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| Form PTO-1595 (Kev. 6-93) | -2003 | ER SHEET | U.S. Department of Commerce Patent and Trademark Office |
| OMB No. 0651-0011 (exp. 4/94) | | <u>.Y</u> | |
| To the Honorable Commissioner of 10260 | 4996 | the attached origina | al documents or copy thereof. |
| Name of conveying party(ies): | 1 | address of receiving pa | arty(ies): |
| Akram A. Bou-Ghannam Thomas E. Creamer | Name: | International Busin | ness Machines Corporation |
| Victor S. Moore Scott L. Winters | Internal Addre | ess: | • |
| Additional name(s) of conveying party(ies) attached? Yes No | | s: New Orchard Road Armonk, New York | |
| 3. Nature of conveyance: | | s) & address(es) attached?〔 | ☐ Yes ☑No ⊃່ທັ |
| ☑ Assignment ☐ Merger | | | 70 ==================================== |
| ☐ Security Agreement ☐ Change of Name | | | 0.00 |
| ☐ Other: | | | <u> </u> |
| Execution Dates: 10/03/03, 10/03/03, 10/28/03, 10/14/0 | 3 | 1070599 | 90 |
| Application number(s) or patent number(s): If this document is being filed with a new application, 10/03/03, 10/03/03, 10/28/03, 10/14/03 | the execution date | of the application is: | 20 |
| A. Patent Application No.(s) | B. Patent No |).(s) | |
| Additional num | bers attached? | Yes ☑ No | |
| Name and address of party to whom corresponden concerning document should be mailed: | ce 6. Total num | ber of applications and | d patents involved: One |
| Name: Gregory A. Nelson, Esquire | 7. Total Fee | (37 CFR 34) | \$40.00 |
| Internal Address: | | Enclosed | |
| | | Authorized to be charge | ed to deposit account |
| Street Address: AKERMAN SENTERFITT 222 Lakeview Avenue | 8. Deposit ac | ccount number 50-0951 | |
| P.O. Box 3188 West Palm Beach, FL 33402-3188 | (Attach | duplicate copy of this page i | if paying by deposit account) |
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| 9. Statement and signature: | | | |
| To the best of my knowledge and belief, the fore copy of the original document. | egoing information i | is true and correct and | any attached copy is a true |
| / - 1 - | | // | |
| Kevin T. Cuenot, Reg. No. 46,283 | - | | <u>3</u> |
| Docket No. BOC9-2003-0045 (416) | Т | otal number of pages i | including cover sheet: 3 |

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

Express Mailing Label No. EV 346755955 US

{WP157921;1}

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ASSIGNMENT

WHEREAS, we:

| (1) | Akram A. Bou-Ghannam County of Palm Beach | Of Lake Worth and State of Florida |
|-----|---|---------------------------------------|
| (2) | Thomas E. Creamer County of Palm Beach | Of Boca Raton and State of Florida |
| (3) | Victor S. Moore County of Palm Beach | Of Boynton Beach and State of Florida |
| (4) | Scott L. Winters County of Travis | Of Austin and State of Texas |

have invented certain improvements in

PATTERN BASED WEB SERVICES USING CACHING

and executed a United States patent application therefore on the following date(s):

| (1) | October 3, 2003 |
|-----|-----------------|
| (2) | 10/3/2003 |
| (3) | 10/3/2003 |
| (4) | 10-15-03 |

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a ∞rporation of New York, having a place of business at New Orchard Road, Armonk, New York, 10504 (hereinafter called IBM), desires to acquire the entire right, title and interest in the 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 acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on 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.

(WP152664;1)

Page 1 of 2

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SIGNED AND SEALED:

10/3/2003

SIGNATURE

(1) BOCA RATON 10/3/2003

Akram A. Bou-Ghannam

(2) BOCA RATON FL 10/3/2003

Thomas E. Creamer

(3) Boca Ratan Fh 10/28/2023

Victor S. Moore

(4) AND TA 10-14-03

(WP152664;1)

RECORDED: 11/12/2003