

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>Lain-Jong Li</td> <td>12/21/2011</td> </tr> <tr> <td>Ching-Yuan Su</td> <td>12/21/2011</td> </tr> <tr> <td>Ang-Yu Lu</td> <td>12/23/2011</td> </tr> <tr> <td>Chih-Yu Wu</td> <td>12/26/2011</td> </tr> <tr> <td>Keng-Ku Liu</td> <td>12/21/2011</td> </tr> </tbody> </table>		Name	Execution Date	Lain-Jong Li	12/21/2011	Ching-Yuan Su	12/21/2011	Ang-Yu Lu	12/23/2011	Chih-Yu Wu	12/26/2011	Keng-Ku Liu	12/21/2011
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<table border="1"> <tr> <td>Name:</td> <td>Academia Sinica</td> </tr> <tr> <td>Street Address:</td> <td>128 Academia Sinica Road, Sec. 2, Nan-Kang</td> </tr> <tr> <td>City:</td> <td>Taipei</td> </tr> <tr> <td>State/Country:</td> <td>TAIWAN</td> </tr> <tr> <td>Postal Code:</td> <td>11529</td> </tr> </table>		Name:	Academia Sinica	Street Address:	128 Academia Sinica Road, Sec. 2, Nan-Kang	City:	Taipei	State/Country:	TAIWAN	Postal Code:	11529		
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CORRESPONDENCE DATA													
Fax Number: (877)769-7945 Phone: (617) 542-5070 Email: apsi@fr.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: Rex I. Huang Address Line 1: FISH & RICHARDSON P.C. Address Line 2: P.O.BOX 1022 Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022													
ATTORNEY DOCKET NUMBER:	08919-0168001												
NAME OF SUBMITTER:	Diane M. Saturno												

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Total Attachments: 6

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ASSIGNMENT

For valuable consideration, we, LAKE-RONG LI of No. 303, Sec. 2, Gungui Fu Road, Hsin-Chu City, Taiwan, 300 CHING-YUAN SHI of No. 7, Street 12, Yi-Shih Road 10, Taiping City, Taichung, Taiwan, ANG-YU LI of No. 108-12-11, Zhonggong Rd, Beitun District, Taichung, Taiwan, CHIH-YU WU of No. 26, Aly. 29, Ln. 255, Zhongqi N. Rd., Taichung City, Taichung County 950, Taiwan, and KENG-LI LI of No. 69, Kinyen 1st St., Dali District, Taichung City 412, Taiwan, hereby assign to Academia Sinica, an academic institution of Taiwan located at 128 Academia Sinica Road, Sec. 2, Nan-Kang, Taipei, 11529, Taiwan, R.O.C., and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements (which are subject of an application for United States Patent signed by us, entitled DIRECT GROWTH OF GRAPHENE ON SUBSTRATES, filed January 9, 2012, and assigned U.S. Serial Number 13/346,152) and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 2011. 12. 21

Lain-Jong Li
LAIN-JONG LI

Witnessed by:

Name: [Signature]

Date: 2011. 12. 21

Name: Te-Pen Lu

Date: 2011. 12. 21

Date: 2011. 12. 21

Ching-Yuan Su
CHING-YUAN SU

Witnessed by:

Name: Hsiao-Yu Lu

Date: 2011. 12. 26

Name: Phan Thi Kim Loan

Date: 2011. 12. 26

Date: _____

ANG-YU LU

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: 2011.12.26 Chih-Yu Wu
CHIH-YU WU

Witnessed by:

Name: Wenjing Zhang Date: 2011-12-26

Name: Tzu-Wen Zhang Date: 2011-12-26

Date: 2011.12.21 Keng-Ku Liu
KENG-KU LIU

Witnessed by:

Name: Jacob Tzu-wei Zhang Date: 2011.12.21

Name: Chieh-Chieh Tseng Date: 2011.12.21

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ASSIGNMENT

For valuable consideration, we, LAKE-RONG LI of No. 303, Sec. 2, Gung Fu Road, Hsin-Chu City, Taiwan, 300 CHING-YUAN SHI of No. 7, Street 12, Yi-Shih Road 10, Taiping City, Taichung, Taiwan, ANG-YU LI of No. 108-12-11, Zhongxing Rd, Beitun District, Taichung, Taiwan, CHIH-YU WU of No. 26, Aly. 29, Ln. 255, Zhongqi N. Rd., Taichung City, Taichung County 950, Taiwan, and KENG-LI LI of No. 69, Kinyen 1st St., Dali District, Taichung City 412, Taiwan, hereby assign to Academia Sinica, an academic institution of Taiwan located at 128 Academia Sinica Road, Sec. 2, Nan-Kang, Taipei, 11529, Taiwan, R.O.C., and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements (which are subject of an application for United States Patent signed by us, entitled DIRECT GROWTH OF GRAPHENE ON SUBSTRATES, filed January 9, 2012, and assigned U.S. Serial Number 13/346,152) and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: _____

LAIN-JONG LI

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

CHING-YUAN SU

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: 23-Dec-2011

Ang-Yun Lin
ANG-YUN LIN

Witnessed by:

Name: Yumeng Shi

Date: 23-Dec-2011

Name: Wenjing Fang

Date: 23-Dec-2011

Date: _____

CHIH-YU WU

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

KENG-KU LIU

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

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