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09-02-2003



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

EET

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Names of conveying parties:

Matthew A. HURAS
Quanhua HONG
Catherine S. McARTHUR
Lorysa M. MEADOWCROFT

8.26.03

Shaun K. THORNBOROUGH
Michael J. WINER
Roger L.Q. ZHENG

2. Name and address of receiving party:

International Business Machines Corporation
New Orchard Road
Armonk, NY 10504

3. Nature of conveyance: Assignment

Execution Date: April 17, 2003
(By first named inventor)

4. Application number: 10/425,163 Docket No.: CA920020079US1

If this Assignment is being filed together with a new application, enter the execution date of the application (date Declaration signed by first named inventor): August 6, 2003

5. Name and address of party to whom correspondence concerning Assignment should be mailed:

Samuel A. Kassatly
Samuel A. Kassatly Law Office
6819 Trinidad Drive
San Jose, CA 95120
Tel: (408) 323-5111

6. Total number of applications involved: 1

7. Total fee (37 CFR 3.41) = \$40.00

8. Charge fee to Deposit Account No. 09-0460

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

08/29/2003 LINELLER 00000235 090460 10425163
01 FC:0021 40.00 DA

Samuel A. Kassatly
Attorney Name

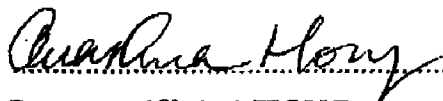
Signature of Attorney

August 23, 2003
Date

ASSIGNMENT OF ALL INTEREST

WE, (1) Quanhua (Claire) HONG; (2) Matthew A. HURAS; (3) Catherine S. McARTHUR; (4) Lorysa M. MEADOWCROFT; (5) Shaun K. THORNBOROUGH; (6) Michael J. WINER; and (7) Roger L.Q. ZHENG, whose full post office addresses are: (1) 56 Thorncliffe Park Dr. #603, Toronto, Ontario, Canada, M4H 1K7; (2) 15 Turriff Cr. Ajax, Ontario, Canada, L1T 3N4; (3) 430 Cragg Road, Uxbridge, Ontario, Canada L9P 1R3; (4) 35 Astor Avenue, Toronto, Ontario, Canada, M4G 3M1; (5) 707-108 St. S.W., Edmonton, Alberta, Canada T6W 1G3, (6) 75 Fincham Ave., Markham, Ontario, Canada L3P 4C9; and (7) 83 Mondeo Drive, #72, Scarborough, Ontario, Canada M1P 5B6, for which good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby sell and assign to **INTERNATIONAL BUSINESS MACHINES CORPORATION**, whose full post office address is New Orchard Road, Armonk, New York, United States of America, all my interest in all countries excluding Canada, including all rights under the International Convention, in and to my invention relating to **USING BUFFER TO FACILITATE LOG CATCHUP FOR ONLINE OPERATIONS** as fully described and claimed in my application for a patent for such invention and to all my corresponding right, title and interest in and to any patent which may issue therefor.

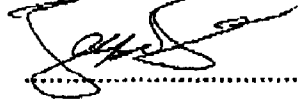
Signed at Markham, Ontario, Canada this 17th day of Apr. 2003.


Quanhua (Claire) HONG


Witness

Signed at Markham, Ontario, Canada this 17th day of Apr, 2003.


Matthew A. HURAS


Witness

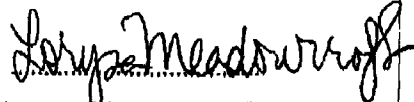
Signed at Markham, Ontario, Canada this 23rd day of April, 2003.


Catherine S. McARTHUR

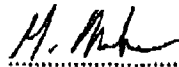

Witness

CA9-2002-0079

Signed at Markham, Ontario, Canada this 17th day of Apr., 2003.



Lorysa M. MEADOWCROFT



Witness

Signed at Edmonton, Alberta, Canada this 14 day of April, 2003.

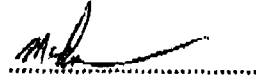


Shaun K. THORNBOROUGH



Witness

Signed at Markham, Ontario, Canada this 17th day of Apr., 2003.

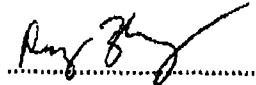


Michael J. WINER

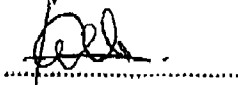


Witness

Signed at Markham, Ontario, Canada this 17th day of April, 2003.



Roger L.Q. ZHENG



Witness

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