

## 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>Kian Ping Loh</td> <td>07/20/2011</td> </tr> <tr> <td>Junzhong Wang</td> <td>07/20/2011</td> </tr> </tbody> </table>		Name	Execution Date	Kian Ping Loh	07/20/2011	Junzhong Wang	07/20/2011
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Kian Ping Loh	07/20/2011						
Junzhong Wang	07/20/2011						
RECEIVING PARTY DATA							
Name:	National University of Singapore						
Street Address:	21 Lower Kent Ridge Road						
City:	Singapore						
State/Country:	SINGAPORE						
Postal Code:	119077						
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>13806713</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13806713		
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Application Number:	13806713						
CORRESPONDENCE DATA							
Fax Number:	3212565100						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	941-378-2744						
Email:	JG@OPTICUS-IP.COM						
Correspondent Name:	OPTICUS IP LAW, PLLC						
Address Line 1:	7791 ALISTER MACKENZIE DRIVE						
Address Line 4:	SARASOTA, FLORIDA 34240						
ATTORNEY DOCKET NUMBER:	10138N-12US1						
NAME OF SUBMITTER:	Joseph E. Gortych						
<p>Total Attachments: 4          source=10138N_ASSIGN_EFS#page1.tif          source=10138N_ASSIGN_EFS#page2.tif          source=10138N_ASSIGN_EFS#page3.tif          source=10138N_ASSIGN_EFS#page4.tif</p>							

OP \$40.00 13806713

PATENT

## ASSIGNMENT

THIS ASSIGNMENT is made this 20 day of July 2011 between:

1. LOH, Kian Ping, a citizen of Singapore of c/o National University of Singapore, Faculty of Science, Department of Chemistry, 21 Lower Kent Ridge Road, Singapore 119077;
2. WANG, Junzhong, a citizen of People's Republic of China of c/o National University of Singapore, NUS Nanoscience and Nanotechnology Initiative, 21 Lower Kent Ridge Road, Singapore 119077;

("the Assignors") of the one part; and

1. NATIONAL UNIVERSITY OF SINGAPORE of 21 Lower Kent Ridge Road, Singapore 119077;

("the Assignee") of the other part.

### WHEREAS

- A. The Assignors jointly developed an invention relating to "Methods of Forming Graphene By Graphite Exfoliation" ("the Invention"), which has been filed as U.S. Patent Application No. 61/398,468 on 25 June 2010, and Patent Cooperation Treaty (PCT) Application No. PCT/SG2011/000225 on 24 June 2011 claiming priority to U.S. Patent Application No. 61/398,468 dated 25 June 2010 ("Patent Applications").
- B. The Assignors have previously agreed to assign and transfer to the Assignee all its rights, title and interests in the Invention and Patent Applications in all countries in the world ("the Territory") and that the Assignee should be substituted as the applicant in its place. They wish to formalise and confirm the assignment in this agreement ("Assignment").

### NOW THIS ASSIGNMENT WITNESSETH AS FOLLOWS:

1. In consideration of the sum of One Singapore dollar (S\$1) now paid by the Assignee to the Assignors, receipt of which the Assignors hereby acknowledge, the Assignors assign to the Assignee, free from all encumbrances, all right, title and interest in respect of the Invention and the Patent Applications, all divisions, continuations or reissues filed thereon, all patents granted thereon, and TOGETHER WITH their right to apply for and obtain patents or other similar forms of protection in respect of the Invention or any part or parts of the Invention in the Territory and the right to claim priority of the Patent Applications when making

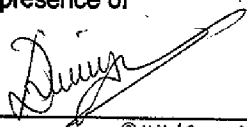
applications in the Territory TOGETHER WITH the right to bring proceedings for infringement in the Territory for any previous infringement TO HOLD the same unto the Assignee and its successors and assign absolutely.

2. The Assignors hereby covenant with the Assignee that the Assignors have the full right to convey the entire interest here assigned, have not done or knowingly suffered or been party or privy to any act or thing whereby the Assignors are prevented from assigning the Invention and the Patent Applications, and have not and will not execute any agreement in conflict herewith. The Assignors undertake they will not publish or disclose any particulars of the Invention and the Patent Applications to any person without the prior written consent of the Assignee.
3. At the request and cost of the Assignee, the Assignors shall execute all such documents and do all such acts as may be necessary to enable the Assignee or its successors, assigns, or other legal representatives to enjoy the full benefit of the rights confirmed and assigned by this Assignment including applying for and obtaining a patent or patents or other similar forms of protection in respect of the Invention in the Territory, vesting their right in the same in the Assignee when obtained, and testifying as to facts relating to the application and patents granted thereon in any litigation when requested to do so without further compensation, but at the expense of Assignee, its successors or other legal representatives.
4. This Assignment may be entered into in any number of counterparts, all of which taken together shall constitute one and the same instrument. Any party hereto may enter into this Assignment by signing any such counterpart.

IN WITNESS whereof the Assignors and Assignee have hereunto executed this Assignment the date and year first above written.

**Assignors**

Signed by  
**LOH, Kian Ping**  
in the presence of

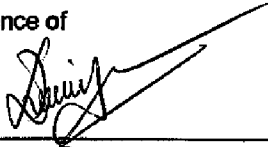


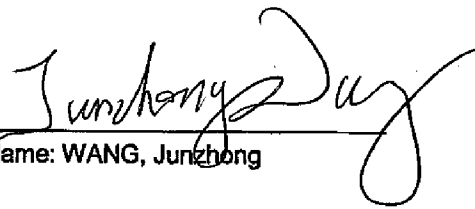
Witness Name: *Divya Manikal*  
Witness Designation: *RESEARCH ASSISTANT*



Name: LOH, Kian Ping

Signed by  
**WANG, Junzhong**  
in the presence of



)  
)  
)   
Name: WANG, Junzhong

Witness Name: **DIVYA MANIKAL**  
Witness Designation: **RESEARCH ASSISTANT**

**Assignees**

Signed for and on behalf of )  
**NATIONAL UNIVERSITY OF SINGAPORE** )  
in the presence of )

\_\_\_\_\_  
Signatory Name:  
Designation:

\_\_\_\_\_  
Witness Name:  
Witness Designation:


Signed by )  
**WANG, Junzhong** )  
in the presence of )


\_\_\_\_\_  
Name: WANG, Junzhong

\_\_\_\_\_  
Witness Name:  
Witness Designation:

**Assignees**

Signed for and on behalf of )  
**NATIONAL UNIVERSITY OF SINGAPORE** )  
in the presence of )

  
\_\_\_\_\_  
Signatory Name: Ms Irene Cheong  
Designation: Director, Industry Liaison Office

  
\_\_\_\_\_  
Witness Name: Narhza  
Witness Designation: MPO