

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>Roger A. Booth Jr.</td> <td>08/15/2008</td> </tr> <tr> <td>Kangguo Cheng</td> <td>08/14/2008</td> </tr> <tr> <td>Chandrasekharan Kothandaraman</td> <td>08/18/2008</td> </tr> <tr> <td>Chengwen Pei</td> <td>08/15/2008</td> </tr> </tbody> </table>		Name	Execution Date	Roger A. Booth Jr.	08/15/2008	Kangguo Cheng	08/14/2008	Chandrasekharan Kothandaraman	08/18/2008	Chengwen Pei	08/15/2008
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Kangguo Cheng	08/14/2008										
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Chengwen Pei	08/15/2008										
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>12355954</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12355954						
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Application Number:	12355954										
CORRESPONDENCE DATA											
Fax Number:	(845)892-6363										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Email:	carolre@us.ibm.com										
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ATTORNEY DOCKET NUMBER:	FIS920080102US1										
NAME OF SUBMITTER:	Joseph P. Abate										
Total Attachments: 2											

CH \$40.00 12355954

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**PATENT
 REEL: 022161 FRAME: 0360**

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source=FIS920080102US1_Assignmen#page2.tif

ASSIGNMENT

Whereas, we

**INVENTOR
AND CITY**

- (1) **Roger A. Booth, Jr.** of Wappingers Falls, County of Dutchess and State of New York;
- (2) **Kangguo Cheng** of Guilderland, County of Albany and State of New York;
- (3) **Chandrasekharan Kothandaraman** of Hopewell Junction, County of Dutchess and State of New York;
- (4) **Chengwen Pei** of Danbury, County of Fairfield and State of Connecticut

have invented certain improvements in

**STRUCTURE AND METHOD FOR FORMING PROGRAMMABLE HIGH-K/METAL
GATE MEMORY DEVICE**

**DATES THAT
INVENTORS
SIGNED THE
DECLARATION**

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

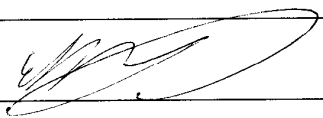
- (1) _____, 2008, (2) 8/14, 2008,
- (3) _____, 2008. (4) _____, 2008

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 8/14, 2008

(3) _____ on _____, 2008

(4) _____ on _____, 2008

ASSIGNMENT

Whereas, we

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AND CITY**

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DATES THAT INVENTORS SIGNED THE DECLARATION and executed, respectively, a United States patent application therefor on

(1) 8/15, 2008, (2) _____, 2008,
 (3) 8/18, 2008. (4) 08/15, 2008

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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) Roger A Booth Jr on 8/15, 2008

(2) _____ on _____, 2008

(3) [Signature] on 8/18, 2008

(4) Chengwen Pei on 08/15, 2008