

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Junjing Bao</td> <td>12/03/2012</td> </tr> <tr> <td>Griselda Bonilla</td> <td>12/12/2012</td> </tr> <tr> <td>Samuel S. Choi</td> <td>12/05/2012</td> </tr> <tr> <td>Ronald G. Filippi</td> <td>12/03/2012</td> </tr> <tr> <td>Naftali E. Lustig</td> <td>12/03/2012</td> </tr> <tr> <td>Andrew H. Simon</td> <td>12/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Junjing Bao	12/03/2012	Griselda Bonilla	12/12/2012	Samuel S. Choi	12/05/2012	Ronald G. Filippi	12/03/2012	Naftali E. Lustig	12/03/2012	Andrew H. Simon	12/12/2012
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>International Business Machines Corporation</td> </tr> <tr> <td>Street Address:</td> <td>New Orchard Road</td> </tr> <tr> <td>City:</td> <td>Armonk</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10504</td> </tr> </table>		Name:	International Business Machines Corporation	Street Address:	New Orchard Road	City:	Armonk	State/Country:	NEW YORK	Postal Code:	10504				
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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>13716636</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13716636										
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CORRESPONDENCE DATA															
<p>Fax Number: 6074294119  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 845-894-4279        Email: bhsmith@us.ibm.com        Correspondent Name: IBM CORP - Endicott Drafting Center        Address Line 1: 2070 Route 52        Address Line 4: Hopewell Junction, NEW YORK 12533</p>															
ATTORNEY DOCKET NUMBER:	FIS920120244US1														
NAME OF SUBMITTER:	Isaac J. Gooshaw														

CH \$40.00 13716636

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 12**

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**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN  
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Title of Invention: **GRAPHENE AND METAL INTERCONNECTS**

As a below named inventor, I hereby declare that:

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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: **Junjing Bao**

Signature:  Date: 12/3/2012

(2) Legal Name of Inventor: **Griselda Bonilla**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Samuel S. Choi**

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Signature:  \_\_\_\_\_ Date: 12/12/2012

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Griselda Bonilla**

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(3) Legal Name of Inventor: **Samuel S. Choi**

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(5) Legal Name of Inventor: Naftali E. Lustig

Signature: Naftali E. Lustig Date: 12/3/12

(6) Legal Name of Inventor: Andrew H. Simon

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Signature: Andrew H. Simon Date: Dec 12, 2012