

08-20-2001



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**RECORDATION FOR**

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To the Honorable Commissioner of Patents and Trademarks:

Please record the attached original documents or copy thereof.

JC 857 U.S. PTO  
09/922408  
08/03/01

1. Name(s) of conveying party:

*08/03/01*

HARDAYAL SINGH GILL

2. Name and address of receiving party:

**International Business  
Machines Corporation  
New Orchard Road  
Armonk, NY 10504**

Additional name(s) of conveying party(ies) attached  Yes  No

3. Nature of conveyance:

**Assignment**

Execution Date: \_\_\_\_\_

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: \_\_\_\_\_

A. Patent Application No.(s) *09/922408*  
B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

**Marlin Knight (#33,409)  
Hoyt & Knight  
PO Box 1320  
Pioneer, CA 95666**

6. Total Number of applications and patents involved: **One**

7. Total fee (37 CFR 3.41).....\$ **40.00**

Authorized to be charged to deposit account **09-0466**

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.

(x) *Marlin Knight*

Date: *Aug. 3, 2001*

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

08/17/2001 LMUELLER 00000133 090466 09922408

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SJO9-2001-0105US1

**PATENT  
REEL: 012073 FRAME: 0134**

ASSIGNMENT

Whereas, I:

(1) **HARDAYAL SINGH GILL**

of Palo Alto, CA

have invented certain improvements in a

**GMR Magnetic Transducer with Nano-oxide Layer Exchange Coupled Free Layers**

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

(1) 8/1, 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, 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.

Executed:

(1) at San Jose (CITY)  
on DATE 8/1, 2001,

(x) H. S. Gill  
SIGNATURE OF INVENTOR (1)

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