	Postal Code:	77005
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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>12278736</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12278736						
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Application Number:	12278736										
CORRESPONDENCE DATA											
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ATTORNEY DOCKET NUMBER:	11321-P118WOUS										
NAME OF SUBMITTER:	Farhang Amini, Ph.D.										
<p>Total Attachments: 3</p> <p>source=26040 Assignment For US Application No 12 278 736 (complete signatures)#page1.tif</p> <p>source=26040 Assignment For US Application No 12 278 736 (complete signatures)#page2.tif</p> <p>source=26040 Assignment For US Application No 12 278 736 (complete signatures)#page3.tif</p>											

CH \$40.00 12278736

PATENT

Assignment of Invention

WHEREAS, Robert Hauge, residing at 4031 Turnberry Circle, Houston, Texas 77025, United States of America and **Ya-Qiong Xu**, residing at 4010 Linkwood Drive, No. 1069, Houston, Texas 77025, United States of America have invented certain new and useful improvements in "**PRODUCTION OF VERTICAL ARRAYS OF SMALL DIAMETER SINGLE-WALLED CARBON NANOTUBES**" for which an application was filed on November 17, 2008 under Serial Number 12/278,736,

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 (hereinafter ASSIGNEE) desires to jointly acquire from Robert Hauge and Ya-Qiong Xu 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.

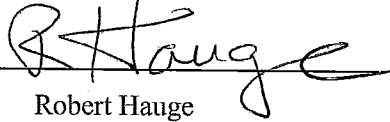
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and Patent Office Officials in all countries foreign to the United States to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title 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: _____
(City, State, Country)

Date: 4/3/2012


Robert Hauge

EXECUTED AT: _____
(City, State, Country)

Date: _____

Ya-Qiong Xu

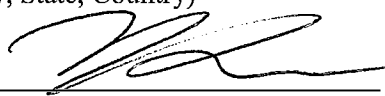
Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment 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.

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EXECUTED AT: _____
(City, State, Country)

Date: _____
Robert Hauge

EXECUTED AT: Nashville, TN. Davidson
(City, State, Country)

Date: 9/20/2011

Ya-Qiong Xu