

## 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>Jinmei Shen</td><td>04/08/2008</td></tr><tr><td>Hao Wang</td><td>04/07/2008</td></tr></tbody></table>	Name	Execution Date	Jinmei Shen	04/08/2008	Hao Wang	04/07/2008	
Name	Execution Date						
Jinmei Shen	04/08/2008						
Hao Wang	04/07/2008						
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>12103886</td></tr></tbody></table>	Property Type	Number	Application Number:	12103886			
Property Type	Number						
Application Number:	12103886						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	ROC920070419US1						
NAME OF SUBMITTER:	Robert R. Williams						
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PATENT  
REEL: 020811 FRAME: 0686

DOCKET NO.: ROC920070419US1

**ASSIGNMENT**

Whereas, we,

(1) JINMEI SHEN  
County of OLMSTEDof ROCHESTER  
and State of MINNESOTA(2) HAO WANG  
County of OLMSTEDof ROCHESTER  
and State of MINNESOTA

have invented certain improvements in

**MECHANISM TO ENABLE AND ENSURE FAILOVER INTEGRITY AND HIGH AVAILABILITY OF  
BATCH PROCESSING**

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

(Dates Inventors Signed Declaration) (1) April 8, (2008); (2) April 7, (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 Rochester, MN on 4/8, 2008.  
(City) (Date)

Jinmei Shen  
JINMEI SHEN

(2) Signed at Rochester, MN on 4/7, 2008.  
(City) (Date)

Hao Wang  
HAO WANG