

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>Daniel A. Brokenshire</td> <td>05/30/2008</td> </tr> <tr> <td>John A. Gunnels</td> <td>05/30/2008</td> </tr> <tr> <td>Michael D. Kistler</td> <td>05/30/2008</td> </tr> </tbody> </table>		Name	Execution Date	Daniel A. Brokenshire	05/30/2008	John A. Gunnels	05/30/2008	Michael D. Kistler	05/30/2008
Name	Execution Date								
Daniel A. Brokenshire	05/30/2008								
John A. Gunnels	05/30/2008								
Michael D. Kistler	05/30/2008								
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>12129789</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12129789				
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Application Number:	12129789								
CORRESPONDENCE DATA									
Fax Number:	(512)823-1036								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Address Line 2:	IBM-Intellectual Property Law								
Address Line 4:	Austin, TEXAS 78758-3493								
ATTORNEY DOCKET NUMBER:	AUS920080110US1								
NAME OF SUBMITTER:	D'Ann N. Rifai								

CH \$40.00 12129789

Total Attachments: 4
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PATENT
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ASSIGNMENT

Whereas, we,

- (1) Daniel A. Brokenshire of Round Rock
County of Williamson and State of Texas

- (2) John A. Gunnels of Yorktown Heights
County of Westchester and State of New York

- (3) Michael D. Kistler of Pflugerville
County of Williamson and State of Texas

have invented certain improvements in

REDUCING BANDWIDTH REQUIREMENTS FOR MATRIX MULTIPLICATION

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

(Dates Inventors Signed Declaration) (1) May 30, (2008); (2) _____, (2008);
(3) May 30, (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 therefore;

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 invention 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.

(1) Signed at Austin on May 30, 2008.
(City) (Date)

Dan A. Brokenshire
Daniel A. Brokenshire

(2) Signed at _____ on _____, 2008.
(City) (Date)

John A. Gunnels

(3) Signed at Austin on May 30, 2008.
(City) (Date)

Michael D. Kistler
Michael D. Kistler

ASSIGNMENT

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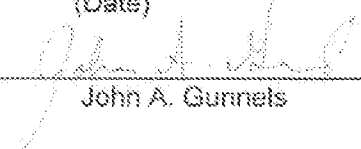
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(1) Signed at _____ on _____, 2008.
(City) (Date)

Daniel A. Brokenshire

(2) Signed at Yorktown Heights, NY on May 30, 2008.
(City) (Date)



John A. Gunnels

(3) Signed at _____ on _____, 2008.
(City) (Date)

Michael D. Kistler