

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Eduard A. Cartier</td><td>06/02/2011</td></tr> <tr><td>Changhwan Choi</td><td>05/19/2011</td></tr> <tr><td>Elizabeth A. Duch</td><td>06/03/2011</td></tr> <tr><td>Bruce B. Doris</td><td>05/18/2011</td></tr> <tr><td>Young-Hee Kim</td><td>05/17/2011</td></tr> <tr><td>Vijay Narayanan</td><td>06/02/2011</td></tr> <tr><td>Vamsi K. Paruchuri</td><td>06/03/2011</td></tr> </tbody> </table>		Name	Execution Date	Eduard A. Cartier	06/02/2011	Changhwan Choi	05/19/2011	Elizabeth A. Duch	06/03/2011	Bruce B. Doris	05/18/2011	Young-Hee Kim	05/17/2011	Vijay Narayanan	06/02/2011	Vamsi K. Paruchuri	06/03/2011
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CORRESPONDENCE DATA																	
<p>Fax Number: (732)542-2283 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 732-542-2280 Email: tcarter@walltong.com Correspondent Name: Kin-Wah Tong, Esq. Address Line 1: 25 James Way Address Line 2: Wall & Tong, LLP Address Line 4: Eatontown, NEW JERSEY 07724</p>																	
ATTORNEY DOCKET NUMBER:	YOR920070497SU1																

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PATENT
REEL: 026428 FRAME: 0152

NAME OF SUBMITTER:

Kin-Wah Tong

Total Attachments: 56

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IBM DOCKET NUMBER: YOR920070497US1

Executed by Inventor 1 of 7

Signature: _____ Date: _____
CHANGHWAN CHOI

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ELIZABETH A. DUCH

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VIJAY NARAYANAN

IBM DOCKET NUMBER: YOR920070497US1

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Signature: _____ Date: _____
VAMSI K. PARUCHURI

Executed by Inventor 7 of 7

Signed: Edward A. Cartier Date: 2nd June, 2011
EDWARD A. CARTIER

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05/19/2011

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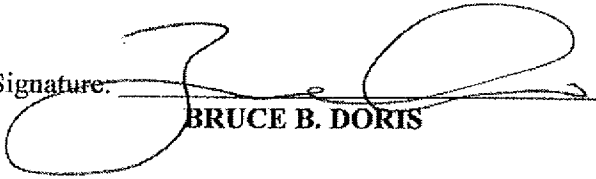
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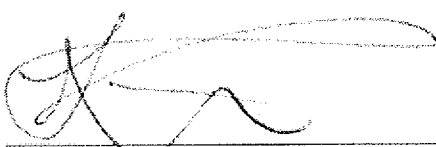
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Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers 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 representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

IBM DOCKET NUMBER: YOR920070497US1

Executed by Inventor 1 of 7

Signature: _____ Date: _____
CHANGHWAN CHOI

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Executed by Inventor 2 of 7

Signature: _____ Date: _____
ELIZABETH A. DUCH

IBM DOCKET NUMBER: YOR920070497US1

Executed by Inventor 3 of 7

Signature: _____ Date: _____
BRUCE B. DORIS

IBM DOCKET NUMBER: YOR920070497US1

Executed by Inventor 4 of 7

Signature: _____ Date: _____
YOUNG-HEE KIM

Executed by Inventor 5 of 7

Signature: _____

Vijay Narayanan
VIJAY NARAYANAN

Date: _____

2nd June, 2011

IBM DOCKET NUMBER: YOR920070497US1

Executed by Inventor 6 of 7

Signature: _____ Date: _____
VAMSI K. PARUCHURI

IBM DOCKET NUMBER: YOR920070497US1

Executed by Inventor 7 of 7

Signature: _____ Date: _____
EDUARD A. CARTIER

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: **METHOD AND APPARATUS FOR FABRICATING A HIGH-PERFORMANCE BAND-EDGE COMPLEMENTARY METAL-OXIDE-SEMICONDUCTOR DEVICE**

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Serial Number: 12/013,846 (insert series code and serial number here if/when available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers 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 representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

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YOUNG-HEE KIM

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Signature: _____ Date: _____
VIJAY NARAYANAN

Executed by Inventor 6 of 7

Signature: P. Vamsi Krishna Date: 06/03/2011
VAMSI K. PARUCHURI

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Signature: _____ Date: _____
EDUARD A. CARTIER