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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

MRS  
11-9-98

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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  
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

Execution Date: 10/30/98

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: 10/30/98

A. Patent Application No.(s)

B. Patent No.(s)

09188419

Additional numbers attached? \_\_\_ Yes X No

40E

5. Name and address of party to whom correspondence concerning documents should be mailed:  
Name: Terrance A. Meador  
Address: GRAY CARY WARE & FREIDENRICH  
401 "B" Street, Suite 1700  
San Diego, California 92101

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

11/18/1998 SSMRMS 00000080 090442 09188419  
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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.*

TERRANCE A. MEADOR Terrance Meador 9 November 1998  
Name of Person Signing Signature Date

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

OMB NO. 0651-0011 (EXP. 4/94)

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Atty. Docket No. SA998088  
(103779-154219)

PATENT  
REEL: 9584 FRAME: 0625

**ASSIGNMENT**

Whereas, We

(1) **Hardayal Singh Gill**  
City of **Portola Valley**,  
County of **San Mateo**  
State of **California**,

has invented certain improvements in

**KEEPER LAYER WITHOUT SENSE CURRENT SHUNTING IN A GIANT MAGNETORESISTIVE (GMR) HEAD**

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

(1) 10/30, 1998

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 10/30, 1998,



Hardayal Singh Gill

SIGNATURE  
INVENTOR

INVENTOR  
AND CITY

TITLE

DATE THAT  
INVENTOR  
SIGNED THE  
DECLARATION

CITY  
DATE