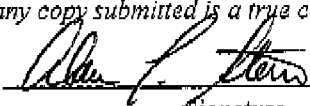


**RECORDATION FORM COVER SHEET****PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached document(s) or the new address(es) below:

<b>1. Name of conveying party(ies):</b> Bruce B. DORIS Kangguo CHENG Ali KHAKIFIROOZ Pranita KULKARNI Ghavam G. SHAHIDI Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies):</b> Name: International Business Machines Corporation Address: New Orchard Road City: Armonk State: NY ZIP Code: 10504 Country: Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of Conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date(s): 08/20/2010, 08/19/2010, 08/18/2010, 08/18/2010, 08/18/2010, respectively	
<b>4. Application number(s) or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s): 12/861,976 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B. Patent No.(s):
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b> Name: Alan Stern Address: Harrington & Smith, Attorneys at Law, LLC 4 Research Drive, Suite 202 City: Shelton State: CT ZIP Code: 06484-6212	<b>6. Total number of applications and/or patents involved:</b> ..... 1 <b>7. Total fee (37 CFR 3.41):</b> .....\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account <b>8. Deposit account number:</b> <u>50-0510</u>
<b>9. Signature:</b> <i>If this is a new cover sheet to correct an error in a recorded document, the information provided on this new cover sheet is true and correct and any copy submitted is a true copy of the original document.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <u>Alan Stern</u>            Name of Person Signing         </div> <div style="text-align: center;">             Signature         </div> <div style="text-align: center;"> <u>8/24/2010</u>            Date         </div> </div> <div style="text-align: right; margin-top: 10px;">           Total number of pages including cover sheet(s), attachments, and documents: 7            Page 1 of 7         </div>	

CH \$40.00 500510 12861976

IBM DOCKET NUMBER: YOR920100291US1

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: **SAME CHIP MULTICHARACTERISTIC SEMICONDUCTOR  
STRUCTURES**

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:

Application No.: \_\_\_\_\_ (insert series code /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;

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[Inventor Signature Page(s) Follows]

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Executed by Inventor 1

Signature: 

Bruce B. DORIS

Date:

8/26/2010

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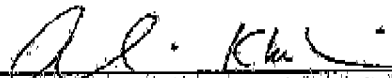
Executed by Inventor 2

Signature:   
Kangguo CHENG

Date: 8/19/2010

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Signature:  Date: 8-18-2010  
ALI KHAKIFIROOZ

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

Pranita KULKARNI

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

08/18/2010

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**Executed by Inventor 5**

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Signature: *Ghavam G. Shahidi*  
Ghavam G. SHAHIDI

Date: August 18, 2010