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Alexandria, VA 22313-1450		At	torney Docket No. <u>144595</u>				
Please record the attached document.  Total number of pages including cover sheet, attachments, and document: 2							
1. A. Name of conveying parties: 1) Tsutomu CHOU 2) Eiji KOMURA 3) Koji SHIMAZAWA 4) Kosuke TANAKA 5) Daisuke MIYAUCHI  B. Additional name(s) of convey	ying party(ics) attached? □ Yes ⊠ No	TDK ( 1-13-1	nd address of receiving party: CORPORATION , NIHONBASHI D-KU, TOKYO, 103-8272, JAPAN				
3. A. Nature of conveyance:  Assignment  Security Agreement  Other  B. Execution Date: 1-5) Febru	☐ Merger ☐ Change of Name  □ ary 16, 2010	B. Addition	nal namc(s) & address(es) attached? □Yes ⊠ No				
4. A. Patent Application No.(s) 12/710,129  B. Patent No.(s)  Additional numbers attached? ☐ Yes ☒ No							
<u> </u>	<u>AT-ASSISTED MAGNET</u> NERATO <u>R</u>	IC RECORDING	HEAD INCLUDING PLASMON				
Name and address of party to who concerning document should be m	om correspondence nailed:	6. Total number	τ of applications and patents involved: 1				
Name: <u>James A. Qliff</u>		7. Please c	harge Deposit Account No. 15-0461 the (37 CFR 3.41) in the amount of \$40.00.				
Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787		Credit any overpayment or charge any underpayment to deposit account number 15-0461.					
9. Statement and signature. To the best of my knowledge and original document.  James A. Dirff Registration No. 2 Jeffrey R. Bousquet Registration	27,075		ct and any attached copy is a true copy of the				

PATENT REEL: 023974 FRAME: 0040

**RECORDED: 02/22/2010** 

## ASSIGNMENT

		(1) <u>T</u> :	sutomu CHOU	(5)	<u>Daisuke MIYAUCHI</u>			
(1-8)	Insert	(2) <u>E</u>	<u>ji KOMURA</u>	(6)				
	Nome(s) of Inventor(s)	(3) <u>K</u>	oji SHIMAZAW <u>A</u>	(7)				
		(4) <u>K</u>	osuke TANAKA	(8)				
		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) TI	DK Corporation					
(10)	Insert Address of Assignee			-ku. Tokvo. 10	3-8272. Japan			
	g	(10) 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan  (hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representat 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-previsional, division 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	(11) <u>HE</u>	AT-ASSISTED M	AGNETIC	RECORDING HEAD	<u>INCLUDIN</u> G		
	Identification such as Title, Case	PI	ASMON GENERAT	OR				
	Number, or Foreign Application Number	(Attorney Docket No. )						
		for which I on even da	xecuted an applic	cation for patent in the United	States of America			
(12)	Insert Date of Signing of Application	(12)	on			<del></del>		
(13)	Alternative	(13)	U.S. application Serial Num	beг				
	Identification for filed applications	filed			<del></del>			
claims reexan Patents full rig and ag	plication or continuation or disignee in every way possible i  3) Each undersigned agree or provisions of the Internation  4) Each undersigned agree intains a grant of a valid Unitor interest of the United States resulting the to convey the entire interest rees that this assignment is bin  6) Each undersigned here	ivision thereof n obtaining events to execute to mail Convention es to perform ted States pate orizes and req from said ap t herein assign adding on him to by grants the i	, or any patent or reissue appridence and going forward wall papers and documents and no Protection of Industria all affirmative acts which ment to the Assignee, uests the Commissioner of the plication(s) to the said Assigned, and that he has not executed his heirs, successors, assigned of OLIFF & BERRINGE.	plication based the such interfered perform any act of the perform any act of the perform any act of the performance of the per	t which may be necessary in collar agreements.  o obtain, maintain or confirm  Id Trademark Office to issue a  of the entire interest, and cov	to cooperate with connection with by reissue or my and all Letters enants that he has conflict herewith,		
Date	In witness whereof, execut				_			
Date	February 16		Inventor Signature		u Chou	(\$EAL)		
Date	February 16,		Inventor Signature Inventor Signature	- Cipi Ko	nwe Shimazawa	(SEAL)		
Date	February 16,		Inventor Signature _	15.52/cm	e Tanaka	(SEAL)		
Date	February 16,	_	Inventor Signature	Dowsako	<del></del>	(SEAL) (SEAL)		
Date			Inventor Signature	•		· ′		
Date			Inventor Signature					
Date			Inventor Signature			·		
If neith	This assignment should prefer, then it should be signed be	erably be sign fore at least tv	ed before: (a) a Notary Publi o witnesses who also sign h	c if within the H	.S.A. (b) a U.S. Consul if outs			
Date	February 16,		Witness		ukuma			
Date	February 16,	2010	Witness	Zumi.	ikuma Kayanagé			
				7	——————————————————————————————————————			

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