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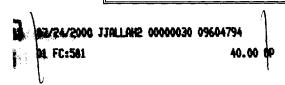
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Washington, D.C. 20231 Attorney Docket No. To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof. Name of conveying party(ies): Name and address of receiving party(ies): Koichi TERUNUMA TDK CORPORATION Tetsuya MINO 13-1, NIHONBASHI 1-CHOME, CHUO-KU, Katsuya KANAKUBO TOKYO, JAPAN Noriyuki ITO Additional name(s) of conveying party(ies) attached? ☐ Yes 🖾 No Nature of conveyance: Additional name(s) & address(es) attached? Α. ☐Yes No Assignment \square Security Agreement Change of Name Other_ Execution Date: June 8, 2000 If this document is being filed together with a new application, the execution date of the application is: June 8, 2000 Patent Application No.(s) C. Patent No.(s) Additional numbers attached? ☐ Yes ☒ No Name and address of party to whom correspondence Total number of applications and patents involved: 1 concerning document should be mailed: Name: James A. Oliff Enclosed (Check No. 109801 Address: OLIFF & BERRIDGE, PLC Credit any overpayment or charge any underpayment to P.O. Box 19928 deposit account number 15-0461. Alexandria, VA 22320 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: June 28, 2000 James A. Oliff Registration No. 27,075 Thomas J. Pardini Registration No. 30,411 Total number of pages including cover sheet, attachments, and document: 2



ASSIGNMENT

		(1)	Koichi TERUNUMA	(5)		
(1-8)	Insert	(2)	Tetsuya MINO			
(1-0)	Name(s) of Inventor(s)	(3)	Katsuya KANAKUB(`		
	or inventor(s)		Noriyuki ITO	······································	· · · · · · · · · · · · · · · · · · ·	
		(4) to eac over t	In consideration of the sum of oh of the undersigned, each under		and other good and valuable con assign, and hereby does assign, to	sideration paid
(9)	Insert Name of	(0)	TDK CORPORATION			
(10)	Assignee Insert Address of Assignee	(9)				
		(10)	13-1, Nihonbashi	L 1-Chome,	Chuo-Ku, Tokyo, Ja	pan
		(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, 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)	A THIN FILM MAGNE	TIC HEAD,	A MAGNETIC HEAD DE	/ICE, A
	Identification such as Title, Case Number, or Foreign Application Number		MAGNETIC DISK DRI	VING DEVIC	E AND A METHOD FOR	MANUFACTURIN
		A THIN FILM MAGNETIC HEAD				
		(Attorney Docket No. 106616) for which the undersigned has (have) executed an application for patent in the United States of America				
			ich the undersigned has (have) e in date herewith or	executed an applic	ation for patent in the United Sta	ites of America
(12)	Insert Date of Signing of	(12)	on June 8,	2000		
	Application					
(13)	Alternative	(13)	U.S. application Serial Number		·	
	Identification for filed applications	filed	June 28, 20	00		
claims of reexaminations resulting entire in assignment	3) Each undersigned agrees or provisions of the Internatio 4) Each undersigned agrees nation a grant of a valid Unit 5) Each undersigned author from said application(s) to terest herein assigned, and the ent is binding on him and his 6) Each undersigned hereby	to execute to perform	vention for Protection of Industri rm all affirmative acts which ma s patent to the Assignee. requests the Commissioner of Pa Assignee, as Assignee of the enti s not executed, and will not executed, and legal repre- ticessors, assigns and legal repre- the firm of OLIFF & BERRIDGE.	I perform any act vial Property or similarly be necessary to atents to issue any re interest, and coute, any agreement esentatives.	which may be necessary in conne	eissue or nited States convey the es that this
recordat	ion of this document.					nce for
_			undersigned on the date(s) op	posite the unders	\sim	
Date _	June 8, 2000)	Inventor Signature	Kvich	i lemma	_ (SEAL)
Date _			Inventor Signature	Koichi T		_ (SEAL)
Date _	June 8, 2000) ————	Inventor Signature	Tetsuva	Mini	(SEAL)
Date _			Inventor Signature	Teesaya I	TINO TO THE TOTAL THE TOTAL TO THE TOTAL TOT	_ (SEAL)
Date _	June 8, 2000)	Inventor Signature	Latrazz	Shore kulio	(SEAL)
Date _			Inventor Signature	Katsuýa l	KANAKUBO	_ (SEAL)
Date _	June 8, 2000)	Inventor Signature	noringe	chí to	_ (SEAL)
Date _			Inventor Signature	Noriyuki	ITO	(SEAL)
f neithe	This assignment should prefer, then it should be signed be	erably be	signed before: (a) a Notary Pub east two witnesses who also sign	lic if within the U	S.A. (b) a U.S. Consul if outside	'
Date	June 8, 200		_		nichi Aco	
Date -	June 8, 200		Witness	7 /	siko Konda	
- AIT _			witness		and landa	

RECORDED: 06/28/2000

PATENT REEL: 010956 FRAME: 0698