

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
EFFECTIVE DATE:	12/07/2006										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Russell Dean Hoover</td><td>11/13/2006</td></tr><tr><td>Jon K. Kriegel</td><td>12/06/2006</td></tr><tr><td>Eric Oliver Mejdrich</td><td>11/22/2006</td></tr><tr><td>Robert Allen Shearer</td><td>11/03/2006</td></tr></tbody></table>		Name	Execution Date	Russell Dean Hoover	11/13/2006	Jon K. Kriegel	12/06/2006	Eric Oliver Mejdrich	11/22/2006	Robert Allen Shearer	11/03/2006
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Russell Dean Hoover	11/13/2006										
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Eric Oliver Mejdrich	11/22/2006										
Robert Allen Shearer	11/03/2006										
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>11567874</td></tr></tbody></table>		Property Type	Number	Application Number:	11567874						
Property Type	Number										
Application Number:	11567874										
CORRESPONDENCE DATA											
Fax Number: (507)253-2382 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 507-253-2761											
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ATTORNEY DOCKET NUMBER:	ROC920060134US1										
NAME OF SUBMITTER:	Robert R. Williams										

CH \$40.00 11567874

Total Attachments: 2  
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source=Assignment#page2.tif

**ASSIGNMENT**

Whereas, we

- |     |   |   |
|-----|---|---|
| (1) | Russell Dean Hoover<br>County of Olmsted  | City of Rochester,<br>and State of Minnesota, |
| (2) | Jon K. Kriegel<br>County of Olmsted       | City of Rochester,<br>and State of Minnesota, |
| (3) | Eric Oliver Mejdrich<br>County of Olmsted | City of Rochester,<br>and State of Minnesota, |
| (4) | Robert Allen Shearer<br>County of Olmsted | City of Rochester,<br>and State of Minnesota, |

have invented certain improvements in

**METHOD AND APPARATUS FOR MEMORY UTILIZATION**

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

Dates Inventors

Signed

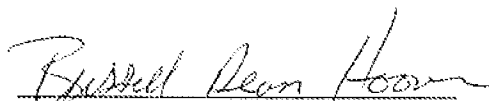
Declaration (1) November 13, 2006 (2) December 6, 2006  
(3) November 22, 2006 (4) November 3, 2006

And 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 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.

## Signed:

Inventor (1) at Rochester, Minnesota  
on 11/13, 2006.

  
Russell Dean Hoover  
Inventor  
Signature


Inventor (2) at Rochester, Minnesota  
on 12/6/2006, 2006.

  
Jon K. Kriegel  
Inventor  
Signature

Inventor (3) at Rochester, Minnesota  
on 11/22/06, 2006.

  
Eric Oliver Mejdrich  
Inventor  
Signature

Inventor (4) at Rochester, Minnesota  
on 11-3, 2006.

  
Robert Allen Shearer  
Inventor  
Signature

PATENT