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Alexandria, VA 22313-1450			Attorney Docket No.	117370			
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Rachid SBIAA		TDK CORPORATION 1-13-1, NIHONBASHI, CHUO-KU TOKYO 103-8272 JAPAN					
B. Additional name(s) of conv	Yes No	JAIA	•				
3. A. Nature of conveyance:		B. Addition	al name(s) & address(es) att ∐Yes ⊠ l				
	☐ Merger						
Security Agreement	☐ Change of Name						
Other							
B. Execution Date: October	15, 2004						
4. A. Patent Application No. 10	/949,352	B. Patent No	o.(s)				
Additional numbers attached? Yes No							
C. Title of Application: MAGNETO-RESISTIVE ELEMENT AND DEVICE BEING PROVIDED WITH MAGNETO-RESISTIVE ELEMENT HAVING MAGNETIC NANO-CONTACT							
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved: 1					
Name: <u>James A. Oliff</u>			arge Deposit Account N 37 CFR 3.41) in the amou				
Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320 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 impossible and belief, the foregoing information is true and correct and any attached copy is a true copy of the original focus o							
James A. difff, Registration No Philip A. Caramanica, Registrat		Da	te: January 21, 2005				

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			ASSIGNMI	ENT			
		(1)	Rachid, SBIAA	(5)			
(1-8) Insert Name(s) of Inventor(s)	(2)		(6)				
	(3)		(7)				
	(4)		(8)				
		to eac	ch of the undersigned, each under	one dollar (\$1.00) and other rsigned agrees to assign, and	good and valuable consideration pail I hereby does assign, transfer and se		
(9)	Insert Name of Assignee	(9)	TDK Corporation				
(10) Insert Address of Assignee		(10)	1-13-1, Nihonbash	i, Chuo ku, Tokyo	o, 103-8272, Japan		
(11)	Insert	the en inven	(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) Magneto-resistive element and device being provided with				
(1.,)	Identification	. ,	magneto-resistive element having magnetic nano-contact				
	such as Title, Case Number, or Foreign				TO MALITY OCH THE CONTROL OF THE CON		
Application Number		orney Docket No.					
			for which the undersigned has (have) executed an application for patent in the United States of American even date herewith or				
(12)	Insert Date of Signing of Application	(12)	on				
(13) Alternative	(13)						
	Identification for filed applications	filed	September 28, 2	2004			
applica any app the Ass claims reexam Patents full rigl and agr identifi	applications for the invention tions and patents as the Assig 2) Each undersigned agree of the agree of the agree in every way possible in 3) Each undersigned agree or provisions of the Internation 4) Each undersigned agree ination a grant of a valid Unit 5) Each undersigned author of the United States resulting to convey the entire interestees that this assignment is bit 6) Each undersigned hereb	n, and an grace may see to executivision to obtain see to executive to executive to executive the see to executive the see to executive the ex	ny patent(s) issuing thereon, and y deem necessary. cute all papers necessary in conno- hereof, or any patent or reissue a ning evidence and going forward cute all papers and documents an nvention for Protection of Industr form all affirmative acts which mades es patent to the Assignee. d requests the Commissioner of to aid application(s) to the said Ass	also to execute separate assi- ection with any interference pplication based thereon, fo- with such interference. d perform any act which ma- ial Property or similar agree ay be necessary to obtain, n the U.S. Patent and Tradema- ignee, as Assignee of the en- ecuted, and will not execute, ussigns and legal representat ppl.C the power to insert on	naintain or confirm by reissue or it Office to issue any and all Letter tire interest, and covenants that he hand any agreements in conflict herewith ives. this assignment any further		
	In witness whereof, execu	ted by t	the undersigned on the date(s) o	opposite the undersigned n	ame(s).		
Date	October 15, 2	004	Inventor Signature	Rachid Mias	(Rachid, SBIAA)(SEAL)		
Date							
Date					(SEAL)		
Date							
Date							
Date							
Date							
			Inventor Signature				

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