

12-11-2002



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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): **Hardayal Singh Gill**
 2. Name and address of receiving party(ies):
 Name: **International Business Machines Corporation**
 Street Address: **New Orchard Road**
 City: **Armonk** State: **NY** ZIP: **10504**

11/26/02

Jc996 U.S. PTO
10/306484
11/26/02

Additional name(s) of conveying party(ies) attached Yes No
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 XX Assignment Execution Date: November 19, 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: November 19, 2002
 A. Patent Application No.(s) B. Patent No.(s)
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: **Lewis L. Nunnelley**
 Name: **IBM Corporation**
 Internal Address: **Intellectual Property Law**
 Street Address: **5600 Cottle Road (L2PA/0142)**
San Jose, CA 95193
 8. Deposit Account Number: **09-0466**

6. Total Number of applications and patents involved: **One**
 7. Total fee (37 CFR 3.41)....\$40.00
 Enclosed
 Authorized to be charged to deposit account

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.

Nov 26, 2002
Date

Lewis L. Nunnelley
Lewis L. Nunnelley

Total number of pages including cover sheet, attachments, and document: 1_2_1

12/10/2002 DBYRNE 00000122 090466 10306484
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Whereas, we

INVENTOR
AND CITY

(1)Hardayal Singh Gill
County of Santa Clara

of Palo Alto,
and State of California

have invented certain improvements in

TITLE

MAGNETIC SPIN VALVE SENSOR HAVING AN EXCHANGE STABILIZATION LAYER RECESSED FROM THE ACTIVE TRACK EDGE

DATES THAT
INVENTORS
SIGNED THE

and executed, respectively, a United States patent application therefor on

(1) 11/19/02

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.

Signed and sealed

CITY
DATE

(1) at San Jose
on 11/19, 2002

H-S. Gill
Hardayal Singh Gill

SIGNATURE
INVENTOR