

R

03-19-2008

EET

Our Ref.: MJS-4770-25



103490437

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1 Yoshihiko FUJI 5 Min LI
2 Hideaki FUKUZAWA 6 Michiko HARA
3 Hiromi YUASA 7 Yoshinari KUROSAKI
4 Kunliang ZHANG

Additional name/s of conveying party/ies attached? ☐

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Assignment ☐ Change of Name
☐ Other

Execution Date: 1) February 26, 2008; 2) February 26, 2008;
3) February 26, 2008; 4) March 3, 2008; 5)
March 3, 2008; 6) February 26, 2008; and 7)
February 26, 2008.

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

1) Name: KABUSHIKI KAISHA TOSHIBA
Street Address: 1-1, Shibaura 1-chome, Minato-ku,
City: Tokyo,
State/Country: Japan Zip: 105-8001

2) Name TDK CORPORATION

Street Address: 13-1, Nihonbashi 1-chome, Chuo-ku
City: Tokyo
State: Japan Zip: 103-8272

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

4. Application number(s) or patent number(s):

☒ This assignment is being filed together with a new application.

A. Patent Application No(s).

(1) To Be Assigned
(2)
(3)

B. Patent No(s).

(1)
(2)
(3)

Additional numbers attached ☐ Yes ☒ No

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

Name: Michael J. Shea

Internal Address:

Street Address: Nixon & Vanderhye P.C.
901 North Glebe Road
11th Floor

City: Arlington State: VA Zip: 22203

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Enclosed
☐ Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.

DO NOT USE THIS SPACE

9. Statements 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.

Michael J. Shea

Name of Person Signing
Reg. No. 34,725

Signature

March 11, 2008

Date

Total number of pages including original cover sheet, attachments, and document: [5]

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

03/12/2008 NHGUYEN1 00000005 12073895

05 FC:0021

40.00 0P

ASSIGNMENT OF PATENT APPLICATION

- (Inventors) 1) Yoshihiko FUJI of Kawasaki-shi, Kanagawa-ken, Japan;
2) Hideaki FUKUZAWA of Kawasaki-shi, Kanagawa-ken, Japan;
3) Hiromi YUASA of Kawasaki-shi, Kanagawa-ken, Japan;
4) Kunliang ZHANG of Milpitas, California, USA;
5) Min LI of Milpitas, California, USA;
6) Michiko HARA of Yokohama-shi, Kanagawa-ken, Japan; and
7) Yoshinari KUROSAKI of Kawasaki-shi, Kanagawa-ken, Japan

* 13-1, Nihonbashi 1-chome, Chuo-ku, Tokyo

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

- (Assignee) 1) KABUSHIKI KAISHA TOSHIBA and 2) TDK CORPORATION

(Address) (of 1) 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan; and 2) *

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as MAGNETO-RESISTANCE EFFECT ELEMENT, AND METHOD FOR (Title) (Case No. -) MANUFACTURING THE SAME

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in

(U.S. appln. Serial No. , filed on).

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date	<u>Feb. 26th 2008</u>	Signature of inventor	(<u>Yoshihiko Fuji</u> Yoshihiko FUJI
Date	<u>Feb. 26, 2008</u>	Signature of inventor	(<u>Hideaki Fukuzawa</u> Hideaki FUKUZAWA
Date	<u>Feb. 26, 2008</u>	Signature of inventor	(<u>Hiromi Yuasa</u> Hiromi YUASA
Date	_____	Signature of inventor	(_____ Kunliang ZHANG
Date	_____	Signature of inventor	(_____ Min LI
Date	<u>Feb. 26, 2008</u>	Signature of inventor	(<u>Michiko Hara</u> Michiko HARA
Date	<u>Feb. 26, 2008</u>	Signature of inventor	(<u>Yoshinari Kurosaki</u> Yoshinari KUROSAKI
Date	_____	Signature of inventor	(_____
Date	_____	Signature of inventor	(_____
Date	_____	Signature of inventor	(_____
Date	_____	Signature of inventor	(_____

T802-8

ASSIGNMENT OF PATENT APPLICATION

- (Inventors) 1) Yoshihiko FUJII of Kawasaki-shi, Kanagawa-ken, Japan;
 2) Hideaki FUKUZAWA of Kawasaki-shi, Kanagawa-ken, Japan;
 3) Hiromi YUASA of Kawasaki-shi, Kanagawa-ken, Japan;
 4) Kunliang ZHANG of Milpitas, California, USA;
 5) Min LI of Milpitas, California, USA;
 6) Michiko HARA of Yokohama-shi, Kanagawa-ken, Japan; and
 7) Yoshinari KUROSAKI of Kawasaki-shi, Kanagawa-ken, Japan

* 13-1, Nihonbashi 1-chome, Chuo-ku, Tokyo

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

103-8272 Japan

- (Assignee) 1) KABUSHIKI KAISHA TOSHIBA and 2) TDK CORPORATION

(Address) (of 1) 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan; and 2) *

(Other Countries) (hereinafter designated as the Assignee) the undersigned's entire right, title and interest in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as MAGNETO-RESISTANCE EFFECT ELEMENT, AND METHOD FOR (Title) (Case No.) MANUFACTURING THE SAME

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in (U.S. appln. Serial No. filed on)

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

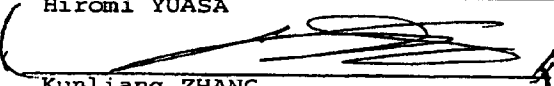
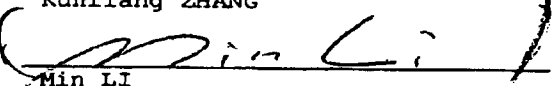
The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date _____	Signature of inventor	(_____ Yoshihiko FUJI
Date _____	Signature of inventor	(_____ Hideaki FUKUZAWA
Date _____	Signature of inventor	(_____ Hiromi YUASA
Date <u>March 3, 2008</u>	Signature of inventor	( Kunliang ZHANG
Date <u>March 3, 2008</u>	Signature of inventor	( Min LI
Date _____	Signature of inventor	(_____ Michiko HARA
Date _____	Signature of inventor	(_____ Yoshinari KUROSAKI
Date _____	Signature of inventor	(_____
Date _____	Signature of inventor	(_____
Date _____	Signature of inventor	(_____