

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jonathan Williams Haines</td> <td>05/21/2009</td> </tr> <tr> <td>Timothy Richard Feldman</td> <td>05/21/2009</td> </tr> </tbody> </table>		Name	Execution Date	Jonathan Williams Haines	05/21/2009	Timothy Richard Feldman	05/21/2009				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Seagate Technology LLC</td> </tr> <tr> <td>Street Address:</td> <td>920 Disc Drive</td> </tr> <tr> <td>City:</td> <td>Scotts Valley</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95066</td> </tr> </table>		Name:	Seagate Technology LLC	Street Address:	920 Disc Drive	City:	Scotts Valley	State/Country:	CALIFORNIA	Postal Code:	95066
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (612)334-3312 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: berickson@wck.com Correspondent Name: Bryan F. Erickson Address Line 1: 900 Second Avenue South Address Line 2: Suite 1400 Address Line 4: Minneapolis, MINNESOTA 55402											
ATTORNEY DOCKET NUMBER:	S01.12-1368										
NAME OF SUBMITTER:	Elizabeth Peters										
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif											

OP \$40.00 12474843

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**PATENT
 REEL: 022758 FRAME: 0889**

ASSIGNMENT

Attorney Docket No. : S01.12-1368

Seagate Docket No. : STL 15000.00

WHEREAS, we Jonathan Williams Haines of Boulder, CO, and Timothy Richard Feldman of Louisville, CO are the inventor(s) of an invention entitled CONCURRENT INTERSYMBOL INTERFERENCE ENCODING IN A SOLID STATE MEMORY that is the subject matter of: (check all that apply)

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 12/474,843 filed on May 29, 2009 and/or executed on even date herewith: and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ filed on _____; and/or executed on even date herewith:


WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

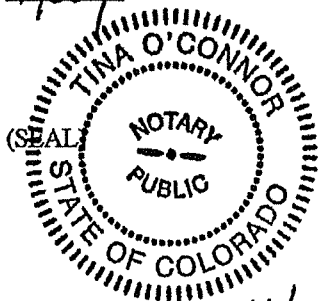
We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

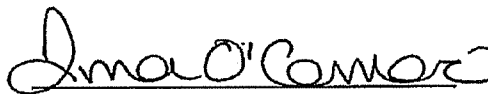
We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives 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, including without limitation providing testimony in any related interference, litigation or proceeding.

Attorney Docket No. : S01.12-1368
Seagate Docket No. : STL 15000.00

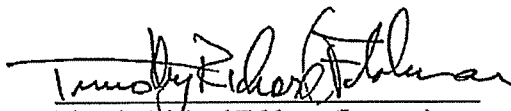

Jonathan Williams Haines (Inventor)

Subscribed and sworn to before me at Longmont, CO, a Notary Public, this 21 day of May, 2009.

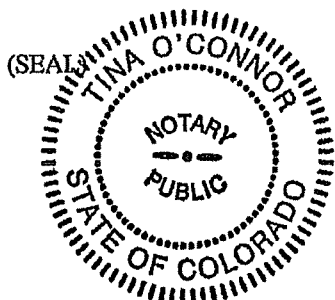


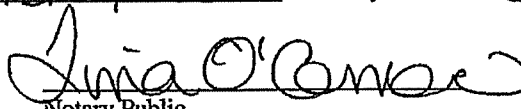

Notary Public

Expires 4/18/2012


Timothy Richard Feldman (Inventor)

Subscribed and sworn to before me at Longmont, CO, a Notary Public, this 21 day of May, 2009.




Notary Public

Expires 4/18/2012