Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	RECORDATION FORM PATENTS O						
Please record the attached document. Total number of pages including cover she	et, attachments, and document	nt: <u>3</u>					
A. Name of conveying parties: (1) Yoshitaka SASAKI (2) Hiroyuki ITO (3) Atsushi IIJIMA B. Additional name(s) of conveying parties:	g party(ies) attached? □ Yes ⊠ No	2. A. Name and address of receiving party: (1) HEADWAY TECHNOLOGIES, INC. 678 S. HILLVIEW DR. MILPITAS, CA 95035 UNITED STATES OF AMERICA (2) SAE MAGNETICS (H.K.) LTD.					
3. A. Nature of conveyance: Assignment Security Agreement Other B. Execution Date: (1) & (2) Ja	Merger Change of Name nuary 19, 2011 nuary 6, 2011	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? SHATIN N.T. STATE OF THE STATE OF TH					
C. Title of Application: <u>ME</u> N	Patent Application No. 12/949,279 B. Patent No.(s) Additional numbers attached? ☐ Yes ☒ No Title of Application: MEMORY DEVICE, LAMINATED SEMICONDUCTOR SUBSTRATE AND METHOD OF MANUFACTURING THE SAME						
Name and address of party to whom concerning document should be mail Name: James A. Oliff	correspondence	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.					
Address: OLIFF & BERRIDG P.O. Box 3208 Alexandria, VA 223 Phone Number: 703- Fax Number: 703-8	50 320-4850 836-6400	Credit any overpayment or charge any underpayment to deposit account number 15-0461.					
9. Statement and signature. To the best of my knowledge and be original document. James A. Oriff, Registration No. 27, Michelle K. Windom, Registration 1	.075	n is true and correct and any attached copy is a true copy of the Date: <u>February 15, 2011</u>					

PATENT REEL: 025799 FRAME: 0688

ASSIGNMENT (Two Assignees)

		(1)	Yoshitaka SASAKI	(4)			
(1-8)	Insert	(2)	Hiroyuki ITO	(5)			
	Name(s) of Inventor(s)	(3)	Atsushi IIJIMA	(6)			
		to each	In consideration of the s of the undersigned, each und	turn of one dollar (\$1.00) and other good and valuable consideration paid lersigned agrees to assign, and hereby does assign, transfer and set over to			
(9A)	Insert Name of First Assignee	(9A)	Headway Technologies, Inc	<u>.</u>			
(10A)	Insert Address of First Assignee Insert Name of Second Assignee	(10A)	(10A) 678 S. Hillview Dr., Milpitas, CA 95035 United States of America				
(9B)		(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					
		Febrese §100, i provisi and all	entatives, the entire right, title in the invention, and in all ap onal, divisional, continuation	gnee) and Assignee's heirs, successors, assigns and legal e and interest for the United States of America as defined in 35 U.S.C. oplications for patent including any and all provisional, nonn, international, confirmation, substitute and reissue application(s), eissues and reexamination certificates that may be granted on the			
(11)	Insert Identification,	(11)	MEMORY DEVICE, LAN	MINATED SEMICONDUCTOR SUBSTRATE AND METHOD OF			
	such as Title, Case Number or Foreign		MANUFACTURING THE	E SAME			
	Application Number	Attorne	ey Docket No. 147584				
		for which	ch the undersigned has (have) te herewith or	executed an application for patent in the United States of America on			
(12)	Insert Date of Signing of	(10)					
	Application	(12) on	(1)&(2)Jan. 1	9, 2011; (3) Jan. 6, 2011			
(13)	Alternative	(13)	U.S. Application Serial				
(15)	Identification for filed applications	Number		12/949,279			
	,		November 18, 20				
applicat possible provisio a grant of Patents of entire imagreeme	as the Assignees may deem necess 2) Each undersigned agrees to ion or continuation or division the in obtaining evidence and going t 3) Each undersigned agrees to ns of the International Convention 4) Each undersigned agrees to of a valid United States patent to tf 5) Each undersigned authorizes of the United States resulting from terest, and covenants that he has fe nts in conflict herewith, and agree 6) Each undersigned hereby gra necessary or desirable in order to c	ent(s) issuidary. execute all reof, or any correct all for Protect perform all the Assigned said applicall right to est that this ants the fin omply with	papers necessary in connection papers necessary in connection papers necessary in connection papers and documents and papers and papers and papers and papers and papers and papers are the cation or any divisional, continuously the entire interest here assignment is binding on here of OLIFF & BERRIDGE, PLG at the rules of the United States	e necessary to obtain, maintain or confirm by reissue or reexamination U.S. Patent and Trademark Office to issue any and all Letters nuing or reissue applications to the said Assignees, as Assignees of the in assigned, and that he has not executed, and will not execute, any aim and his heirs, successors, assigns and legal representatives. It is to the power to insert on this assignment any further identification that is Patent and Trademark Office for recordation of this document.			
D-4-	In witness whereof, executed by	y the unde		site the undersigned name(s)			
Date Date	119/2011	,	Inventor Signature	(SEAL)			
Date	111-04	-	Inventor Signature Inventor Signature				
Date			Inventor Signature	(SEAL)			
Date .			_	(SEAL)			
Date				(SEAL)			
then it sh	This assignment should preferably ould be signed before at least two	y be signed witnesses v	before: (a) a Notary Public if	within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither,			
Date							

PATENT REEL: 025799 FRAME: 0689

ASSIGNMENT (Two Assignees)

		(1)	Yoshitaka SASAKI		(4)		
(1-8)	Insert Name(s)	(2)	Hiroyuki ITO				
	of Inventor(s)	(3)	Atsushi IIJIMA		(6)		
6 40	•	to each	In consideration of t	he sum of one dollar (\$ undersigned agrees to a	(1.00) and other good and valuable consideration passign, and hereby does assign, transfer and set over		
(9A)	Insert Name of First Assignee	(9A)	Headway Technologies,				
(10A)	Assignee	(10A) 678 S. Hillview Dr., Milpitas, CA 95035 United States of America					
(9B)	(9B) Insert Name of Second Assignee (10B) Insert Address of Second Assignee	(9B)					
(108)		(10B)					
		§100, in provision	a the invention, and in all onal, divisional, continue	applications for pater	s heirs, successors, assigns and legal e United States of America as defined in 35 U.S. at including any and all provisional, non- diffirmation, substitute and reissue application(s), ination certificates that may be granted on the		
(11)	Insert Identification.	(11)	MEMORY DEVICE, L	AMINATED SEMICO	ONDUCTOR SUBSTRATE AND METHOD OF		
	such as Title, Case Number or Foreign		MANUFACTURING T				
	Application Number	Attorney	Docket No. 147584				
		for which	n the undersigned has (have herewith or	e) executed an applica	tion for patent in the United States of America on		
(12)	Insert Date of Signing of	(12)	•				
	Application	on	(1)&(2) Jan.	19, 2011; ((3) Jan. 6, 2011		
(13)	Alternative	(13) Number	U.S. Application Serial	12/949,27	Q		
	Identification for filed applications	3.7	1 - 10 0	~ - ~			
	filed applications		ovember 18, 2				
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Witness

PATENT REEL: 025799 FRAME: 0690

RECORDED: 02/15/2011

Date