

PATENT ASSIGNMENT

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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>Execution Date</th> </tr> </thead> <tbody> <tr><td>Renata Camillo-Castillo</td><td>05/19/2010</td></tr> <tr><td>Mattias E. Dahlstrom</td><td>05/19/2010</td></tr> <tr><td>Peter B. Gray</td><td>05/19/2010</td></tr> <tr><td>David L. Harame</td><td>06/14/2010</td></tr> <tr><td>Russell T. Herrin</td><td>05/20/2010</td></tr> <tr><td>Alvin J. Joseph</td><td>05/21/2010</td></tr> <tr><td>Andreas D. Stricker</td><td>05/24/2010</td></tr> </tbody> </table>		Name	Execution Date	Renata Camillo-Castillo	05/19/2010	Mattias E. Dahlstrom	05/19/2010	Peter B. Gray	05/19/2010	David L. Harame	06/14/2010	Russell T. Herrin	05/20/2010	Alvin J. Joseph	05/21/2010	Andreas D. Stricker	05/24/2010
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RECEIVING PARTY DATA																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <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						
Name:	International Business Machines Corporation																
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CORRESPONDENCE DATA																	
Fax Number: (410)630-1656 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 410-705-6400 Email: baumann@gibbiplaw.com Correspondent Name: FREDERICK W. GIBB, III Gibb Intellectual Address Line 1: 844 West Street Address Line 2: SUITE 100 Address Line 4: ANNAPOLIS, MARYLAND 21401																	
ATTORNEY DOCKET NUMBER:	BUR920090071US1																

CH \$40.00 12817249

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PATENT
REEL: 024549 FRAME: 0284

NAME OF SUBMITTER:

Pamela M. Riley

Total Attachments: 4

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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: **TRANSISTOR STRUCTURE WITH A SIDEWALL-DEFINED INTRINSIC BASE TO EXTRINSIC BASE LINK-UP REGION AND METHOD OF FORMING THE STRUCTURE**

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: _____ (insert series code and serial number here if/when available)

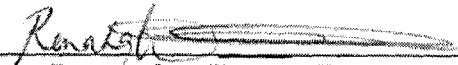
Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention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

[Inventor Signature Page(s) Follows]

Executed by Inventor 1

Signature:  Date: 5/19/2010
Renata Camillo-Castillo

Executed by Inventor 2

Signature:  Date: 5/19/2010
Mattias E. Dahlstrom

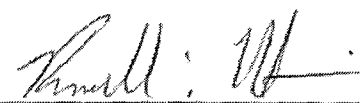
Executed by Inventor 3

Signature:  Date: 5/19/2010
Peter B. Gray

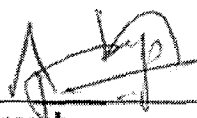
Executed by Inventor 4

Signature:  Date: 6/24/2010
David L. Harame

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Signature:  Date: 5/20/10
Russell T. Herrin

Executed by Inventor 6

Signature:  Date: 5/21/10
Alvin J. Joseph

Executed by Inventor 7

Signature: _____ Date: _____
Andreas D. Stricker

Executed by Inventor 6

Signature: _____ Date: _____
Alvin J. Joseph

Executed by Inventor 7

Signature: *A. Stricker* Date: 05/24/2010
Andreas D. Stricker