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101677022

To the Honorable Commissioner of Patents and Trademarks Attached original documents or copy thereof.

1. Name of conveying party(ies):

(1) Dharmendra S. Modha
(2) William S. Spangler

3/22/01

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):

Name: International Business Machines Corporation

Address: New Orchard Road

City: Armonk State/Prov.: NY

Country: USA ZIP: 22182-3817

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

1c971 U.S. PTO
09/813896
03/22/01

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: (1) 03/07/01 (2) 03/06/01

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 03/07/01; 03/06/01

Patent Application No. Filing date

B. Patent No.(s)

09813896

Additional numbers Yes No

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

Name: Christopher N. Sears, Esq.

Registration No. 33,552

Address: McGinn & Gibb, PLLC

8321 Old Courthouse Road

Suite 200

City: Vienna State/Prov.: VA

Country: USA ZIP: 22182-3817

6. Total number of applications and patents involved: 1

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

09-0441

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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.

Christopher N. Sears (703)761-4100

Christopher N. Sears

3/22/01

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

3

ASSIGNMENT

Whereas, we

Inventor and City	(1) Dharmendra Shantilal Modha County of Santa Clara	City of San Jose and State of California
	(2) William Scott Spangler County of Santa Clara	City of San Martin and State of California

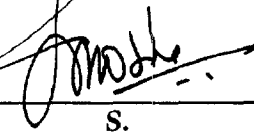
have invented certain improvements in

Title **FEATURE WEIGHTING IN K-MEANS CLUSTERING**

Dates That and have executed, respectively, a United States patent application therefor on
Inventors
Signed the (1) March 7, 2001, and (2) 2001.
Declaration

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 invention 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.

City	(1) Signed at		
Date	on	March 7, 2001	
		 <hr/> (Dharmendra S. Modha) First Name Middle Initial Last Name	signature inventor
City	(1) Signed at		
Date	on		
		<hr/> (William S. Spangler) First Name Middle Initial Last Name	signature inventor

ASSIGNMENT

Whereas, we

Inventor and City	(1) Dharmendra Shantilal Modha County of Santa Clara	City of San Jose and State of California
	(2) William Scott Spangler County of Santa Clara	City of San Martin and State of California

have invented certain improvements in

Title **FEATURE WEIGHTING IN K-MEANS CLUSTERING**

Dates That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on
(1) 2001, and (2) March 6, 2001.

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 invention 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.

City (1) Signed at

Date on

 (Dharmendra S. Modha)
 First Name Middle Initial Last Name

signature
inventor

City (1) Signed at *San Jose, CA*

Date on *3/6/01*

 (William S. Spangler)
 First Name Middle Initial Last Name

signature
inventor