

04-19-2001

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JULY 28, 1992

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U.S. PATENT AND TRADEMARK OFFICE

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NOTE: The following appendix did not appear in the Code of Federal Regulations

APPENDIX B

FORM PTO-1595

1-31-92

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1. Name of conveying party(ies):
Hardayal Singh Gill

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

Name: INTERNATIONAL BUSINESS
MACHINES CORPORATION
Internal Address: Armonk, New York 10504

Street Address: SAME AS ABOVE

Additional name(s) & address(es) attached?
___ yes X no

Additional name(s) of conveying party(ies) attached? ___ yes X no

3. Nature of Conveyance
X Assignment ___ Merger
___ Security Agreement ___ Change of Name
___ Other

09814155

Execution Date: 03/19/2001

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: 03/19/2001

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 documents should be mailed:

Name: Ron Feece
Address: INTERNATIONAL BUSINESS MACHINES CORPORATION
5600 Cottle Road, L2PA/014
San Jose, California 95193

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00
Enclosed
X Authorized to be charged to deposit account

8. Deposit Account Number: 09-0442

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and the attached copy is a true copy of the original document.

RON FEECE

Name of Person Signing

[Signature]
Signature

3/19/01
Date

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

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**PATENT
REEL: 011684 FRAME: 0957**

10929 U.S. PTO
09/814135
03/20/01

ASSIGNMENT

Whereas, I

(1) **Hardayal Singh Gill**
City of **Palo Alto**,
County of **Santa Clara**
State of **California**,

have invented certain improvements in

LEAD OVERLAY SPIN VALVE SENSOR WITH ANTIFERROMAGNETIC LAYERS IN PASSIVE REGIONS FOR STABILIZING A FREE LAYER

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

(1) 3/19, 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, 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

(1) at San Jose
on 3/19, 2001,

Hardayal Singh Gill

SIGNATURE
INVENTOR