

## 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>Ying Li</td><td>02/19/2008</td></tr><tr><td>Robert Evan Strom</td><td>02/19/2008</td></tr></tbody></table>	Name	Execution Date	Ying Li	02/19/2008	Robert Evan Strom	02/19/2008	
Name	Execution Date						
Ying Li	02/19/2008						
Robert Evan Strom	02/19/2008						
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>12046262</td></tr></tbody></table>	Property Type	Number	Application Number:	12046262			
Property Type	Number						
Application Number:	12046262						
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NAME OF SUBMITTER:	Greg O'Bradovich						
Total Attachments: 1 source=assignment#page1.tif							

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PATENT  
REEL: 020634 FRAME: 0492

# ASSIGNMENT

IBM DOCKET: YOR920070758US1

Whereas, I/we

(1) Ying Li of Mohegan Lake County of Westchester and State of New York 10547 and  
(2) Rob Strom of Ridgefield County of Fairfield and State of Connecticut 06877

have invented certain improvements in

## 'SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR IMPROVING PLACEMENT PERFORMANCE OF MESSAGE TRANSFORMS BY EXPLOITING GUIDED REPLICATION'

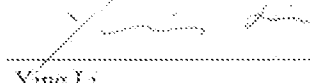
and executed, respectively, a United States patent application therefore on:

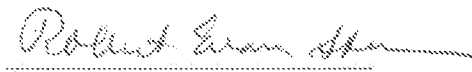
(1) February 19, 2008; (2) February 19, 2008;

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, I/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 I/we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and I/we hereby agree that IBM may apply for foreign Letters Patent on said invention and I/we 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:

(1) at: Hawthorne, NY; on: February 19, 2008;   
Ying Li

(2) at: Hawthorne, NY; on: February 19, 2008;   
Rob Strom  
Robert Evan Strom