

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Daniel A. Brokenshire</td><td>12/01/2005</td></tr><tr><td>John K. O'Brien</td><td>12/07/2005</td></tr></tbody></table>		Name	Execution Date	Daniel A. Brokenshire	12/01/2005	John K. O'Brien	12/07/2005
Name	Execution Date						
Daniel A. Brokenshire	12/01/2005						
John K. O'Brien	12/07/2005						
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11278759</td></tr></tbody></table>		Property Type	Number	Application Number:	11278759		
Property Type	Number						
Application Number:	11278759						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Diana R. Gerhardt						
Total Attachments: 4 source=050821#page1.tif source=050821#page2.tif							

CH \$40.00 11278759

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PATENT
REEL: 017763 FRAME: 0415

ASSIGNMENT

Whereas, we,

(1) Daniel A. Brokenshire
County of Williamson

of Round Rock
and State of Texas

(2) John Kevin Patrick O'Brien
County of Westchester

of South Salem
and State of New York

have invented certain improvements in

APPARATUS AND METHOD FOR ENSURING MAXIMUM CODE MOTION OF ACCESSES TO DMA BUFFERS

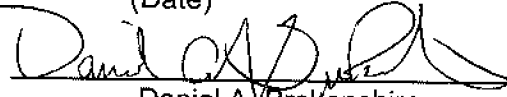
and executed, respectively, a United States patent application therefore on

(**Dates Inventors Signed Declaration**) (1) December 1, (2005); and (2) _____,
(2005).

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 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 December 1, 2005.
(City) (Date)


Daniel A. Brokenshire

(2) Signed at _____ on _____, 2005.
(City) (Date)

John Kevin Patrick O'Brien

ASSIGNMENT

Whereas, we,

(1) **Daniel A. Brokenshire**
County of Williamson

of Round Rock
and State of Texas

(2) **John Kevin Patrick O'Brien**
County of Westchester

of South Salem
and State of New York

have invented certain improvements in

**APPARATUS AND METHOD FOR ENSURING MAXIMUM CODE MOTION OF ACCESSES
TO DMA BUFFERS**

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

(**Dates Inventors Signed Declaration**) (1) _____, (2005); and (2) 12/07/2005
(2005).

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 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 _____ on _____, 2005.
(City) (Date)

Daniel A. Brokenshire

(2) Signed at Yorktown Heights on 12/07, 2005.
(City) (Date)

John Kevin Patrick O'Brien
John Kevin Patrick O'Brien