	03-29-1999			
9	PATENT RECORDAT COVER SHE			
5-	To the Honorable Commissioner . 10099531	lease record the attached		
3-18	 Name of conveying party(ies): Lisa Fredrickson Peter Gillen Additional name(s) of conveying party(ies) attached? [] Yes [X] No 	2. Name and address of receiving party(ies): Name: Seagate Technology, Inc.		
9		Street Address: <u>920 Disc Drive</u>		
MM	<pre>3. Nature of Conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other</pre>	City <u>Scotts Valley</u> State <u>CA</u> ZIP <u>95066</u>		
	Execution Date: 1) March 17, 1999 2) March 18, 1999	Additional name(s) & address(es) attached? [] Yes [X] No		
	4A. Application No.(s)	4B. Patent No. (s) 09/271,555		
	If this document is being filed together with a new application, the execution date(s) of the application is: 1) March 18, 1999 2) March 18, 1999	Additional numbers attached? [] Yes [X] No		
	Additional numbers attached? [] Yes [X] No	No		
	 Name and address of party to whom corres- pondence concerning document should be mailed: 	6. Total number of applications and patents involved: [1]		
	Name: <u>David D. Brush</u> Street Address: <u>Westman, Champlin & Kelly, P.A</u> <u>Suite 1600</u>	7. Total fee (37 CFR 3.41):\$ <u>40.00</u>		
	<u>International Centre</u> <u>900 Second Avenue South</u> City: <u>Minneapolis</u> State: <u>MN</u> ZIP <u>55402</u>	 8. Method of Payment [X] Enclosed [X] The Commissioner is authorized to charge payment of any additional recording fees or credit any overpayment to deposit account No. 23-1123. 		
1	3/26/1999 JSHABAZZ 00000211 09271566 1 FC:581 40.00 DP DO NOT USE THIS	SPACE		
ן	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.				
	Total number of pages submitted: [5]			

PATENT REEL: 9837 FRAME: 0883

S01.12-0510

WHEREAS, I, Lisa Fredrickson, of Seattle, Washington, and Peter Gillen, of Dublin, Ireland, have invented certain new and useful improvements as described in an application entitled <u>AN ENCODER AND A METHOD OF ENCODING FOR</u> <u>PARTIAL RESPONSE CHANNELS</u> for Letters Patent of the United States, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Serial No. _____, filed _____; 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.

edrickson ss.

STATE OF WASHINGTON COUNTY OF $__KING$

Subscribed and sworn to before me, a Notary Public, this $\frac{1744}{10}$ day of $M_{4} \vee (4)$, 1999.

H. TI to Blang Notary Public

(SEAL)

PATENT REEL: 9837 FRAME: 0884

Peter Gillen	
Witness:	Witness:

Date:_____

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9-0016123343312 P.34

ASSIGNMENT

Attorney Docket No.

WHEREAS, I, Lisa Fredrickson, of Seattle, Washington, and Peter Gillen, of Dublin, Ireland, have invented certain new and useful improvements as described in an application entitled <u>AN ENCODER AND A METHOD OF ENCODING FOR</u> <u>PARTIAL RESPONSE CHANNELS</u> for Letters Patent of the United States, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Serial No._____, filed ______; and

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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.

Lisa Fredrickson

Notary Public

STATE OF WASHINGTON

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SS.

COUNTY OF

Subscribed and sworn to before me, a Notary Public, this ____ day of ____, 1999.

(SEAL)

PATENT REEL: 9837 FRAME: 0886

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Poter Gillen	Date: 18399
Witness:	Witness:

- 2 -

PATENTAL P. 41 REEL: 9837 FRAME: 0887

RECORDED: 03/18/1999

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