

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>Ying Chen</td><td>01/18/2008</td></tr><tr><td>Bin He</td><td>01/18/2008</td></tr></tbody></table>	Name	Execution Date	Ying Chen	01/18/2008	Bin He	01/18/2008	
Name	Execution Date						
Ying Chen	01/18/2008						
Bin He	01/18/2008						
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>12017511</td></tr></tbody></table>	Property Type	Number	Application Number:	12017511			
Property Type	Number						
Application Number:	12017511						
CORRESPONDENCE DATA							
Fax Number:	(858)756-0427						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	858-756-0357						
Email:	don@wenskaylaw.com						
Correspondent Name:	LAW OFFICE OF DONALD L. WENSKAY						
Address Line 1:	P.O. Box 7206						
Address Line 4:	Rancho Santa Fe, CALIFORNIA 92067						
NAME OF SUBMITTER:	Donald L. Wenskay						
Total Attachments: 2 source=ARC920070064US1_Assignment_01_22_08#page1.tif source=ARC920070064US1_Assignment_01_22_08#page2.tif							

CH 12017511 \$40.00

ASSIGNMENT

Whereas, we,

- ////////////////////////////////////
- (1) Name: Ying Chen
City/State of: San Jose, California
County/Country of: Santa Clara, United States
- (2) Name: Bin He
City/State of: San Jose, California
County/Country of: Santa Clara, United States
- (3) Name:
City/State of:
County/Country of:
- (4) Name:
City/State of:
County/Country of:
- (5) Name:
City/State of:
County/Country of:
- (6) Name:
City/State of:
County/Country of:
- ////////////////////////////////////

have invented certain improvements in:

EFFICIENT UPDATE METHODS FOR LARGE VOLUME DATA UPDATES IN
DATA WAREHOUSES

and executed a Declaration and Power of Attorney for a United States patent application therefor on:

- (1) Date: 01/18/2008
- (2) Date: 01/18/2008
- (3) Date: _____
- (4) Date: _____
- (5) Date: _____
- (6) Date: _____

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, desires to acquire and own the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor:

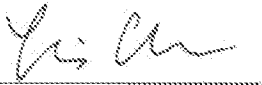
ASSIGNMENT

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to Assignees, their 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to Assignees, their successors and assigns; and I hereby agree that Assignees 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 Assignees.

Execution by Assignors:

(1) Name: Ying Chen

City/State San Jose, California

Signature: 

Date: 01/18/2008

(2) Name: Bin He

City/State San Jose, California

Signature: 

Date: 01/18/2008

(3) Name: _____

City/State _____

Signature: _____

Date: _____

(4) Name: _____

City/State _____

Signature: _____

Date: _____

(5) Name: _____

City/State _____

Signature: _____

Date: _____

(6) Name: _____

City/State _____

Signature: _____

Date: _____

PATENT

RECORDED: 01/22/2008

REEL: 020398 FRAME: 0574