

Mail Stop:

Assignment Recordation Services
Director of the U.S. Patent
and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

**U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Attorney Docket No. 149470

Please record the attached document.

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

1. A. Name of conveying parties:

1. Yoshitaka SASAKI
2. Hiroyuki ITO
3. Shigeki TANEMURA
4. Kazuki SATO
5. Atsushi IJIMA

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]: JULY 6, 2011

[5]: JULY 20, 2011

2. A. Name and address of receiving parties:

[1] HEADWAY
TECHNOLOGIES, INC.
678 S. HILL VIEW DR.,
MILPITAS, CA 95035, U.S.

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

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

☐ Yes ☒ No

4. A. Patent Application No. 13/099,729

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

C. Title of Application: THIN-FILM MAGNETIC HEAD, METHOD OF
MANUFACTURING THE SAME, HEAD GIMBAL
ASSEMBLY, AND HARD DISK DRIVE

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

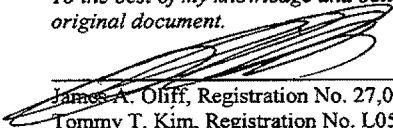
6. Total number of applications and patents involved: 1

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
Tommy T. Kim, Registration No. L0543

Date: August 1, 2011

CH \$40.00 150461 13099729

ASSIGNMENT (Two Assignees)

Insert (1-8) Name(s) of Inventor(s)	(1) <u>Yoshitaka SASAKI</u> (2) <u>Hiroyuki ITO</u> (3) <u>Shigeki TANEMURA</u>	(4) <u>Kazuki SATO</u> (5) <u>Atsushi IJIMA</u> (6) _____
---	---	---

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

(9A) Insert Name of First Assignee	(9A) <u>HEADWAY TECHNOLOGIES, INC.</u>
(10A) Insert Address of First Assignee	(10A) <u>678 S. HILLVIEW DR., MILPITAS, CA 95035, U.S.</u>
(9B) Insert Name of Second Assignee	(9B) <u>SAE MAGNETICS (H.K.) LTD.</u>
(10B) Insert Address of Second Assignee	(10B) <u>SAE TECHNOLOGY CENTRE, 6 SCIENCE PARK EAST AVENUE, HONG KONG SCIENCE PARK, SHATIN, N.T., HONG KONG, CHINA</u>

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification, such as Title, Case Number or Foreign Application Number	(11) <u>THIN-FILM MAGNETIC HEAD, METHOD OF MANUFACTURING THE SAME, HEAD GIMBAL ASSEMBLY, AND HARD DISK DRIVE</u>
--	--

Attorney Docket No. 149470

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application	(12) on _____
--	---------------

(13) Alternative Identification for filed applications	(13) U.S. Application Serial Number <u>13/099,729</u> filed <u>May 3, 2011</u>
--	---

1) Each undersigned agrees to execute all papers necessary in connection with the application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof, or any patent or reissue application based thereon, and to cooperate with the Assignees in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and 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.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignees.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application or any divisional, continuing or reissue applications to the said Assignees, as Assignees of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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

Date <u>7/6/11</u>	Inventor Signature <u>Yoshitaka Sasaki</u> (SEAL)
Date <u>7/6/11</u>	Inventor Signature <u>Hiroyuki Ito</u> (SEAL)
Date <u>7/6/11</u>	Inventor Signature <u>Shigeki Tanemura</u> (SEAL)
Date <u>7/6/11</u>	Inventor Signature <u>Kazuki Sato</u> (SEAL)
Date _____	Inventor Signature _____ (SEAL)
Date _____	Inventor Signature _____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date <u>7/6/11</u>	Witness <u>T. Mahaffey</u>
Date <u>7/6/11</u>	Witness <u>Dan Z</u>

ASSIGNMENT **(Two Assignees)**

Insert (1-8) Name(s) of Inventor(s)	(1) <u>Yoshitaka SASAKI</u> (2) <u>Hiroyuki ITO</u> (3) <u>Shigeki TANEMURA</u>	(4) <u>Kazuki SATO</u> (5) <u>Atsushi IITMA</u> (6) _____
---	---	---

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

(9A) Insert Name of First Assignee	(9A) <u>HEADWAY TECHNOLOGIES, INC.</u>
(10A) Insert Address of First Assignee	(10A) <u>678 S. HILLVIEW DR., MILPITAS, CA 95035, U.S.</u>
(9B) Insert Name of Second Assignee	(9B) <u>SAE MAGNETICS (H.K.) LTD.</u>
(10B) Insert Address of Second Assignee	(10B) <u>SAE TECHNOLOGY CENTRE, 6 SCIENCE PARK EAST AVENUE, HONG KONG SCIENCE PARK, SHATIN, N.T., HONG KONG, CHINA</u>

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification, such as Title, Case Number or Foreign Application Number	(11) <u>THIN-FILM MAGNETIC HEAD, METHOD OF MANUFACTURING THE SAME, HEAD GIMBAL ASSEMBLY, AND HARD DISK DRIVE</u> Attorney Docket No. <u>149470</u>
--	---

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application	(12) on _____
--	---------------

(13) Alternative Identification for filed applications	(13) U.S. Application Serial Number <u>13/099,729</u> filed <u>May 3, 2011</u>
--	---

1) Each undersigned agrees to execute all papers necessary in connection with the application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof, or any patent or reissue application based thereon, and to cooperate with the Assignees in every way possible in obtaining evidence and going forward with such interference.

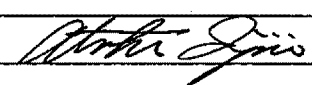
3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignees.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application or any divisional, continuing or reissue applications to the said Assignees, as Assignees of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of **OLIFF & BERRIDGE, PLC** the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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

Date _____	Inventor Signature _____	(SEAL)
Date _____	Inventor Signature _____	(SEAL)
Date _____	Inventor Signature _____	(SEAL)
Date _____	Inventor Signature _____	(SEAL)
Date <u>20/July/2011</u>	Inventor Signature <u></u>	(SEAL)
Date _____	Inventor Signature _____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date _____	Witness _____
Date _____	Witness _____

PATENT