

Form PTO-1595  
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PATENTS ONLY

2003 P 52545 US

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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):

Philip L. Trouilloud  
Daniel Worledge

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: 3-15-04 (PLT); 3-10-04 (DW)

2. Name and address of receiving party(ies)

Name: International Business Machines Corporation  
Internal Address: \_\_\_\_\_

Street Address: New Orchard Road

City: Armonk State: New York

Zip: 10504

Additional name(s) & address(es) attached?  Yes  No

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) 10/785,913

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Ira S. Matsil

Slater & Matsil, L.L.P.

Internal Address: \_\_\_\_\_

Street Address: 17950 Preston Rd.

Suite 1000

City: Dallas State: Texas Zip: 75252-5793

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:  
50-1065

(Attach duplicate copy of this page if paying by deposit account)

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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.*

Kay Houston, Reg. No. 38,495  
Name of Person Signing

September 21, 2004  
Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
P.O. Box 1450, Alexandria, VA 22313-1450

CH \$40.00 501065 10785913

Attorney Dkt. No. 2003 P 52545 US

**ASSIGNMENT**

**WHEREAS**, we

- (1) Philip L. Trouilloud, of Norwood, NJ
  - (2) Daniel Worledge, of Poughquag, NY
- have invented certain improvements in

**Magnetic Tunnel Junctions for MRAM devices**

and executed a United States patent application therefor on

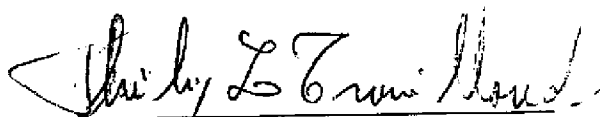
- (1) March 15<sup>th</sup> 2004
- (2) \_\_\_\_\_

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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 the 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 invention set forth in said application to IBM, its successors and assigns; 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 and sealed  
(city and date)

(1) at Norwood, NJ



Philip L. Trouilloud

on March 15<sup>th</sup> 2004

(2) at Poughquag, NY

\_\_\_\_\_  
Daniel Worledge

on \_\_\_\_\_ 2004

Attorney Dkt. No. 2003 P 52545 US

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- (1) \_\_\_\_\_
- (2) 3/10/04

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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 the 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 invention set forth in said application to IBM, its successors and assigns; 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 and sealed  
(city and date)

(1) at Norwood, NJ \_\_\_\_\_  
Philip L. Trouilloud  
on \_\_\_\_\_ 2004

(2) at Poughquag, NY D. Worledge  
Daniel Worledge  
on 3/10 2004