

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Jonathan Williams Haines	05/20/2009
<b>RECEIVING PARTY DATA</b>	
Name:	Seagate Technology LLC
Street Address:	920 Disc Drive
City:	Scotts Valley
State/Country:	CALIFORNIA
Postal Code:	95066
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12470108
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ATTORNEY DOCKET NUMBER:	S01.12-1365
NAME OF SUBMITTER:	Elizabeth Peters
Total Attachments: 2 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif	

OP \$40.00 12470108

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**PATENT**  
**REEL: 022723 FRAME: 0897**

## ASSIGNMENT

Attorney Docket No. : S01.12-1365

Seagate Docket No. : STL 14998.00

WHEREAS, I Jonathan Williams Haines of Boulder, CO am the inventor(s) of an invention entitled INTERSYMBOL INTERFERENCE ENCODING IN A SOLID STATE DRIVE 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. 12/470,108 filed on May 21, 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:

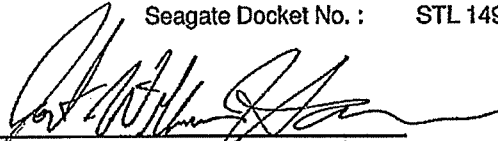
WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest 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, I transfer to Assignee, its successors and assigns, my 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 I/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.

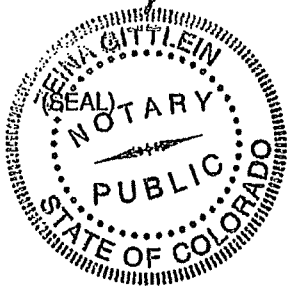
I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in 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.

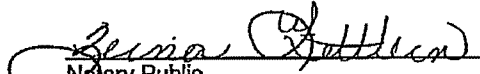
I represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute 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. : S01.12-1365  
Seagate Docket No. : STL 14998.00

  
Jonathan Williams Haines (Inventor)

Subscribed and sworn to before me at Longmont, Colorado a Notary Public, this 20<sup>th</sup> day  
of May, 2009.



  
Notary Public

Zelna Gittlein, Notary Public  
State of Colorado  
My Commission Expires 12/2/2009