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 (TENT OF COMMERCE ent and Trademark Office
Please record the attached document Total number of pages including cov		ent: 3			
A. Name of conveying partie (1) Yoshitaka SAS (2) Hiroyuki ITO (3) Atsushi IIJIMA B. Additional name(s) of con	AKI	2. A.	HEADV I 678 S. H	ddress of receiving WAY TECH NC. HILLVIEW 1 (AS, CA 950)	NOLOGIES, DR.
3. A. Nature of conveyance: Assignment Security Agreement Other B. Execution Date: (1) and (3): April 2, 2011	☐ Merger ☐ Change of Name d (2): March 29, 2011;	В.	6 SCIENT HONG: SHATIN CHINA	NCE PARK KONG SCIE N, N.T., HOD	
4. A. Patent Application No. 13C. Title of Application: M	Additional numbers attach				THE CAME
5. Name and address of party to w concerning document should be Name: James A. Oliff Address: OLIFF & BERI P.O. Box 3 Alexandria, VA Phone Number: 76	mailed: RIDGE, PLC 20850 22320-4850 703-836-6400	6. Tota 7. P. to	lease chargotal fee (37	applications and representations and proposit According to the CFR 3.41) in the	patents involved: 1 ount No. 15-0461 the e amount of \$40.00. any underpayment to
9. Statement and signature. To the best of my knowledge an original document. James A. Oliff, Registration No Jay R. Bumbier, Registration N	d belief, the foregoing informatio 27,075 0. 66,569	n is true an		d any attached co ne 2, 2011	py is a true copy of the

PATENT REEL: 026391 FRAME: 0109

ASSIGNMENT (Two Assignees)

	Insert	(1)	Yoshitaka SASAKI		(4)			
(1-8)	Name(s)	(2)	Hiroyuki ITO		(5)			
	of Inventor(s)	(3)	Atsushi IIJIMA		(6)			
		each o	In consideration of the sum of the undersigned, each undersigned.	of one dollar (\$1 med agrees to as	.00) and other goo sign, and hereby d	d and valuable cons oes assign, transfer a	ideration paid to and set over to	
(9A)	Insert Name of First Assignee	(9A)	Headway Technologi	es, Inc.				
(10A)	Insert Address of First Assignee	(10A)	678 S. Hillview Dr., 1	Milpitas, CA	A 95035, Unit	ed States of A	merica	
(9B)	Insert Name of Second Assignee (9B) SAE Magnetics (H.K.) LTD.							
(10B)	Insert Address of Second Assignee	(10B)	6 Science Park East Avenue, Hong Kong Science Park, Shatin, N.T., Hong Kong, China					
		entire in all a interna	nafter designated as the Assigne right, title and interest for the U applications for patent including attional, confirmation, substitute nination certificates that may be	Jnited States of g any and all pro and reissue app	America as define ovisional, non-proplication(s), and a	ed in 35 U.S.C. §10 visional, divisional Il Letters Patent, ex	0, in the invention, and continuation.	
(11)	Insert	(11)	MEMORY DEVICE	E AND ME	THOD OF M	<u>ANU</u> FACTUF	NING THE	
	Identification, such as Title, Case		SAME					
	Number or Foreign	Attorn					***************************************	
	Application Number		ey Docket No. 148382 ich the undersigned has (have) ex	vecuted an annli	cation for natent in	the United States of	£ America en	
(10)		even da	ate herewith or	xocated air appri	cation to patent n	the Office States (a Adherica on	
(12)	Insert Date of	(12)						
	Signing of Application	on	March 29, 201	1 and Ap	ril 2, 201	1	7-7-5-1Mh	
(13)	Alternative	(13) Number	U.S. Application Serial	13/01	4,093			
	Identification for		•					
	filed applications	filed						
application possible in provision a grant of Patents of entire intra agreement	ons for the invention, and any pass the Assignees may deem neces. 2) Each undersigned agrees to on or continuation or division the in obtaining evidence and going. 3) Each undersigned agrees to its of the International Convention. 4) Each undersigned agrees to it availd United States patent to to 5) Each undersigned authorize it the United States resulting from the United States resulting from erest, and covenants that he has it in conflict herewith, and agree 6) Each undersigned hereby given in the state of the Each undersigned hereby given in the state of th	intent(s) issues ary. It is execute all ereof, or an forward with the execute all in for Protect perform a the Assigners and requires and require the firent the firents the firents are the firents.	Il papers and documents and periction of Industrial Property or sir Il affirmative acts which may be	separate assignment with any interferased thereon, and form any act who milar agreements an ecessary to obtain or reissue and using or reissue and the assigned, and its and his heits the power to instantial assignment.	ments in connection erence which may do to cooperate with ich may be necessated. Trademark Office pplications to the shat he has not executed, successors, assignert on this assignert on this assignert.	n with such applicate the declared concern in the Assignees in enterprise or ary in connection with confirm by reissue or the to issue any and a aid Assignees, as As and will not ect the and legal represent any further identifier.	ing this very way th claims or reexamination Il Letters ssignees of the xecute, any sentatives. tification that	
	In witness whereof, executed i	by the und	ersigned on the date(s) opposit	-2	15/6	2 Day 2 1	6.	
Date _	2100/11	·	Inventor Signature	100	heles In	y may	(SEAL)	
Date _ Date	3/3////		Inventor Signature	M	nom	<u>//</u>	(SEAL)	
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Date			Inventor Signature				(SEAL)	
Date _			Inventor Signature		,	• parametric ·	(SEAL)	
then it ch	This assignment should preferab	oly be signe	ed before: (a) a Notary Public if	within the U.S.A	. (b) a U.S. Consu	l if outside the U.S.		
Date Date	ome of signed object at least IWI	o withesses	s who also sign here: Witness	Phia	Trans	ung		
Data				MIL	. 10			

REEL: 026391 FRAME: 0110

ASSIGNMENT (Two Assignees)

	Insert	(1) Yoshitaka SASAKI	, ,			
(1-8)	Name(s)	(1) Yoshitaka SASAKI (2) Hiroyuki ITO	(4) (5)			
	of Inventor(s)	(3) Atsushi IIJIMA	(6)			
		In consideration of the sur each of the undersigned, each under	m of one dollar (\$1.00) and other good and valuable consideration paid to signed 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, United States of America			
(9B)	Insert Name of Second Assignee	(9B) SAE Magnetics (H.K.) LTD.				
(10B)	Insert Address of Second Assignee	6 Science Park East Hong Kong, China	6 Science Park East Avenue, Hong Kong Science Park, Shatin, N.T., Hong Kong, China			
		in all applications for patent includinternational, confirmation, substitution	enee) and Assignee's heirs, successors, assigns and legal representatives, to United States of America as defined in 35 U.S.C. §100, in the invention ing any and all provisional, non-provisional, divisional, continuation, ate and reissue application(s), and all Letters Patent, extensions, reissues a be granted on the invention known as			
(11)	Insert	(11) MEMORY DEVIC	CE AND METHOD OF MANUFACTURING THE			
	Identification, such as Title, Case	SAME				
	Number or Foreign Application Number	Attorney Docket No. 148387				
	· spp. cauon rumber	1,70,704	executed an application for patent in the United States of America on			
(12)	Insert Date of	even date herewith or	- America of America of			
(···-)	Signing of	12)	11 1 4 41 0 0011			
	Application	m <u>March 29, 20</u>	ll and Apæil 2, 2011			
(13)	Alternative	13) U.S. Application Serial	10/01/ 00-			
	Identification for	Number	13/014,093			
	filed applications	iled				
application possible provision a grant of Patents of entire integreement	so the invention, and any pa se the Assignees may deem neces: 2) Each undersigned agrees to ton or continuation or division the in obtaining evidence and going 3) Each undersigned agrees to not of the International Convention 4) Each undersigned agrees to fa valid United States patent to to 5) Each undersigned authorize of the United States resulting from terest, and covenants that he has a total in conflict herewith, and agree 6) Each undersigned hereby go necessary or desirable in order to the	(S) issuing thereon, and also to execu- coute all papers necessary in connecti- f, or any patent or reissue application ward with such interference, coute all papers and documents and per Protection of Industrial Property or seriors form all affirmative acts which may be Assignees, and requests the Commissioner of the id application or any divisional, conti- right to convey the entire interest here that this assignment is binding on be set the firm of OLIFF & BERRIDGE, PL uply with the rules of the United State	to the necessary to obtain, maintain or confirm by reissue or reexamination to U.S. Patent and Trademark Office to issue any and all Letters nuing or reissue applications to the said Assignees, as Assignees of the tin assigned, and that he has not executed, and will not execute, any nim and his heirs, successors, assigns and legal representatives. Cethe power to insert on this assignment any further identification that is Patent and Trademark Office for recordation of this document.			
Date	In witness whereof, executed b	he undersigned on the date(s) oppo	site the undersigned name(s).			
Date		Inventor Signature	(SEAL)			
Date	2/Apr/20	Inventor Signature	(SEAL)			
Date	1017-5		Months Spire (SEAL)			
Date		Inventor Signature Inventor Signature	(SEAL)			
Date		Inventor Signature	(SEAL)			
then it sh	This assignment should preferab ould be signed before at least two	e signed hefore: (a) a Notany Dublic is	f within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither,			
Date		Witness				
Date		Witness	DATENT			

RECORDED: 06/02/2011

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