

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hiroshi IKEDA</td> <td>08/20/2009</td> </tr> <tr> <td>Kiyoshi NOGUCHI</td> <td>08/20/2009</td> </tr> <tr> <td>Saori KAJIHARA</td> <td>08/20/2009</td> </tr> <tr> <td>Isamu SATO</td> <td>08/20/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hiroshi IKEDA	08/20/2009	Kiyoshi NOGUCHI	08/20/2009	Saori KAJIHARA	08/20/2009	Isamu SATO	08/20/2009
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RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>TDK Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1-13-1, Nihonbashi, Chuo-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>103-8272</td> </tr> </table>		Name:	TDK Corporation	Street Address:	1-13-1, Nihonbashi, Chuo-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	103-8272
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (212)588-0500</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2125880800</p> <p>Email: MEmas@flhlaw.com</p> <p>Correspondent Name: Marcie Emas</p> <p>Address Line 1: 745 Fifth Avenue</p> <p>Address Line 4: New York, NEW YORK 10151</p>											
ATTORNEY DOCKET NUMBER:	335001-2110										
NAME OF SUBMITTER:	Jeanmarie Spradlin										
<p>Total Attachments: 3</p> <p>source=assignment#page1.tif</p>											

OP \$40.00 12550662

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PATENT
REEL: 023170 FRAME: 0810

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE
Patent and 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)

Hiroshi IKEDA
Kiyoshi NOGUCHI
Saori KAJIHARA
Isamu SATO

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: TDK Corporation
Internal Address:
Street Address: 1-13-1, Nihonbashi, Chuo-ku
City, State, Zip: Tokyo, Japan 103-8272

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

3. Nature of conveyance:

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

Execution Date(s): August 20, 2009

4. Application number(s) or patent number(s): 12/550,662

If this document is being filed together with a new application, the execution date of the application is:

Additional numbers attached? ☐ Yes ☒ No

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

Name: Ellen Marcie Emas
Internal Address: FROMMER LAWRENCE & HAUG LLP
Street Address: 745 FIFTH AVENUE
City: NEW YORK State: N.Y. Zip: 10151

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 50-0320

8. Deposit account number: 50-0320

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

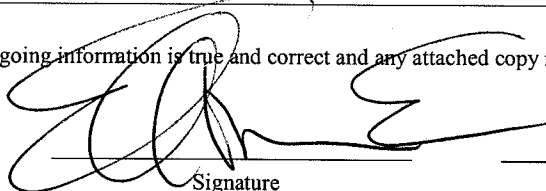
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9. Statement and signature.

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.

Ellen Marcie Emas

Name of Person Signing



Signature

August 31, 2009

Date

Total number of pages including cover sheet, attachments, and document 3

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Mail documents to be recorded with required cover sheet information to:

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ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by Hiroshi IKEDA, Kiyoshi NOGUCHI, Saori KAJIHARA, and Isamu SATO, all residing at c/o TDK Corporation of 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, Japan (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in THIN-FILM MAGNETIC HEAD HAVING MICROWAVE MAGNETIC EXCITING FUNCTION AND MAGNETIC RECORDING AND REPRODUCING APPARATUS set forth in an application for Letters Patent of the United States, which is a

- (1) ☐ provisional application
 - (a) ☐ bearing Application No. _____, and filed on _____;
 - (b) ☐ to be filed herewith; or
- (2) ☒ non-provisional application
 - (a) ☐ bearing Application No. _____, and filed on _____;
 - (b) ☒ having an oath or declaration executed on even date herewith prior to filing of application;
 - (c) ☐ having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, TDK Corporation, a corporation duly organized under and pursuant to the laws of Japan and having a principal place of business at 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, Japan (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefore and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Frommer Lawrence & Haug LLP to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE August 20, 2009

Hiroshi Ikeda
Hiroshi IKEDA

DATE August 20, 2009

Kiyoshi Noguchi
Kiyoshi NOGUCHI

DATE August 20, 2009

Saori Kajihara
Saori KAJIHARA

DATE August 20, 2009

Isamu Sato
Isamu SATO