

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hidefumi HIURA</td> <td>07/24/2009</td> </tr> <tr> <td>Fumiyuki NIHEI</td> <td>07/24/2009</td> </tr> <tr> <td>Tetsuya TADA</td> <td>07/24/2009</td> </tr> <tr> <td>Toshihiko KANAYAMA</td> <td>07/24/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hidefumi HIURA	07/24/2009	Fumiyuki NIHEI	07/24/2009	Tetsuya TADA	07/24/2009	Toshihiko KANAYAMA	07/24/2009
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<b>RECEIVING PARTY DATA</b>											
Name:	NEC CORPORATION										
Street Address:	7-1, Shiba 5-chome										
City:	Minato-ku, Tokyo										
State/Country:	JAPAN										
Postal Code:	108-8001										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12529501</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12529501						
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Application Number:	12529501										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(202)293-7860										
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Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20037										
ATTORNEY DOCKET NUMBER:	Q114774										
NAME OF SUBMITTER:	Howard L. Bernstein										

CH \$40.00 12529501

**500951871**

**PATENT  
 REEL: 023178 FRAME: 0566**

Total Attachments: 1

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# Assignment

Whereas, I/We, Hidefumi HIURA and Fumiyuki NIHEI of Tokyo, Japan and Tetsuya TADA and Toshihiko KANAYAMA of Ibaraki, Japan, hereinafter called assignor(s), have invented certain improvements in

SEMICONDUCTOR DEVICE USING GRAPHENE AND METHOD OF  
MANUFACTURING THE SAME


as set forth in an application for Letters Patent of the United States of America corresponding to international application No. PCT/JP2008/053899 filed on February 27, 2008; and


Whereas, NEC Corporation,  
7-1, Shiba 5-chome, Minato-ku, Tokyo108-8001 Japan and  
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;


Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,


I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 12/529,501 and Confirmation number 3854, filed September 1, 2009) the filing date and application number of said application when known.

Date: July 24, 2009 Hidefumi Hiura   
s/ Hidefumi HIURA

Date: July 24, 2009 Fumiyuki Nihei   
s/ Fumiyuki NIHEI

Date: July 24, 2009 Tetsuya Tada   
s/ Tetsuya TADA

Date: July 24, 2009 Toshihiko Kanayama   
s/ Toshihiko KANAYAMA

Date: \_\_\_\_\_  
s/ \_\_\_\_\_

Witness: Moto Kimura Horiyuki Uchida

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)