

01-26-2004

ER

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No.:
JP920020067US1



102653656

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

1. Name of conveying party(ies):

**Hisatada Miyatake, Hiroshi Umezaki, Kohji
Kitamura, Toshio Sunaga, Kohki Noda, Hideo Asano**

1.20.04

2. Name and address of receiving party(ies)

Name: **International Business Machines Corporation**

Internal Address:

Street Address: **New Orchard Road**

City: **Armonk** State/Country: **New York** Zip: **10504**

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

☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: **11/10/2003, 11/11/2003, 11/13/2003**

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: **October 7, 2003**

A. Patent Application No.(s) **10/680,051**

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Brian C. Kunzler**

Internal Address:

Street Address: **8 East Broadway, Suite 600**

City: **Salt Lake City** State: **Utah** ZIP: **84111**

01/23/2004 DBYRNE 00000081 090466 10680051

01 FC:8021 40.00 DA

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 (any deficiencies)

8. Deposit account number:

09-0466

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

DO NOT USE THIS SPACE

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.

Brian C. Kunzler
Name of Person Signing

Signature

January 16, 2004
Date

Total number of pages including cover sheet, attachments, and document: **11**

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

PATENT
REEL: 014907 FRAME: 0021

ASSIGNMENT

Whereas I/we

INVENTOR/CITY
COUNTY/STATE

(1) **Hisatada Miyatake**
County of **Ohtsu-shi**

City of **Midori-cho**
State of **Shiga-ken**

(2) **Hiroshi Umezaki**
County of **Fujisawa-shi**

City of **Kugenumakaigan**
State of **Kanagawa-ken**

(3) **Kohji Kitamura**
County of **Kusatsu-shi**

City of **Sakuragaoka**
State of **Shiga-ken**

(4) **Toshio Sunaga**
County of **Ohtsu-shi**

City of **Aoyama**
State of **Shiga-ken**

(5) **Kohki Noda**
County of **Fujisawa-shi**

City of **Kameino**
State of **Kanagawa-ken**

(6) **Hideo Asano**
County of **Machida-shi**

City of **Ohkura-machi**
State of **Tokyo-to**

have invented certain improvements in

TITLE

**MAGNETIC MEMORY AND METHOD FOR OPTIMIZING WRITE CURRENT IN A
MAGNETIC MEMORY**

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT
INVENTOR(S)
SIGNED THE
DECLARATION

(1) November 10, 2003 (2) _____
(3) _____ (4) Nov. 10, 2003
(5) _____ (6) _____

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 Yasu
on November 10, 2003

Hisatada Miyatake
Hisatada Miyatake

(2) at _____
on _____

Hiroshi Umezaki

(3) at _____
on _____

Kohji Kitamura

(4) at YASU
on Nov. 10, 2003

Toshio Sunaga
Toshio Sunaga

(5) at _____
on _____

Kohki Noda

(6) at _____
on _____

Hideo Asano

ASSIGNMENT

Whereas I/we

INVENTOR/CITY
COUNTY/STATE

(1) **Hisatada Miyatake**
County of **Ohtsu-shi**

City of **Midori-cho**
State of **Shiga-ken**

(2) **Hiroshi Umezaki**
County of **Fujisawa-shi**

City of **Kugenumakaigan**
State of **Kanagawa-ken**

(3) **Kohji Kitamura**
County of **Kusatsu-shi**

City of **Sakuragaoka**
State of **Shiga-ken**

(4) **Toshio Sunaga**
County of **Ohtsu-shi**

City of **Aoyama**
State of **Shiga-ken**

(5) **Kohki Noda**
County of **Fujisawa-shi**

City of **Kameino**
State of **Kanagawa-ken**

(6) **Hideo Asano**
County of **Machida-shi**

City of **Ohkura-machi**
State of **Tokyo-to**

have invented certain improvements in

TITLE

**MAGNETIC MEMORY AND METHOD FOR OPTIMIZING WRITE CURRENT IN A
MAGNETIC MEMORY**

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT
INVENTOR(S)
SIGNED THE
DECLARATION

(1) _____

(2) NOV. 10/2003

(3) _____

(4) _____

(5) _____

(6) _____

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 _____
on _____

Hisatada Miyatake

(2) at Fujisawa
on Nov 10 / 2003

Hiroshi Umezaki
Hiroshi Umezaki

(3) at _____
on _____

Kohji Kitamura

(4) at _____
on _____

Toshio Sunaga

(5) at _____
on _____

Kohki Noda

(6) at _____
on _____

Hideo Asano

ASSIGNMENT

Whereas I/we

INVENTOR/CITY
COUNTY/STATE

(1) Hisatada Miyatake
County of Ohtsu-shi

City of Midori-cho
State of Shiga-ken

(2) Hiroshi Umezaki
County of Fujisawa-shi

City of Kugenumakaigan
State of Kanagawa-ken

(3) Kohji Kitamura
County of Kusatsu-shi

City of Sakuragaoka
State of Shiga-ken

(4) Toshio Sunaga
County of Ohtsu-shi

City of Aoyama
State of Shiga-ken

(5) Kohki Noda
County of Fujisawa-shi

City of Kameino
State of Kanagawa-ken

(6) Hideo Asano
County of Machida-shi

City of Ohkura-machi
State of Tokyo-to

have invented certain improvements in

TITLE

**MAGNETIC MEMORY AND METHOD FOR OPTIMIZING WRITE CURRENT IN A
MAGNETIC MEMORY**

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT
INVENTOR(S)
SIGNED THE
DECLARATION

(1) _____ (2) _____
(3) Hideo Asano November 11, 2003 (4) _____
(5) _____ (6) _____

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 _____
on _____

Hisatada Miyatake

(2) at _____
on _____

Hiroshi Umezaki

(3) at Yasu
on November 11, 2003

Kohji Kitamura
Kohji Kitamura

(4) at _____
on _____

Toshio Sunaga

(5) at _____
on _____

Kohki Noda

(6) at _____
on _____

Hideo Asano

ASSIGNMENT

Whereas I/we

INVENTOR/CITY
COUNTY/STATE(1) **Hisatada Miyatake**
County of **Ohtsu-shi**City of **Midori-cho**
State of **Shiga-ken**(2) **Hiroshi Umezaki**
County of **Fujisawa-shi**City of **Kugenumakaigan**
State of **Kanagawa-ken**(3) **Kohji Kitamura**
County of **Kusatsu-shi**City of **Sakuragaoka**
State of **Shiga-ken**(4) **Toshio Sunaga**
County of **Ohtsu-shi**City of **Aoyama**
State of **Shiga-ken**(5) **Kohki Noda**
County of **Fujisawa-shi**City of **Kameino**
State of **Kanagawa-ken**(6) **Hideo Asano**
County of **Machida-shi**City of **Ohkura-machi**
State of **Tokyo-to**

have invented certain improvements in

TITLE

**MAGNETIC MEMORY AND METHOD FOR OPTIMIZING WRITE CURRENT IN A
MAGNETIC MEMORY**

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT
INVENTOR(S)
SIGNED THE
DECLARATION

(1) _____	(2) _____
(3) _____	(4) _____
(5) <u>Nov. 13, 2003</u>	(6) _____

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 _____
on _____

Hisatada Miyatake

(2) at _____
on _____

Hiroshi Umezaki

(3) at _____
on _____

Kohji Kitamura

(4) at _____
on _____

Toshio Sunaga

(5) at Fujisawa-shi
on Nov. 13, 2003

Kohki Noda

Kohki Noda

(6) at _____
on _____

Hideo Asano

ASSIGNMENT

Whereas I/we

INVENTOR/CITY
COUNTY/STATE

(1) **Hisatada Miyatake**
County of **Ohtsu-shi**

City of **Midori-cho**
State of **Shiga-ken**

(2) **Hiroshi Umezaki**
County of **Fujisawa-shi**

City of **Kugenumakaigan**
State of **Kanagawa-ken**

(3) **Kohji Kitamura**
County of **Kusatsu-shi**

City of **Sakuragaoka**
State of **Shiga-ken**

(4) **Toshio Sunaga**
County of **Ohtsu-shi**

City of **Aoyama**
State of **Shiga-ken**

(5) **Kohki Noda**
County of **Fujisawa-shi**

City of **Kameino**
State of **Kanagawa-ken**

(6) **Hideo Asano**
County of **Machida-shi**

City of **Ohkura-machi**
State of **Tokyo-to**

have invented certain improvements in

TITLE

**MAGNETIC MEMORY AND METHOD FOR OPTIMIZING WRITE CURRENT IN A
MAGNETIC MEMORY**

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT
INVENTOR(S)
SIGNED THE
DECLARATION

(1) _____ (2) _____
(3) _____ (4) _____
(5) _____ (6) Nov 10 / 63

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 _____
on _____

Hisatada Miyatake

(2) at _____
on _____

Hiroshi Umezaki

(3) at _____
on _____

Kohji Kitamura

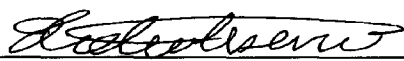
(4) at _____
on _____

Toshio Sunaga

(5) at _____
on _____

Kohki Noda

(6) at Tokyo
on Nov 10 / '03


Hideo Asano

CITY
DATE