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05/11/01

05-22-2001



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US Department of Commerce  
Patent & Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Robert E. Fontana, Jr.  
Kuok S. Ho  
Jordan A. Katine  
Jeffrey S. Lille  
Ching H. Tsang

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

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

Name: International Business  
Machines Corporation

Street Address: New Orchard Road  
City: Armonk State: NY ZIP: 10504

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

3. Nature of conveyance:

☒ Assignment

Execution Date: May 7, 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: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: IBM Corporation  
Internal  
Address: Intellectual Property Law  
Street  
Address: 650 Harry Road (C4TA/J2B)  
San Jose, CA 95120-6099

6. Total Number of applications and patents  
involved: One

7. Total fee (37 CFR 3.41).....\$ 40.00  
☐ Enclosed  
XX Authorized to be charged to  
deposit account

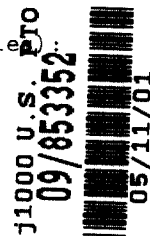
8. Deposit Account Number: 09-0441

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.

Thomas R. Berthold

5/11/01  
Date



Whereas, we,

(1) Robert E. Fontana Jr.  
City of San Jose  
County of Santa Clara  
State of California

(2) Kuok S. Ho  
City of Cupertino  
County of Santa Clara  
State of California

(3) Jordan A. Katine  
City of San Jose  
County of Santa Clara  
State of California

(4) Jeffrey S. Lille  
City of Sunnyvale  
County of Santa Clara  
State of California

(5) Ching H. Tsang  
City of Sunnyvale  
County of Santa Clara  
State of California

have invented certain improvements in *(Title of Invention)*:

# CPP MAGNETORESISTIVE SENSORS WITH IN-STACK LONGITUDINAL BIASING AND OVERLAPPING MAGNETIC SHIELD

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

(1) MAY 7, 2001

(2) May 4, 2001

(3) MAY 7, 2001

(4) May 3, 2001

(5) May 4, 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, 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.

## Execution by Inventors

(1) Inventor: Robert E. Fontana, Jr.

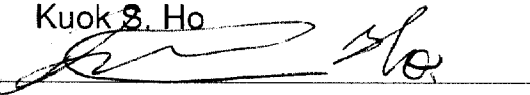
City/State: SAN JOSE, CA

Signature Robert E. Fontana, Jr.

Date MAY 7, 2001

(2) Inventor: Kuok S. Ho

Signature



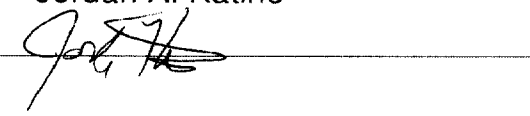
City/State: California, San Jose

Date

May 4, 2001

(3) Inventor: Jordan A. Katine

Signature



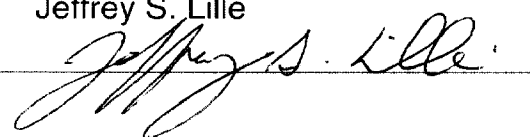
City/State: San Jose, CA

Date

MAY 7, 2001

(4) Inventor: Jeffrey S. Lille

Signature



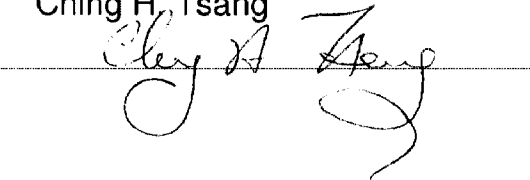
City/State: SAN JOSE, CALIFORNIA

Date

MAY 3, 2001

(5) Inventor: Ching H. Tsang

Signature



City/State: San Jose, California

Date

May 4, 2001