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To the Director of the U.S. Patent and Trademark Office, please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
1) Jeff Nelson
2) Farhad Navid
3) Richard Martin
4) Anton Goldade
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: SEAGATE TECHNOLOGY, LLC
Internal Address: _____
Street Address: 920 Disc Drive
City: Scotts Valley
State: CA
Country: USA Zip: 95066
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) 1) 01-08-07 2) 01-08-07 3) 01-08-07 4) 01-08-07
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
Atty Docket No.: 1500-13450
Additional numbers attached? Yes No

B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:
Name: Jeffrey G. Toler
Internal Address: Toler Schaffer, LLP
Street Address: 5000 Plaza On The Lake, Suite 265
City: Austin
State: TX Zip: 78746
Phone Number: 512-327-5515
Fax Number: 512-327-5575
Email Address: _____

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 50-2469
Authorized User Name Jeffrey G. Toler

9. Signature: [Signature]
Signature
Jeffrey G. Toler, Reg. No.: 38,342
Name of Person Signing

Date: 1-12-2007
Total number of pages including cover sheet, attachments, and documents: _____

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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ASSIGNMENT

Seagate Docket No.: STL13450
Attorney Docket No.: 1500-13450

WHEREAS, I/we Jeff Nelson of 4251 30th Street, Boulder CO 80301, Farhad Navid of 3389 Barbados Place, Boulder, CO 80301, Richard Martin of 4046 Milano Lane, Longmont, CO 80503 and Anton Goldade of 2727 Nelson Road, Apt. Q301, Longmont, CO 80503 are the inventor(s) of an invention entitled SPECTRAL ANALYSIS OF A POSITION ERROR SIGNAL 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. _____ filed on _____ 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:

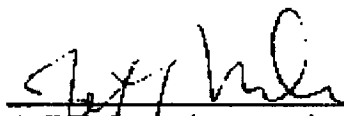
WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest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

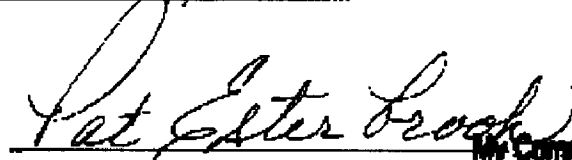
I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection,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

I/We 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/We, my/our

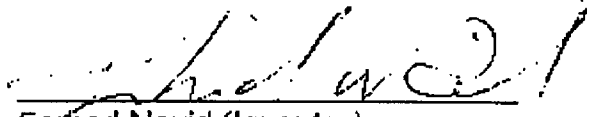
executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors 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.


Jeff Nelson (Inventor)

Subscribed and sworn to before me at LONGMONT, CO, a Notary Public, this 8th day of JANUARY, 2007.


Notary Public **My Commission Expires 09/11/2008**

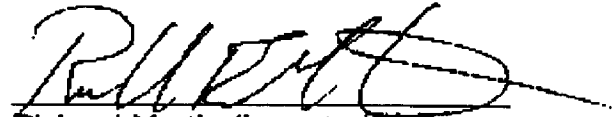
(SEAL)


Farhad Navid (Inventor)

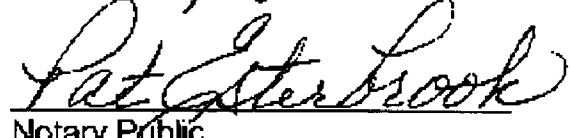
Subscribed and sworn to before me at LONGMONT, CO, a Notary Public, this 8th day of JANUARY, 2007.


Notary Public **My Commission Expires 09/11/2008**

(SEAL)


Richard Martin (Inventor)


Subscribed and sworn to before me at LONGMONT, CO, a Notary Public, this 8th day of JANUARY, 2007.


Notary Public **My Commission Expires 09/11/2008**

(SEAL)


Anton Goldade (Inventor)

Subscribed and sworn to before me at Lowmore, CO a Notary
Public, this 8th day of JANUARY, 2007.


Notary Public

**My Commission Expires
09/11/2008**

(SEAL)