

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Henry F. Huang</td><td>01/12/2009</td></tr><tr><td>Andrew J. Carter</td><td>01/12/2009</td></tr><tr><td>Maroun Khoury</td><td>01/12/2009</td></tr><tr><td>Yong Lu</td><td>01/12/2009</td></tr><tr><td>Yiran Chyen</td><td>01/13/2009</td></tr></tbody></table>	Name	Execution Date	Henry F. Huang	01/12/2009	Andrew J. Carter	01/12/2009	Maroun Khoury	01/12/2009	Yong Lu	01/12/2009	Yiran Chyen	01/13/2009	
Name	Execution Date												
Henry F. Huang	01/12/2009												
Andrew J. Carter	01/12/2009												
Maroun Khoury	01/12/2009												
Yong Lu	01/12/2009												
Yiran Chyen	01/13/2009												
RECEIVING PARTY DATA													
Name:	Seagate Technology LLC												
Street Address:	920 Disc Drive												
City:	Scotts Valley												
State/Country:	CALIFORNIA												
Postal Code:	95066												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12352722</td></tr></tbody></table>	Property Type	Number	Application Number:	12352722									
Property Type	Number												
Application Number:	12352722												
CORRESPONDENCE DATA													
Fax Number: (405)232-9659 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 405 232 0621													
Email: rmccarthy@fellerssnider.com													
Correspondent Name: FELLERS, SNIDER, et al.													
Address Line 1: 100 North Broadway, Suite 1700													
Address Line 4: Oklahoma City, OKLAHOMA 73102-8820													
ATTORNEY DOCKET NUMBER:	STL14532												
NAME OF SUBMITTER:	Tyler J. Mantooth												

OP \$40.00 12352722

500752524

PATENT
REEL: 022097 FRAME: 0660

Total Attachments: 2

source=2009-01-13-Assignment-STL14532#page1.tif

source=2009-01-13-Assignment-STL14532#page2.tif

ASSIGNMENT

Seagate Docket No. STL14532

WHEREAS, I/we, Henry F. Huang of 6351 156th Street West, Apple Valley, MN 55124, Andrew J. Carter of 5016 Beard Avenue, S., Minneapolis, MN 55410, Maroun Khoury of 1701 143rd Street West, #209, Burnsville, MN 55306, Yong Lu of 7115 Tralee Drive, Edina, MN 55439 and Yiran Chen of 10124 Phaeton Drive, Eden Prairie, MN 55347 am/are the inventor(s) of an invention entitled TABLE-BASED REFERENCE VOLTAGE CHARACTERIZATION SCHEME 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 ;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. filed 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. and filed on ; and

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 entire right, title and interest in and to the invention, the above-identified applications, all provisional applications for 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.

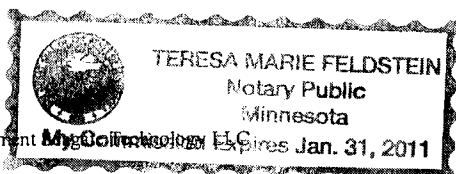

Henry F. Huang (Inventor)

Subscribed and sworn to before me at Bloomington, MN, a Notary Public, this 10th day of

January, 2009.


Teresa Marie Feldstein
Notary Public

(Seal)



U.S. Assignment My Commission Expires Jan. 31, 2011

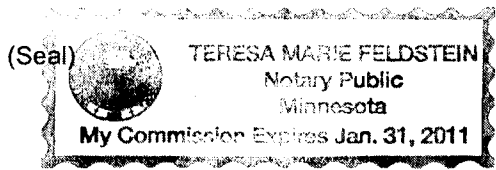
1

Rev. January 10, 2001

PATENT
REEL: 022097 FRAME: 0662

[Signature]
Andrew J. Carter (Inventor)

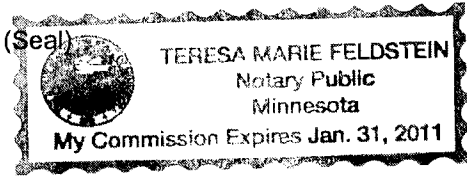
Subscribed and sworn to before me at Bloomington MN, a Notary Public, this 12th day of January, 2009.
(city or county and state)



Teresa Marie Feldstein
Notary Public

[Signature]
Maroun Khoury (Inventor)

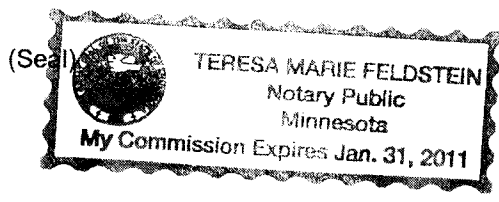
Subscribed and sworn to before me at Bloomington MN, a Notary Public, this 12th day of January, 2009.
(city or county and state)



Teresa Marie Feldstein
Notary Public

[Signature]
Yong Lu (Inventor)

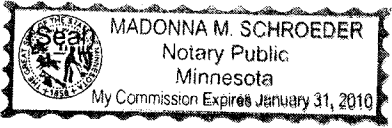
Subscribed and sworn to before me at Bloomington MN, a Notary Public, this 12th day of January, 2009.
(city or county and state)



Teresa Marie Feldstein
Notary Public

[Signature]
Yiran Chen (Inventor)

Subscribed and sworn to before me at Bloomington, MN, a Notary Public, this 13th day of January, 2009.
(city or county and state)



[Signature]
Notary Public