

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Christopher M. Abernathy</td><td>08/26/2008</td></tr><tr><td>Mary D. Brown</td><td>08/26/2008</td></tr><tr><td>Todd A. Venton</td><td>08/26/2008</td></tr><tr><td>John B. Griswell, Jr.</td><td>08/26/2008</td></tr></tbody></table>	Name	Execution Date	Christopher M. Abernathy	08/26/2008	Mary D. Brown	08/26/2008	Todd A. Venton	08/26/2008	John B. Griswell, Jr.	08/26/2008	
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John B. Griswell, Jr.	08/26/2008										
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12199971</td></tr></tbody></table>	Property Type	Number	Application Number:	12199971							
Property Type	Number										
Application Number:	12199971										
CORRESPONDENCE DATA											
Fax Number:	(512)823-1036										
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NAME OF SUBMITTER:	Diana R. Gerhardt										
Total Attachments: 1											

CH \$40.00 12199971

500633302

PATENT  
REEL: 021456 FRAME: 0122



## ASSIGNMENT

Whereas, I/ we,

- |  |                                    |   |                                    |
|--|------------------------------------|---|------------------------------------|
| (1) <b>Christopher M. Abernathy</b><br>County of: Travis | City of: Austin<br>State of: Texas | (3) <b>Todd A. Venton</b><br>County of: Williamson        | City of: Austin<br>State of: Texas |
| (2) <b>Mary D. Brown</b><br>County of: Travis            | City of: Austin<br>State of: Texas | (4) <b>John B. Griswell, Jr.</b><br>County of: Williamson | City of: Austin<br>State of: Texas |

have invented certain improvements in

**System and Method for Double-Issue Instructions Using a Dependency Matrix and a Side Issue Queue**



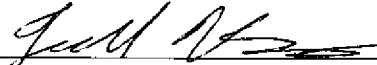
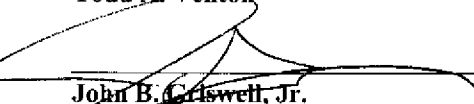
and executed a United States patent application therefor on the following date(s):

- |                              |                              |
|------------------------------|------------------------------|
| (1) <u>8/26/08</u><br>(Date) | (3) <u>8/26/08</u><br>(Date) |
| (2) <u>8/26/08</u><br>(Date) | (4) <u>8/26/08</u><br>(Date) |

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, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I 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:

	<u>CITY/STATE</u>	<u>DATE</u>	<u>SIGNATURE</u>
(1)	<u>Austin, TX</u>	<u>8/26/08</u>	 Christopher M. Abernathy
(2)	<u>Austin, TX</u>	<u>8/26/08</u>	 Mary D. Brown
(3)	<u>Austin, TX</u>	<u>8/26/08</u>	 Todd A. Venton
(4)	<u>Austin, TX</u>	<u>8/26/08</u>	 John B. Griswell, Jr.