Direct an P.O. 1	and a contract of the contract	CORDATION FORM (PATENTS ON	NLY		MENT OF COMMERCI ant and Trademark Offic 154607
Please	e record the attached document.		-		
Total	number of pages including cover sheet, at	achments, and document	:: 3		
1. A		<u> </u>		address of receiving	ng parties:
В		ty(ies) attached? es ⊠ No	678 S. HI MILPITA UNITED 2) SAE MA SAE TEO 6 SCIENO HONG K	ILLVIEW D AS, CA 9503 STATES O GNETICS (I CHNOLOGY	5 F AMERICA H.K.) LTD. Z CENTRE, AST AVENUE, NCE PARK,
3. A	Nature of conveyance:		B. Additional	name(s) & addres	
D	Assignment	ger		∐Y∂	es 🛛 No
	Security Agreement Cha	nge of Name			
	Other				
В	B. Execution Date: <u>ALL</u>) Octobe	r 16, 2012			
4. A	. Patent Application No. 13/586,35	1	B. Patent No.		
	Ado	litional numbers attached	l? ☐ Yes ☒ No		
С	TI T	LY ASSISTED MAC , HEAD GIMBAL A			
	ame and address of party to whom correspondering document should be mailed:	pondence 6	5. Total number of a	applications and p	atents involved: 1
1	Name: James A. Oliff	7			ount No. 15-0461 the amount of \$40.00.
	Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-485 Phone Number: 703-836-64 Fax Number: 703-836-278'	0	3. Credit any overpa deposit account n		any underpayment to
T	tatement and signature. to the best of my knowledge and belief, the riginal document,	foregoing information is		any attached copy	v is a true copy of the
	ames A. Oliff, Registration No. 27,075 Ian Y. Liu, Registration No. 69,116		<i>Daw.</i> <u>Oc</u>		ENT

REEL: 029254 FRAME: 0268

ASSIGNMENT (Two Assignees)

	Insert	(1)	Yoshitaka SASAKI	(2)	Hiroyuki ITO				
(1-8)	Name(s)	(3)	Hironori ARAKI	(4)	Shigeki TANEMURA				
	of Inventor(s)	(5)	Kazuki SATO	(6)	Ryuji FUJII				
		(7)		(8)					
		the und	ideration of the sum of one dolla ersigned, the receipt and suffici- and hereby does assign, transfer	ency of which are I	er good and valuable consideration pa hereby acknowledged, each undersign	id to each of ned agrees to			
(9A)	Insert Name of First Assignee	(9A) HEADWAY TECHNOLOGIES, INC.							
(10A)	Insert Address of First Assignce	(10A)	678 S. Hillview Dr., Milpita	ed States of America					
(9B)	Insert Name of Second Assignee	(9B)	(9B) SAE MAGNETICS (H.K.) LTD.						
(10 B)	Insert Address of Second Assignce	(10B)	SAE Technology Centre, 6 Science Park East Avenue, Hong Kong Science Park, Shatin, N.T., Hong Kong, China						
		the enti invention continu	re right, title and interest for the on, and in all applications for pa- ation, international, confirmatio	United States of A tent including any n, substitute and re	neirs, successors, assigns and legal rep America as defined in 35 U.S.C. §100, and all provisional, non-provisional, eissue application(s), and all Letters P ay be granted on the invention known	, in the divisional,			
(11)	Insert Identification such as Title, Case	(11)	THERMALLY ASSISTED M	AGNETIC HEAD	, METHOD OF MANUFACTURING	G			
	Number, or Foreign Application Number		THE SAME, HEAD GIMBAL	ASSEMBLY, AN	ND HARD DISK DRIVE				
			(Attorney Docket No. 154607						
		for which	ch the undersigned has (have) ex te herewith or	recuted an applicat	tion for patent in the United States of	America on			
(12)	Insert Date of Signing of Application	(12)	าก						
		()							
(13)	Alternative	(13) l	J.S. Application Number	13/568,351					
	Identification for	filed							
	filed applications	filed	August 15, 2012						
applications application such interestation or reexaminate issue a full right and agree identification in the such identification in the such identification in the such identification identification in the such identification ident	e separate assignments in con 2) Each undersigned agrees on or patents for the inventior reference. 3) Each undersigned agrees provisions of the Internation 4) Each undersigned agrees ation a grant of a valid United 5) Each undersigned authoriny and all patents resulting from the convey the entire interest is that this assignment is bind 6) Each undersigned hereby	to execute and to come to execute al Converte to perform zers and references and	with such applications and pate e all papers necessary in conne cooperate with the Assignees in e all papers and documents and nition for Protection of Industrian all affirmative acts which material to the Assignees, equests the Commissioner of the application(s) to the said Assigned, and that he has not exected as the control of the said Assigner and Assignor's heirs, sue firm of OLIFF & BERRIDGE.	nts as the Assigne ection with any int every way possib I perform any actal Property or simal be necessary to the U.S. Patent and nees, as Assignees as Assignees and the power to recessors, assigns PLC the power to	erference which may be declared co- le in obtaining evidence and going f which may be necessary in connection ilar agreements, obtain, maintain or confirm by reiss. Trademark Office and other issuing s of the entire interest, and covenants; execute, any agreement(s) in confli-	oncerning any forward with on with sue or g authorities s that he has ct herewith,			
Date	In witness whereof, execute	d by the	undersigned on the date(s) or Inventor Signature	posite the under	signed name(s)	(CEAL)			
Date _	10/16/20	12	Inventor Signature	AL	while	(SEAL)			
Date _	10/16 /2016	2	Inventor Signature	Amo	luo	(SEAL)			
Date _	10/16/2012		Inventor Signature	String	No Tomme	(SEAL)			
Date _	10/16/2012	2.	Inventor Signature	Romaki	Sato	(SEAL)			
Date _	4.4		Inventor Signature	MR-Auto-		(SEAL)			
Date _		··· <u></u>	Inventor Signature			(SEAL)			
Date _			Inventor Signature			(SEAL)			
neither, tl	This assignment should preferent it should be signed before $\frac{10/(7/20)}{20/2}$	at least t	wo witnesses who also sign he	polic if within the U	J.S.A. (b) a U.S. Consul if outside the	e U.S.A. If			

PATENT REEL: 029254 FRAME: 0269

ASSIGNMENT (Two Assign

				(1 wo Assigne	es)				
	Insert	(1)		Yoshitaka SASAKI	(2)		Hiroyuki ITO		
(1-8)	Name(s)	(3)		Hironori ARAKI	(4)	•	Shigeki TANEMURA		
	of Inventor(s)	(5)	_	Kazuki SATO	(6)	•	Ryuji FUJII		
		(7)			(8)	•			
		the u	nder	eration of the sum of one dollar (signed, the receipt and sufficience and hereby does assign, transfer an	y of which are	er h	good and valuable consideration paid to each of ereby acknowledged, each undersigned agrees to		
(9A)	Insert Name of First Assignee	(9A		HEADWAY TECHNOLOGIES, INC.					
(10A)	Insert Address of First Assignee		4)	678 S. Hillview Dr., Milpitas, CA 95035 United States of America					
(9B)	Insert Name of Second Assignee	(9B	B) SAE MAGNETICS (H.K.) LTD.						
(10B)	Insert Address of Second Assignee	(101)	SAE Technology Centre, 6 Science Park East Avenue, Hong Kong Science Park, Shatin, N.T., Hong Kong, China						
		the en inven contir	itire tion. tuati	right, title and interest for the Un, and in all applications for patent ion, international, confirmation, s	ited States of a including any ubstitute and r	Aı ⁄a rei	eirs, successors, assigns and legal representatives, merica as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ssue application(s), and all Letters Patent, by be granted on the invention known as		
(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)					METHOD OF MANUFACTURING		
			_1	THE SAME, HEAD GIMBAL AS	SSEMBLY, A	N	D HARD DISK DRIVE		
		(Atto	rney	Docket No. 154607)		
		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)	011	V					
(13)	Alternative	(13)	U,	S. Application Number	13/568,351				
	Identification for					_	, v.,		
	filed applications	filed	_	August 15, 2012					
pplicati	te separate assignments in cor 2) Each undersigned agrees on or patents for the invention erference.	nection to exec n and to	ute :	th such applications and patents all papers necessary in connection operate with the Assignees in every content of the content	as the Assigno on with any in ery way possib	ee ite ble	lication and/or patent for the invention and also is may deem necessary. rference which may be declared concerning any in obtaining evidence and going forward with which may be necessary in connection with		
	5) Bacil undersigned agrees	to exec	ule	an papers and documents and pe	rrorm any act	· W	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 and other issuing authorities to issue any and all patents resulting from said application(s) 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 agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's 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,

	executed by the undersigned on the date(s) opposite the undersigned na	
Date	Inventor Signature	(SEAL)
Date	Inventor Signature	(SEAL)
Date	Inventor Signature	
Date	Inventor Signature	
Date	Inventor Signature	(SEAL)
Date	Inventor Signature & Tryic	(SEAL)
Date	Inventor Signature	(SEAL)
Date	Inventor Signature	(SEAL)
This assignment shoul neither, then it should be signed	ld preferably be signed before: (a) a Notary Public if within the U.S.A. (b) at before at least two witnesses who also sign here:	a U.S. Consul if outside the U.S.A. If
Date	Witness	
Date	Witness	
		B A TELIT

PATENT

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