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Arun Kwangil Iyengar

07/19/01

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Yes No

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Execution Date: July 18, 2001

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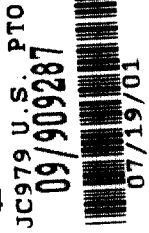
Name: International Business Machines Corporation

Internal Address:

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

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

09/909287

If this document is being filed together with a new application, the execution date of the application is: July 18, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes X No

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

Name: William E. Lewis

Internal Address: Ryan, Mason & Lewis, LLP

Street Address: 90 Forest Avenue

City: Locust Valley State: NY ZIP: 11560

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41)..... \$ 40.00

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X Authorized to be charged to deposit account

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YOR920010243US1

PATENT REEL: 12113 FRAME: 0729

ASSIGNMENT

Whereas, I

Inventor
and City

(1) **Arun Kwangil Iyengar**
County of Westchester

of Yorktown Heights
and State of New York

have invented certain improvements in

TITLE **METHODS AND APPARATUS FOR CLUSTERING AND PREFETCHING DATA
OBJECTS**

and executed a United States patent application therefor on

DATE THAT (1) _____, 2001.
INVENTOR
SIGNED THE
DECLARATION

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 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, I 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said 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
CITY (1) at Hawthorne, NY Arun Kwangil Iyengar SIGNATURE
DATE on 7/18 / 2001, (Arun Kwangil Iyengar) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

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