

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>John E. Barth Jr.</td> <td>07/30/2008</td> </tr> <tr> <td>Kangguo Cheng</td> <td>07/31/2008</td> </tr> <tr> <td>Michael Sperling</td> <td>07/30/2008</td> </tr> <tr> <td>Geng Wang</td> <td>07/31/2008</td> </tr> </tbody> </table>		Name	Execution Date	John E. Barth Jr.	07/30/2008	Kangguo Cheng	07/31/2008	Michael Sperling	07/30/2008	Geng Wang	07/31/2008
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Geng Wang	07/31/2008										
RECEIVING PARTY DATA											
Name:	International Business Machines Corporation										
Street Address:	New Orchard Road										
City:	Armonk										
State/Country:	NEW YORK										
Postal Code:	10504										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12186780</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12186780						
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Application Number:	12186780										
CORRESPONDENCE DATA											
Fax Number:	(845)892-6363										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	860-286-2929										
Email:	carolre@us.ibm.com										
Correspondent Name:	Cantor Colburn LLP										
Address Line 1:	20 Church Street, 22nd Floor										
Address Line 2:	Sean Sullivan										
Address Line 4:	Hartford, CONNECTICUT 06103										
ATTORNEY DOCKET NUMBER:	FIS920080140US1										
NAME OF SUBMITTER:	Joseph P. Abate										
Total Attachments: 4											

CH \$40.00 12186780

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**PATENT
 REEL: 021392 FRAME: 0590**

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ASSIGNMENT

Whereas, I/we

- (1) John E. Barth, Jr., City of Williston, County of Chittenden and State of Vermont;
- (2) Kangguo Cheng, City of Guilderland, County of Albany and State of New York;
- (3) Michael Sperling, City of Poughkeepsie, County of Dutchess and State of New York;
- (4) Geng Wang, City of Stormville, County of Dutchess and State of New York;

have invented certain improvements in

INTEGRATED CIRCUITS COMPRISING AN ACTIVE TRANSISTOR ELECTRICALLY CONNECTED TO A TRENCH CAPACITOR BY AN OVERLYING CONTACT AND METHODS OF MAKING

and executed, respectively, a United States patent application therefor on

- (1) _____, 2008, (2) _____, 2008,
- (3) _____, 2008, (4) 7/31, 2008

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

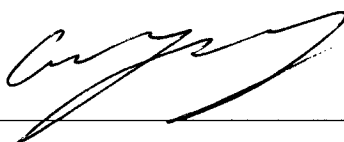
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and in all foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed

(1) _____ on _____, 2008

(2) _____ on _____, 2008

(3) _____ on _____, 2008

(4)  _____ on 7/31, 2008

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- (3) July 30, 2008, (4) _____, 2008

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(3) Michael Sperling on July 30, 2008

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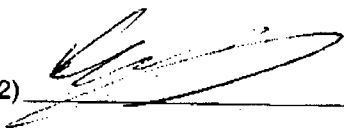
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