PATENT RECORDATI COVER SHEI 11-13-1998 Attoms/ Docket No. 30 T + 169.12-0295 To the Honorable Commissioner of Patents : 100875642 original document or copy thereof. 1. Name of conveying party(ies): (4) Richard G. Krum (5) Jeffrey G. Barina . Name and address of receiving party(ies): (3) Anoush M. Fard (6) Muhammad A. Hawwa Additional name(s) of conveying party(ies) attached? [] Yes [X] No Name: Seagate Technology, Inc. 3. Nature of Conveyance: (1) Security Agreement [] Other [] Change of Name [] Security Agreement [] Other [] Change of Name [] Security Agreement [] Other Execution Date: February 21, 1997 Additional name(s) & address(es) attached? [] Yes [X] No 4A. Application No.(s) Og / 7934/14 Additional name(s) & address of party to whom correspondence concerning document is being filed together with a new application, the execution date(s) of the application is: February 21, 1997 Additional numbers attached? [] Yes [X] No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: [1] Name: Robert M. Angus State: Mnn. ZIP 55415-1659 8. Method of Payment [X] Enclosed Striet Address: Minner & Lange, P.A State: Marke & Lange, P.A <t< th=""><th>A/D</th><th>581 - \$40.00</th><th>BHACOPCT/PTC 2 4 FEB 1997.</th></t<>	A/D	581 - \$40.00	BHACOPCT/PTC 2 4 FEB 1997.		
To the Honorable Commissioner of Patents : 100875642 original document or copy thereof. 1. Name of conveying party(ies): (1) Joseph M. Sampieroni (5) Jeffrey G. Barina . Name and address of receiving party(ies): (2) Khosrow Mohajerani (5) Jeffrey G. Barina . Name and address of receiving party(ies): (3) Anoush M. Fard (6) Muhammad A. Hawwa Name: Segate Technology, Inc. Additional name(s) of conveying party(ies) attached? [] Yes [X] No Street Address:			98 Attorney Docket No. 169.12-0295		
1. Name of conveying party(ies): (1) Joseph M. Samplettor (4) Richard G. Krum (2) Kaberow Mohajerani (5) Jeffrey G. Barina (5) Anoush M. Fard (4) Muhammad A. Hawwa Additional name(s) of conveying party(ies) attached? [] Yes [X] No (5) Muhammad A. Hawwa Name: Seagate Technology, Inc. (7) Internal Address: 3. Nature of Conveyance: Internal Address: 220 Dise Drive State CA ZIP 95067-03 [] Change of Name [] Other State CA ZIP 95067-03 [] Change of Name [] Other Additional name(s) & address(es) attached? [] Yes [X] No 4A. Application No.(s) PCT/US9* O 8 / 79334/14 PCT/US9* O 8 / 79334/14 Additional name(s) & address(es) attached? [] Yes [X] No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: [] Name: Sobert M. Angus State: MN ZIP 55415-1659 8. Method of Payment [] Site 1500, 625 Fourth A. Aregue South City Enclosed 8. Method of Payment [] City: MinneapolisState: MN ZIP 55415-1659 DO NOT USE THIS SPACE 8. Method of Payment [] 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. B. Obert M. Angus DO NOT	To the Honorable Commissioner of Patents :		original document or conv thereof		
Additional name(s) of conveying party(ies) attached? [] Yes [X] No Street Address: <u>920 Disc Drive</u> 3. Nature of Conveyance:	(1) Joseph M. Sampietro(4) Richard C(2) Khosrow Mohajerani(5) Jeffrey G	G. Krum . Barina	2. Name and address of receiving party(ies): Name: Seagate Technology, Inc.		
3. Nature of Conveyance: MPD3-24497 [] Change of Name [] Security Agreement [] Other [] Change of Name [] Other Execution Date: February 21, 1997 Additional name(s) & address(es) attached? [] Yes [X]] 4A. Application No(s) PCT/US9* Og/793474 B. Patent No.(s) Additional name(s) & address(es) attached? [] Yes [X]] 4M. Application No(s) PCT/US9* Og/793474 B. Patent No.(s) Additional numbers attached? [] Yes [X] No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: [1] Name: Robert M. Angus	Additional name(s) of conveying party(ies) attack	hed? [] Yes [X] No			
[] Change of Name [] Other Execution Date: February 21, 1997 Additional name(s) & address(es) attached? [] Yes [X]] 4A. Application No.(s) PCT/US9* O 9 / 793474 H this document is being filed together with a new application, the execution date(s) of the application is: February 21, 1997 Additional numbers attached? [] Yes [X] No Additional numbers attached? [] Yes [X] No Additional numbers attached? [] Yes [X] No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: [1] Name: Robert M. Angus			City Scotts Valley State CA ZIP 95067-0360		
Additional name(s) & address(es) attached? [] Yes [X] 4A. Application No.(s) PCT/US9* Og/7934/14 4B. Patent No.(s) 5. Name and address of party to whom correspondence concerning document shuld be mailed: Name: Robert M. Angus 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41):\$ 40.00 8. Method of Payment [X] The Commissio		- 1			
Og 793494 Additional numbers attached? [] Yes [X] No Additional numbers attached? [] Yes [X] No Additional numbers attached? [] Yes [X] No Street Address: Kinney & Lange, P.A., Street Address: Kinney & Lange, P.A., Suite 1500, 625 Fourth Avenue South City: Minneapolis_ State: MN_ZIP 55415-1659 DO NOT USE THIS SPACE 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.	Execution Date: February 21, 1997		Additional name(s) & address(es) attached? [] Yes [X] No		
execution date(s) of the application is: February 21, 1997	4A. Application No.(s) PCT/US9*	13474	4B. Patent No.(s)		
5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: [1] Name: Robert M. Angus			Additional numbers attached? [] Yes [X] No		
document should be mailed: involved: [1] Name: Robert M. Angus Street Address: Kinney & Lange, P.A., Suite 1500, 625 Fourth Avenue South 7. Total fee (37 CFR 3.41):\$ 40.00 City: Minneapolis_State: MN_ZIP 55415-1659 8. Method of Payment [X] Enclosed [X] The Commissioner is authorized to charge payment of any additional recording fees or cred any overpayment to deposit account No. 11-0982 duplicate copy of this page is enclosed. DO NOT USE THIS SPACE 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. Robert M. Angus	Additional numbers attached? [] Yes [X] No				
Name: Notert M. Angus Street Address: Kinney & Lange, P.A., Suite 1500, 625 Fourth Avenue South 8. Method of Payment City: Minneapolis State: MN ZIP 55415-1659 8. Method of Payment [X] The Commissioner is authorized to charge payment of any additional recording fees or cred any overpayment to deposit account No. 11-0982 duplicate copy of this page is enclosed. DO NOT USE THIS SPACE 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. Robert M. Angus					
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	To the best of my knowledge and belief, the for	egoing information is t	true and correct and any attached copy is a true copy of the		
<u>February 24, 1997</u> Signature Date Total number of pages including cover sheet, attachments and documen	Name of Person Signing	Total number	Date		

PATENT REEL: 9569 FRAME: 0570

ASSIGNMENT

I69.12-0295

Inventor(s) : Joseph M. Sampietro, Khosrow Mohajerani, Anoush M. Fard, Richard G. Krum, Jeffrey G. Barina and Muhammad A. Hawwa

Title : PIEZOELECTRIC HEAD LOADING AND UNLOADING DEVICE FOR RIGID DISC DRIVES

WHEREAS, I, Joseph M. Sampietro, of Tarzana, California, U.S.A.; Khosrow Mohajerani of Newbury Park, California, U.S.A.; Anoush M. Fard of Agoura Hills, California, U.S.A.; Richard G. Krum of Thousand Oaks, California, U.S.A.; Jeffrey G. Barina of Somis, California, U.S.A.; and Muhammad A. Hawwa of Simi Valley, California, U.S.A. have invented certain new and useful improvements as described in an international application entitled <u>PIEZOELECTRIC HEAD LOADING AND UNLOADING DEVICE FOR RIGID DISC DRIVES</u> filed or to be filed pursuant to the Patent Cooperation Treaty and designating the United States, the application being identifiable in the United States Receiving Office by Serial No. <u>PCT/US97/</u>, FILED and the United States Declaration having been executed on even date herewith; and

WHEREAS, Seagate Technology, Inc., a corporation organized and existing under the laws of the State of Delaware, and having offices at 920 Disc Drive, Scotts Valley, California 95066, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

Joseph M Sampietro

STATE OF CALIFORNIA

) ss.

COUNTY OF VENTURA

(SEAL)

Subscribed and sworn to before me, a Notary Public, this	1 day of February, 1997
VCBucit Doubs	and the second
Notary Public	NANCY L. HOUSTON COMM. # 1004038
	LOS ANGELES COUNTY
Page 1 of 3 Pages	My Comm. Expires AUG 22, 1997

REEL: 9569 FRAME: 0571

Chornen Incha Jere

Khosrow Mohajerani

STATE OF CALIFORNIA

) ss.

COUNTY OF VENTURA) Subscribed and sworn to before me, a Notary Public, this $\frac{215^{t}}{215^{t}}$ day of <u>February</u>, 19 ?? NANCY L HOUSTON COMM # 1004038 Nøtary Public Notary Public — California (SEAL) LOS ANGELES COUNTY My Comm Expires AUG 22, 199 Anoush M. Fard STATE OF CALIFORNIA) SS. COUNTY OF VENTURA) Subscribed and sworn to before me, a Notary Public, this 2^{15} day of february , 1997 NANCY L. HOUSTON COMM. # 1004038 Notary Public Notary Public -- California (SEAL) LOS ANGELES COUNTY Ay Comm. Expires AUG 22, 1997 lichard &. Krum chard G. Kru STATE OF CALIFORNIA) ss. COUNTY OF VENTURA) Subscribed and sworn to before me, a Notary Public, this day of February, 1997 NANCY L HOUSTON otary Public COMM. # 1004038 (SEAL) Guary Public -- California LOS ANGELES COUNTY My Comm Expires AUG 22, 1997 Page 2 of 3 Pages

PATENT REEL: 9569 FRAME: 0572

G. Barina

STATE OF CALIFORNIA

COUNTY OF VENTURA

Subscribed and sworn to before me, a Notary Public, this 21 day of February, 199.7

Notary

NANCY L. HOUSTON COMM. # 1004038 Notury Public – California LOS ANGELES COUNTY My Corrim. Expires AUG 22, 1997

> NANCY L HOUSTON COMM. # 1004038

Notary Public - California

LOS ANGELES COUNTY My Comm. Expires AUG 22, 1997

(SEAL)

in

Muhammad A. Hawwa

STATE OF CALIFORNIA COUNTY OF VENTURA)) ss.)

)) ss.

)

Subscribed and sworn to before me, a Notary Public, this $\frac{21}{2}$ day of <u>February</u>, 19<u>7</u>.

Public otary

(SEAL)