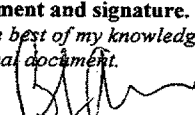


Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	RECORDATION FORM COVER SHEET PATENTS ONLY	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
		Attorney Docket No. <u>146885</u>
Please record the attached document.		
Total number of pages including cover sheet, attachments, and document: <u>2</u>		
1. A. Name of conveying parties: 1. Yoshitaka SASAKI 2. Hiroyuki ITO 3. Hiroshi IKEJIMA 4. Atsushi IJIMA B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. A. Name and address of receiving parties: <div style="text-align: center;"> HEADWAY TECHNOLOGIES, INC. 678 S. HILLVIEW DR., MILPITAS, CA 95035 USA </div> <div style="text-align: center;"> SAE MAGNETICS (H.K.) LTD. SAE TECHNOLOGY CENTRE, 6 SCIENCE PARK EAST AVENUE, HONG KONG SCIENCE PARK, SHATIN, N.T., HONG KONG, CHINA </div> B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. A. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ B. Execution Date: <u>1. October 18, 2010</u> <u>2. October 18, 2010</u> <u>3. October 22, 2010</u> <u>4. October 22, 2010</u>		
4. A. Patent Application No. <u>12/875,710</u> B. Patent No.(s) _____ <div style="text-align: center;"> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div> C. Title of Application: <u>LAYERED CHIP PACKAGE AND METHOD OF MANUFACTURING SAME</u>		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> Address: <u>OLIFF & BERRIDGE, PLC</u> <u>P.O. Box 320850</u> <u>Alexandria, VA 22320-4850</u> <u>Phone Number: 703-836-6400</u> <u>Fax Number: 703-836-2787</u>	6. Total number of applications and patents involved: <u>1</u> 7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$ <u>40.00</u> . 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.	
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 60%;">  _____ James A. Oliff, Registration No. 27,075 Bjorn G. Anderson, Registration No. 63,398 </div> <div style="width: 35%; text-align: right;"> Date: <u>March 16, 2011</u> </div> </div>		

CH \$40.00 150461 12875710

ASSIGNMENT (Two Assignees)

(1-8) Insert Name(s) of Inventor(s)

(1) Yoshitaka SASAKI (4) Atsushi IJIMA

(2) Hiroyuki ITO (5) _____

(3) Hiroshi IKEJIMA (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) Headway Technologies, Inc.

(10A) Insert Address of First Assignee (10A) 678 S. Hillview Dr., Milpitas, CA 95035 U.S.A.

(9B) Insert Name of Second Assignee (9B) SAE Magnetics (H.K.) Ltd.

(10B) Insert Address of Second Assignee (10B) SAE Technology Centre, 6 Science Park East Avenue, Hong Kong Science Park, Shatin, N.T., Hong Kong, CHINA

(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) LAYERED CHIP PACKAGE AND METHOD OF MANUFACTURING SAME

Attorney Docket No. 146885

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 12/875,710

filed September 3, 2010

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>October 18, 2010</u>	Inventor Signature	<u>Yoshitaka Sasaki</u>	(SEAL)
Date	<u>October 18, 2010</u>	Inventor Signature	<u>Hiroyuki Ito</u>	(SEAL)
Date	<u>October 22, 2010</u>	Inventor Signature	<u>Hiroshi Ikejima</u>	(SEAL)
Date	<u>October 22, 2010</u>	Inventor Signature	<u>Atsushi Ijima</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>October 18, 2010</u>	Witness	<u>Himmler</u>
Date	<u>October 22, 2010</u>	Witness	<u>Shigeo Iwamura</u>

PATENT

RECORDED: 03/16/2011

REEL: 025993 FRAME: 0665