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Docket: SJ09-2001-0171-US1

US Department of Commerce
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03/29/02

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

525 U.S. PTO
10/112213
03/29/02

1. Name of conveying party(ies):

Shanker Singh

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

International Business Machines Corporation
New Orchard Road
Armonk, New York 10504

Additional name(s) of conveying party(ies) attached ___Yes ___X No

Additional name(s) & address(es) attached? ___Yes ___X No

3. Nature of conveyance:

X Assignment

Execution Date: March 28, 2002

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 March 28, 2002

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:

Randall J. Bluestone
IBM Corporation
San Jose Intellectual Property Law
5600 Cottle Road (L2PA/0142)
(408) 256-6573

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41) \$ 40.00
___ Enclosed
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8. Deposit account number: 09-0466

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.

Randall J. Bluestone
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Signature

3/29/02
Date

Total number of pages including cover sheet, attachments, and document: 2

04/11/2002 TBIAZ1 00000194 090466 10112213
01 FC:581 40.00 CH

PATENT
REEL: 012770 FRAME: 0170

ASSIGNMENT

Whereas, I,

INVENTOR
AND CITY

(1) Shanker Singh
County of Santa Clara

of Morgan Hill,
and State of California,

have invented certain improvements in

TITLE

INTELLIGENT MEMORY

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

and executed a United States patent application therefore on

(1) 3/28, 2002, (2) _____, 2002

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 therefore;

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 invention 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 and sealed

CITY

(1) at SAN JOSE

Shanker Singh

SIGNATURE

DATE

on 3/28/2002

Shanker Singh

INVENTOR