JULY 28, 1992



U. 101986923

NOTE: The following appendix did not appear in the Code of Federal Regulations

APPENDIX B

FORM PTO-1595

0450 TMOG 77

U.S. DEPARTMENT OF COMMERCE

-31-92	RECORDATION FORM COVER SH PATENTS ONLY	EET	Patent and Trader	nark Office
To the Honorable Commissioner of Patents	and Trademarks. Please record the attached original documents	nents or c	opy thereof.	
. Name of conveying party(ies):		2. Nan	ne and address of receiving party(ies):	
Mike Ming Yu Chen				
Thomas Edward Dinan		N	ame: INTERNATIONAL BUSINESS	
Paul Phong Nguyen		_	MACHINES CORPORATION	10504
Neil Leslie Robertson	-18-02	ln	ternal Address: Armonk, New York	10304
,	_18-	St	reet Address: SAME AS ABOVE	
Additional name(s) of conveying party(ies)	attached? yes <u>X</u> no		dditional name(s) & address(es) attached?yes _X_no	55. PTO
Security Agreement Other				1046 U. 10/05
Execution Date:11/30/01	, 12/04/01, 11/27/01, 11/27/01			<i>-</i>
Application number(s) or patent num	ber(s): 10,054554			
If this document is being filed together with A. Patent Application No.(s)	a new application, the execution date of the application is: Additional numbers attached?YesX	В. Так	0/01, 12/04/01, 11/2 ent No.(s)	27/01, 11/27/0
 Name and address of party to whom concerning documents should be mai 			otal number of applications and patent avolved: 1	ts
Name: Ron Feece Address: INTERNATION 5600 Cottle Road San Jose, Californ		_	Total Fee (37 CFR 3.41): \$ 40.00 Enclosed X Authorized to be charged to deposit account	
2 AANNED1 00000068 090442 1005	54554	8. I	Deposit Account Number: _09-0442	
40.00 CH				
	DO NOT USE THIS SPACE			
9. Statement and signature.	12			
To the best of my knowledge and belief, the f	foregoing information is true and correct and extrached copy is a tr	ue copy of th	ne original document.	
RON FEECE	MI		1/1/10	
Name of Person Signing	Signature	/	Date	
	Total Number of pages inc	luding co	ver sheet, attachments and docume	nt: 4
OMB NO. 0651-0011 (EXP. 4/94)				

COMMISSIONER OF PATENTS AND TRADEMARKS BOX ASSIGNMENTS WASHINGTON, D.C. 20231

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PATENT REEL: 012577 FRAME: 0833

ASSIGNMENT

		ASSI	GINIVLENT			
	Where	eas, I				
INVENTOR AND CITY	(1)	Mike Ming Yu Chen City of San Mateo, County of Santa Mateo State of California,	(2)	Thomas Edward City of San Jose, County of Santa State of Californ	Clara	
	(3)	Paul Phong Nguyen City of San Jose, County of Santa Clara State of California,	(4)	Neil Leslie Robe City of Palo Alto County of Santa State of Californ	, Clara	
	have i	nvented certain improvements in	n			
TITLE		GH SATURATION THIN-FIL RAGE MEDIA	M WRITE H	EAD FOR HIGH-	COERCIVITY MAGN	ETIC DATA
DATE THAT	and ex	secuted a Declaration and Power	r of Attorney	for a United States p	atent application theref	or on
INVENTOR SIGNED THE	(1) _	11/301 , 2001		(2)	, 2001	
DECLARATION	(3) _	, 2001		(4)	, 2001	
	named in the rights of Pa succe and I	Now therefore, for a valual d, hereby sell, assign, and transe said application and invention of priority resulting from the fatents to issue any Letters Paterssors and assigns; and I hereby will execute all papers necessal upon to do so by IBM.	fer to IBM, it therein disclaining of said upon agree that IB	s successors and ass osed for the United United States applica on the inventions set M may apply for fo	igns, the entire right, ti States and foreign coution, and I request the forth in said applicative reign Letters Patent on	tle and interest intries, and all Commissioner on to IBM, its said invention
		Signed		Mul	Usto ?	
CITY DATE	(1) at on	11/30 ,2001			Mike Ming Yu Chen	SIGNATURE INVENTOR
CITY DATE	(2) at on	, 200 1		T	homas Edward Dinan	SIGNATURE INVENTOR
CITY DATE	(3) at on	2001			Paul Phong Nguyen	SIGNATURE INVENTOR
CITY DATE	(4) a	t , 2001			Neil Leslie Robertson	SIGNATURE INVENTOR
10 Th 1 1.0	OH		- 7			

PATENT REEL: 012577 FRAME: 0834

		ASSIG	NMENT			
	Whereas	s, I				
INVENTOR AND CITY	(1)	Mike Ming Yu Chen City of San Mateo, County of Santa Mateo State of California,	(2)	Thomas Edward Dina City of San Jose, County of Santa Clara State of California,		
	(3)	Paul Phong Nguyen City of San Jose, County of Santa Clara State of California,	(4)	Neil Leslie Robertson City of Palo Alto, County of Santa Clar- State of California.		
	have inv	vented certain improvements in				
TITLE		H SATURATION THIN-FILM GE MEDIA	I WRITE H	EAD FOR HIGH-COE	RCIVITY MAGN	ETIC DATA
DATE THAT	and exec	cuted a Declaration and Power of	of Attorney i	or a United States patent	application therefo	or on
INVENTOR SIGNED THE	(1)	, 2001		(2) Dec, 4	, 2001	
DECLARATION	(3)	, 2001		(4)	, 2001	
	the enti	Whereas, INTERNATIONAL naving a place of business at Ar re right, title and interest in the to be obtained therefor;	monk, New said applica	York 10504, (hereinafter ation and invention, and	r called IBM), des to any United Stat	ires to acquire es and foreign
	in the s rights o of Pate successe and I w	Now therefore, for a valuable hereby sell, assign, and transfe said application and invention of priority resulting from the fillints to issue any Letters Patent ors and assigns; and I hereby a will execute all papers necessary upon to do so by IBM.	r to IBM, its therein discle- ing of said U granted upo gree that IB	s successors and assigns, osed for the United State inited States application, in the inventions set forth M may apply for foreign	the entire right, ties and foreign cou and I request the in said application. Letters Patent on	tle and interest intries, and all Commissioner on to IBM, its said invention
		Signed				
CITY DATE	(1) at on	, 2001,		Mik	e Ming Yu Chen	SIGNATURE INVENTOR
CITY Frem TED DATE	(2) at on	FREMONT, CA 12/4, 2001,		Thomas	s Edward Dinan	SIGNATURE INVENTOR
CITY DATE	(3) at on	, 2001,		Pa	ul Phong Nguyen	SIGNATURE INVENTOR
CITY	(4) at		-			SIGNATURE
DATE	on	. 2001.		Neil	Leslie Robertson	INVENTOR

PATENT REEL: 012577 FRAME: 0835

ASSIGNMENT

INVENTOR AND CITY

(1) Mike Ming Yu Chen
City of San Mateo,
County of Santa Mateo
State of California,

Whereas, I

(2) Thomas Edward Dinan
City of San Jose,
County of Santa Clara
State of California,

(3) Paul Phong Nguyen
City of San Jose,
County of Santa Clara
State of California,

(4) Neil Leslie Robertson
City of Palo Alto,
County of Santa Clara
State of California.

have invented certain improvements in

TITLE

A HIGH SATURATION THIN-FILM WRITE HEAD FOR HIGH-COERCIVITY MAGNETIC DATA STORAGE MEDIA

DATE THAT INVENTOR SIGNED THE DECLARATION and executed a Declaration and Power of Attorney for a United States patent application therefor on

(1)	, 200 1	(2)	_, 2001
(3)	11/27/01 NLR , 2001	(4) 11/27	_ , 20 01

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

CITY DATE	(1) at on, 2001 ,	SIGNATURE INVENTOR
CITY DATE	(2) at on, 2001 ,	SIGNATURE INVENTOR
CITY DATE	(3) at on 11/27, 2001,	SIGNATURE INVENTOR
CITY DATE	Son Jose CA (4) at $11/27$, 2001,	SIGNATURE INVENTOR

PATENT RECORDED: 01/18/2002 REEL: 012577 FRAME: 0836