

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<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>Scott R. Cottier</td> <td>10/30/2007</td> </tr> <tr> <td>Sang Hoo Dhong</td> <td>11/05/2007</td> </tr> <tr> <td>Rajiv V. Joshi</td> <td>10/30/2007</td> </tr> <tr> <td>Juergen Pille</td> <td>10/31/2007</td> </tr> <tr> <td>Osamu Takahashi</td> <td>10/30/2007</td> </tr> </tbody> </table>		Name	Execution Date	Scott R. Cottier	10/30/2007	Sang Hoo Dhong	11/05/2007	Rajiv V. Joshi	10/30/2007	Juergen Pille	10/31/2007	Osamu Takahashi	10/30/2007
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Osamu Takahashi	10/30/2007												
<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	INTERNATIONAL BUSINESS MACHINES CORPORATION												
<b>Street Address:</b>	P O BOX 218												
<b>City:</b>	ARMONK												
<b>State/Country:</b>	NEW YORK												
<b>Postal Code:</b>	10504												
<b>PROPERTY NUMBERS Total: 1</b>													
<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>11935741</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11935741								
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<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(516)496-3869												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	5164963868												
<b>Email:</b>	jim@ktb-iplaw.com												
<b>Correspondent Name:</b>	James J. Bitetto												
<b>Address Line 1:</b>	KEUSEY, TUTUNJIAN & BITETTO, P.C.												
<b>Address Line 2:</b>	20 CROSSWAYS PARK NORTH, SUITE 210												
<b>Address Line 4:</b>	WOODBURY, NEW YORK 11797												
<b>ATTORNEY DOCKET NUMBER:</b>	YOR920070481US1 (163-192)												
<b>NAME OF SUBMITTER:</b>	James J. Bitetto												

CH \$40.00 11935741

**Total Attachments: 5**

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Attorney Docket: YOR920070481US1 (163-192)

ASSIGNMENT

Whereas, we

INVENTOR  
AND CITY

(1) Scott R. Cottier  
County of Williamson  
and

of Cedar Park,  
and State of Texas,

(2) Sang Hoo Dhong  
County of Santa Carla  
and

of San Jose,  
and State of California,

(3) Rajiv V. Joshi  
County of Westchester  
and

of Yorktown Heights,  
and State of New York,

(4) Juergen Pille  
Country of Germany

of Stuttgart,

(5) Osamu Takahashi  
County of Williamson

of Round Rock,  
and State of Texas,

have invented certain improvements in

TITLE LEVEL SHIFTER FOR BOOSTING WORDLINE VOLTAGE AND MEMORY CELL PERFORMANCE

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

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

(1) October 30, 2007, (2) November 5, 2007,  
(3) October 30, 2007, (4) October 31, 2007,  
and (5) October 30, 2007.

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

Scott R. Cottier  
Scott R. Cottier (INVENTOR NAME)

on 10/30, 2007

\_\_\_\_\_  
Sang Hoo Dhong (INVENTOR NAME)

on \_\_\_\_\_, 2007

\_\_\_\_\_  
Rajiv V. Joshi (INVENTOR NAME)

on \_\_\_\_\_, 2007

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\_\_\_\_\_  
Scott R. Cottier (INVENTOR NAME)

on \_\_\_\_\_, 2007

*Sang Hoo Dhong*  
\_\_\_\_\_  
Sang Hoo Dhong (INVENTOR NAME)

on 11/5, 2007

\_\_\_\_\_  
Rajiv V. Joshi (INVENTOR NAME)

on \_\_\_\_\_, 2007

Attorney Docket: YOR920070481US1 (163-192)

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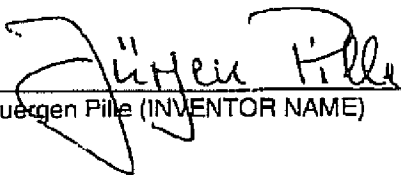
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\_\_\_\_\_  
Scott R. Cottier (INVENTOR NAME)                    on \_\_\_\_\_, 2007

\_\_\_\_\_  
Sang Hoo Dhong (INVENTOR NAME)                    on \_\_\_\_\_, 2007

*Rajiv V. Joshi*  
\_\_\_\_\_  
Rajiv V. Joshi (INVENTOR NAME)                    on Oct 30, 2007

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\_\_\_\_\_  
Jürgen Pille (INVENTOR NAME)

on Oct 31, 2007

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Juergen Pille (INVENTOR NAME)  
*Osamu Takahashi*  
\_\_\_\_\_  
Osamu Takahashi (INVENTOR NAME)

on \_\_\_\_\_, 2007

on *October 30*, 2007