

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>Jibeom Yoo</td> <td>01/16/2012</td> </tr> <tr> <td>Shashikant P. Patole</td> <td>01/16/2012</td> </tr> <tr> <td>Hyunmyoung Lee</td> <td>01/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jibeom Yoo	01/16/2012	Shashikant P. Patole	01/16/2012	Hyunmyoung Lee	01/16/2012				
Name	Execution Date												
Jibeom Yoo	01/16/2012												
Shashikant P. Patole	01/16/2012												
Hyunmyoung Lee	01/16/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Research & Business Foundation Sungkyunkwan University</td> </tr> <tr> <td>Street Address:</td> <td>c/o Sungkyunkwan Univ.</td> </tr> <tr> <td>Internal Address:</td> <td>300 Cheoncheon-dong, Jangan-gu</td> </tr> <tr> <td>City:</td> <td>Suwon-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> <tr> <td>Postal Code:</td> <td>440-746</td> </tr> </table>		Name:	Research & Business Foundation Sungkyunkwan University	Street Address:	c/o Sungkyunkwan Univ.	Internal Address:	300 Cheoncheon-dong, Jangan-gu	City:	Suwon-si, Gyeonggi-do	State/Country:	REPUBLIC OF KOREA	Postal Code:	440-746
Name:	Research & Business Foundation Sungkyunkwan University												
Street Address:	c/o Sungkyunkwan Univ.												
Internal Address:	300 Cheoncheon-dong, Jangan-gu												
City:	Suwon-si, Gyeonggi-do												
State/Country:	REPUBLIC OF KOREA												
Postal Code:	440-746												
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>13298752</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13298752								
Property Type	Number												
Application Number:	13298752												
CORRESPONDENCE DATA													
Fax Number:	(216)579-6073												
Phone:	216-579-1700												
Email:	cdavis@pearne.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Pearne & Gordon LLP												
Address Line 1:	1801 East 9th Street												
Address Line 2:	Suite 1200												
Address Line 4:	Cleveland, OHIO 44114-3108												
ATTORNEY DOCKET NUMBER:	MAPS-48780												
NAME OF SUBMITTER:	Michael W. Garvey												
Total Attachments: 2 source=MAPS-48780-Assignment#page1.tif source=MAPS-48780-Assignment#page2.tif													

CH \$40.00 13298752

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

METHOD FOR FABRICATING THREE DIMENSIONAL GRAPHENE STRUCTURES USING CATALYST TEMPLATES

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the date(s) indicated on the Declaration by the same, which application is further identified as Pearne & Gordon LLP Docket No. _____.

WHEREAS, **Research & Business Foundation Sungkyunkwan University**, having a place of business at **c/o Sungkyunkwan Univ., 300 Cheoncheon-dong, Jangan-gu, Suwon-si, Gyeonggi-do 440-746, Republic of Korea**, hereinafter referred to as "assignees", are desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventors' certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignees, their successors and assigns by the undersigned according to the Interests stated above; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignees' request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignees, their successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignees as owners of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignees as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grant the firm of Pearne & Gordon LLP 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.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) Inventor Name: Jiheom YOO

Signature: 

Today's Date: Jan. 16, 2012

Witness: _____

Witness: _____

(2) Inventor Name: Shashikant P. Patole


Signature: 

Today's Date: Jan. 16, 2012

Witness: _____

Witness: _____

(3) Inventor Name: Hyunmyoung LEE

Signature: 

Today's Date: Jan. 16, 2012

Witness: _____

Witness: _____