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ASSIGNMENTS

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Banner & Witcoff, LTD.

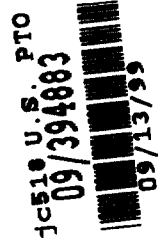
PATENT ASSIGNMENT RECORDATION FORM COVER SHEET

Docket No. AM9-97-162
(04495.78456)

To the Assistant Commissioner of Patents and Trademark, Box Assignments, Washington, D.C. 20231.
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
David C. Martin

2. Name and address of receiving party(ies):
International Business Machines Corporation
New Orchard Road
Armonk, New York 10504



3. Nature of Conveyance: Assignment
Execution Date: August 26, 1999

Additional name(s) & address(es) attached? 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: August 10, 1999
A. Patent Application Serial No.: 09/394883 B. Patent No.(s)
Additional numbers attached: Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Joseph P. Curtin
Internal Address: Banner & Witcoff, Ltd., - 11th Floor
Street Address: 1001 G Street, N.W.
City: Washington State: D.C. Zip: 20001-4597

6. Total number of applications and patents involved: 1

7. Total fees (37 CFR 3.41): \$40.00
 Enclosed (Charge or credit any difference to deposit account)
 Authorized to be charged to deposit account.

8. Deposit account number: 09-0441
(Attach duplicate copy of this page if paying by deposit account)

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FC:581 40.00 CH

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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.

Joseph P. Curtin, Reg. No. 34,571
Name of Person Signing

Signature

9/13/99

Date

Total number of pages including cover sheet, attachments and document: 4

ASSIGNMENT

Whereas, we,

(1) David C. Martin

City of San Jose

County of Santa Clara

State of California

(2) Dharmendra Shantilal Modha

City of San Jose

County of Santa Clara

State of California

(3) Shivakumar Valthyanathan

City of San Jose

County of Santa Clara

State of California

have invented **CLUSTERING MIXED ATTRIBUTE PATTERNS**

which was filed on even date herewith and assigned Serial No. _____:

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

(1) 8/10/99 (2) _____


(3) _____

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 David C. Martin City/State San Jose, California

Signature  Date 8/26/99

(2) Inventor Dharmendra Shantilal Modha

City/State San Jose, California

Signature _____

Date _____

(3) Inventor Shivakumar Valthyathan

City/State San Jose, California

Signature _____

Date _____

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