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RE



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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Douglas M. Zobre

2. Name and address of receiving party(ies) Name: INTERNATIONAL BUSINESS MACHINES CORPORATION

Internal Address:

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Street Address:

City: Armonk State: NY Zip: 10504

Execution Date: 5-29-2002

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/214,842

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Dan Hubert

Internal Address:

Street Address: 3111 Camino del Rio North

Suite 400

City: San Diego State: CA Zip: 92109

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40

- Enclosed Authorized to be charged to deposit account

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9. Signature.

Dan Hubert, Reg. No. 33,906

Name of Person Signing

D. Hubert Signature

10-12-2002

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:

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ASSMT IS 3 PAGES (FRONT/BACK) ON 2 SHEETS

PATENT REEL: 013398 FRAME: 0940

ASSIGNMENT

Whereas, we,

(1) ROBERT VAUGHN GEINER
City of RALEIGH
County of WAKE
State of NORTH CAROLINA

(2) RONALD MAYNARD KERN
City of TUCSON
County of ARIZONA
State of PIMA

(3) GREGORY EDWARD MCBRIDE
City of TUCSON
County of PIMA
State of ARIZONA

(4) WILLIAM FRANK MICKA
City of TUCSON
County of PIMA
State of ARIZONA

(5) JEFFREY MARK NICK
City of WEST PARK
County of _____
State of NEW YORK

(6) LARRY RICHARD PERRY
City of GILROY
County of _____
State of CALIFORNIA

(7) DAVID B. PETERSEN
City of GREAT FALLS
County of FAIRFAX
State of VIRGINIA

(8) DAVID MICHAEL SHACKELFORD
City of TUCSON
County of ARIZONA
State of PIMA

(9) HAROLD GLEN SLONE
City of LOS GATOS
County of SANTA CLARA
State of CALIFORNIA

(10) HARRY MORRIS YUDENFRIEND
City of POUGHKEEPSIE
County of DUTCHESS
State of NEW YORK

(11) DOUGLAS M. ZOBRE
City of POUGHKEEPSIE
County of DUTCHESS
State of NEW YORK

have invented certain improvements in:

“ADJUSTING TIMESTAMPS TO PRESERVE UPDATE
TIMING INFORMATION FOR CACHED DATA OBJECTS”

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

- (1) _____
- (2) _____
- (3) _____
- (4) _____
- (5) _____
- (6) _____
- (7) _____
- (8) _____
- (9) _____
- (10) _____
- (11) May 29, 2002

ASSIGNMENT

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 inventions 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.

Execution by Inventors

(1) *Inventor:* ROBERT VAUGHN GEINER *City/State:*

Signature _____ *Date* _____

(2) *Inventor:* RONALD MAYNARD KERN *City/State:* TUCSON, ARIZONA

Signature _____ *Date* _____

(3) *Inventor:* GREGORY EDWARD MCBRIDE *City/State:* TUCSON, ARIZONA

Signature _____ *Date* _____

(4) *Inventor:* WILLIAM FRANK MICKA *City/State:* TUCSON, ARIZONA

Signature _____ *Date* _____

ASSIGNMENT

(5) *Inventor:* JEFFREY MARK NICK *City/State:* _____
Signature _____ *Date* _____

(6) *Inventor:* LARRY RICHARD PERRY *City/State:* _____
Signature _____ *Date* _____

(7) *Inventor:* DAVID B. PETERSEN *City/State:* _____
Signature _____ *Date* _____

(8) *Inventor:* DAVID MICHAEL SHACKELFORD *City/State:* TUCSON, ARIZONA
Signature _____ *Date* _____

(9) *Inventor:* HAROLD GLEN SLONE *City/State:* _____
Signature _____ *Date* _____

(10) *Inventor:* HARRY MORRIS YUDENFRIEND *City/State:* _____
Signature _____ *Date* _____

(11) *Inventor:* DOUGLAS M. ZOBRE *City/State:* *Peayhkeysie, AZ*
Signature *Douglas M. Zobre* *Date* *5/29/2002*

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