Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	RECORDATION FORM CO PATENTS ONI					
Please record the attached document.  Total number of pages including cover sheet, attachments, and document: 2						
	·					
1. A. Name of conveying parties: [1] Hironori ARAKI [2] Yoshitaka SASAKI [3] Hiroyuki ITO [4] Shigeki TANEMURA [5] Kazuo ISHIZAKI [6] Takehiro HORINAKA  B. Additional names of conveying	A	A. Name and address of receiving party:  HEADWAY TECHNOLOGIES, INC. 678 S. HILLVIEW DR.  MILPITAS, CA, 95035 U.S.A.				
3. A. Nature of conveyance:  Assignment  Security Agreement  Other  B. Execution Date: [ALL] Feb	Merger Change of Name oruary 5, 2009	B. Additional names & addresses attached?  ☐ Yes ☑ No				
4. A. Patent Application No. 12/318	<u>8,412</u>	B. Patent No.s				
Additional numbers attached? ☐ Yes ☒ No  C. Title of Application: MAGNETIC HEAD FOR PERPENDICULAR MAGNETIC RECORDING HAVING SIDE SHIELD LAYER AND METHOD OF MANUFACTURING SAME						
Name and address of party to whom c concerning document should be maile		5. Total number of applications and patents involved: 1				
Name: <u>James A. Oliff</u>		Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.				
Address: OLIFF & BERRIDGE, PL P.O. Box 320850 Alexandria, VA 223 Phone Number: 703-836 Fax Number: 703-836-2	20-4850 -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 belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Date: February 17, 2009  James A. Oliff Registration No. 27,078  Samuel T. Dangremond Registration No. 60,466						

**PATENT** 

**REEL: 022270 FRAME: 0797** 

## ASSIGNMENT

		(1)	Hironori ARAKI	(5)	Kazuo ISHIZAKI		
(1-8) Insert Name(s) of Inventor	Insert	(2)	Yoshitaka SASAKI	(6)	Takehiro HORINAKA		
	Name(s) of Inventor(s)	(3)	Hiroyuki ITO	(7)			
		(4)	Shigeki TANEMURA				
		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					
(9)	Insert Name of Assignee (9) Headway Technologies, Inc.						
(10) Insert Address of		(10) 678 S. Hillview Dr., Milpitas, CA 95035 U.S.A.					
	, sos gree	(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	(11)	MAGNETIC HEAD FOR PERPI	NDICULAR	MAGNETIC RECORDING HAVING SIDE		
	such as Title, Case Number, or Foreign Application Number	SHIELD LAYER AND METHOD OF MANUFACTURING SAME  (Attorney Docket No)					
		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		<del></del>		
(13) Alternative Identification for filed applications	(1.3)	U.S. application Serial Number	r <u>12/</u> 3	318,412			
		filed	December 29, 2	8008			
1) Each undersigned agrees to execute all papers necessary in connection with any 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 Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee 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 Assignee.  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(s) to the said Assignee, as Assignee of the entire interest, and covenants that be 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, execut	ed by th	e undersigned on the date(s) opp	osite the unde	ersigned name(s).		
Date	February 5, 2	2009	Inventor Signature	Hivens	(SEAL)		
Date		2009	Inventor Signature	JOSHA	tarn Sasah (SEAL)		
Date		2009	Inventor Signature	Mas	(SEAL)		
Date		2009	Inventor Signature	Jhig.	Or farespure (SEAL)		
Date		2009	Inventor Signature	Myers	defleyth (SEAL)		
Date	February 5, 2	2009	Inventor Signature	Taken	hus pornake (SEAL)		
Date			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	February 5, 2		<del></del>	UZURU	IWAI Gupen Jame		
Date	February 5, 2	2009	Witness	<del>li-Ting</del>	VAO Girtig You		
				,			

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**RECORDED: 02/17/2009**