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## U.S. PATENT AND TRADEMARK OFFICE

JULY 28, 1992

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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) &amp; address(es) attached?

yes ☒ noAdditional name(s) of conveying party(ies) attached? yes ☒ no

3. Nature of Conveyance

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 03/07/2001

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: 03/07/2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes ☒ 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  
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PATENT  
REEL: 011696 FRAME: 0417

**ASSIGNMENT**

Whereas, I

INVENTOR  
AND CITY

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

have invented certain improvements in

TITLE

**SPIN VALVE SENSOR WITH FREE LAYER STRUCTURE HAVING A COBALT NIOBIUM (CoNb)  
OR COBALT NIOBIUM HAFNIUM (CoNbHf) LAYER**

DATE THAT  
INVENTOR  
SIGNED THE  
DECLARATION

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

(1) 3/2, 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

CITY  
DATE

(1) at San Jose  
on 3/2/01, 2001,

H-S. Gill SIGNATURE  
Hardayal Singh Gill INVENTOR