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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): (1) **Nishanth Sastry** Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	2. Name and address of receiving party(ies) Name: <u>International Business Machines Corporation</u> New Orchard Road Armonk, New York 10504

3. Nature of conveyance:

☒ Assignment   ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Dates: (1) 11/10/2005

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

4. Application number(s) or patent number(s):   Attorney Docket: 260-050 Client Ref. LOT9-2005-0120US1

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

A.   Patent Application No.(s)   11/281,313   B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>David A. Dagg, Reg. No. 37,809</u> <u>McGuinness & Manaras LLP</u> Internal Address: _____ _____ Street Address: <u>125 Nagog Park Drive</u> _____ City: <u>Acton</u> State: <u>MA</u> Zip: <u>01720</u>	6. Total number of applications and patents involved: ☐ 1 ☐ 7. Total fee (37 CFR 3.41)............$ <u>40.00</u> ☐ Enclosed ☒ Authorized to be charged to deposit account 8. Deposit account number: <u>502569</u> (Attach duplicate copy of this page if paying by deposit account)

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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.

<u>David A. Dagg</u>
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PATENT

700234688   **REEL: 017168 FRAME: 0634**

ASSIGNMENT

Whereas, I:

(1) Nishanth Sastry   of 292 Musketaquid Road, Concord, Massachusetts, USA

have invented certain improvements in

METHOD AND SYSTEM FOR NESTED CATEGORIZATION USING FACTORIZATION

and executed a United States patent application therefor on the following date:

(1)   _____11/10/05_____

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation 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 therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby acknowledge my 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 I hereby agree that IBM may apply for foreign Letters Patent on the invention and I 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:

LOCATION	DATE	SIGNATURE
(1) Westford, MA	11/10/05	*Nishanth Sastry*

PATENT
REEL: 017168 FRAME: 0635