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Attorney Docket No. 134990

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

1. A. Name of conveying parties:

- (1) Hidetaka KAWANO
(2) Hiromichi UMEHARA
(3) Takamitsu SAKAMOTO
(4) Koichi OTANI
(5) Noriaki KASAHARA
(6) Naoto MATONO

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

☐ Yes ☒ No

3. A. Nature of conveyance:

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

B. Execution Date: (1-4) February 20, 2008
(5-6) February 21, 2008

2. A. Name and address of receiving parties:

TDK CORPORATION
1-13-1, NIHONBASHI
CHUO-KU, TOKYO 103-8272
JAPAN

SAE MAGNETICS (H.K.) LTD.
SAE TECHNOLOGY CENTRE
6 SCIENCE PARK EAST AVENUE
HONG KONG SCIENCE PARK
SHATIN, N.T.
CHINA

B. Additional name(s) & address(es) attached?

☐ Yes ☒ No

4. A. Patent Application No.(s) 12/000,519

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

C. Title of Application: THIN-FILM MAGNETIC HEAD FOR PERPENDICULAR MAGNETIC
RECORDING AND METHOD OF MAKING THE SAME

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

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 320850
Alexandria, VA 22320-4850
Phone Number: 703-836-6400
Fax Number: 703-836-2787

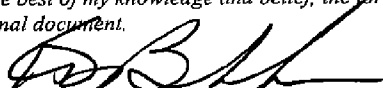
6. Total number of applications and patents involved: 1

7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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.



James A. Oliff, Registration No. 27,075
Kirk D. Berkheimer, Registration No. 59,874

Date: February 29, 2008

CH \$40.00 150461 12000519

For Non-U.S. Clients

ASSIGNMENT

Whereas, I/we,

NameAddress

1) Hidetaka KAWANO	(c/o) TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
2) Hiromichi UMEHARA	(c/o) TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
3) Takamitsu SAKAMOTO	(c/o) TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
4) Koichi OTANI	(c/o) TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
5) Noriaki KASAHARA	(c/o) TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
6) Naoto MATONO	543, Otai, Saku-shi, Nagano 385-0009 Japan

hereinafter called assignor(s), have invented certain improvements in
Thin-Film Magnetic Head for Perpendicular Magnetic Recording and Method of Making the Same

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless
 otherwise indicated below:

filed on December 13, 2007 Serial No. 12/000519; and

Whereas

TDK Corporation

1-13-1, Nihonbashi,
Chuo-ku, Tokyo 103-8272 Japan

and, **SAE Magnetics (H.K.) LTD.**

SAE Technology Centre, 6 Science Park East Avenue, Hong Kong Science Park,
Shatin, N.T. China

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States
 patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is
 hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign,
 transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to
 this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States
 which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of
 Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and
 assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with
 assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal
 proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or
 desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional,
 continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its
 successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being
 understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and
 assigns.

INVENTORSDATE SIGNED

1): Hidetaka Kawano
 Name: Hidetaka KAWANO

February 20, 2008

2): Hiromichi Ume-hara
 Name: Hiromichi UMEHARA

Feb. 20 / 2008

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

3): Takamitsu Sakamoto
Name: Takamitsu SAKAMOTO

4): Koichi Otani
Name: Koichi OTANI

5): Noriaki Kasahara
Name: Noriaki KASAHARA

6): _____
Name: Naoto MATONO

Feb 20 / 2008

Feb 20 / 2008

Feb 21 / 2008

For Non-U.S. Clients

ASSIGNMENT

<u>Whereas, I/we,</u> <u>Name</u>	<u>Address</u>
1) Hidetaka KAWANO	(c/o) TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
2) Hiromichi UMEHARA	(c/o) TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan
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(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORS

DATE SIGNED

1):
Name: **Hidetaka KAWANO**

2):
Name: **Hiromichi UMEHARA**

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

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Name: Takamitsu SAKAMOTO

4):
Name: Koichi OTANI

5):
Name: Noriaki KASAHARA

6):
Name: Naoto MATONO Feb. 21, '08

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