

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yiran Chen	02/20/2009
Hai Li	02/20/2009
Wenzhong Zhu	02/20/2009
Xiaobin Wang	02/20/2009
Henry Huang	02/20/2009
Hongyue Liu	02/20/2009

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

Property Type	Number
Application Number:	12390728

CORRESPONDENCE DATA

Fax Number: (651)259-6701

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 651.259.6705

Email: dlagro@cnwiplaw.com

Correspondent Name: Brian C. Whipps

Address Line 1: 408 St. Peter Street

Address Line 2: Suite 240

Address Line 4: St. Paul, MINNESOTA 55102

ATTORNEY DOCKET NUMBER: 1011.14728.00

OP \$40.00 12390728

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PATENT
REEL: 022321 FRAME: 0464

NAME OF SUBMITTER:

Brian C. Whipps

Total Attachments: 5

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ASSIGNMENT

WHEREAS, WE,

- (1) Yiran Chen, residing at 10124 Phaeton Drive, Eden Prairie, Minnesota 55347
- (2) Hai Li, residing at 10124 Phaeton Drive, Eden Prairie, Minnesota 55347;
- (3) Wenzhong Zhu, residing at 13073 Elderberry CT, Apple Valley, Minnesota 55124
- (4) Xiaobin Wang, residing at 180 Bluff Ridge Ct, Chanhassen, Minnesota 55317;
- (5) Henry Huang, residing at 6351 156th Street, Apple Valley, Minnesota 55124; and
- (6) Hongyue Liu, residing at 18540 65th Ave. N., Maple Grove, Minnesota 55311,

have invented certain improvements in Resistive Memory Calibration for Self-Reference Read Method for which We have executed an application for Letters Patent of United States of America,

☒ is attached hereto.
☐ was filed on _____ as United States Application No. _____; and

WHEREAS We hereby authorize and request the Assignee, Seagate Technology LLC, to insert the filing date and application number of said application when known; and

WHEREAS, Seagate Technology LLC, a company organized and existing under the laws of the State of Delaware and having a principal place of business at 920 Disc Drive, Scotts Valley, California 95066, hereinafter referred to as "Company," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;

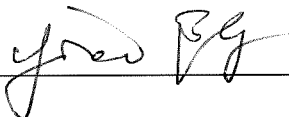
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, We have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Company, its successors and assigns, the entire right, title and interest in and to said invention and the entire right, title and interest in and to any and all Letters Patent of the United States (including, without limitation, every patent application identified above) and any foreign countries which may be granted therefor including my rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Company for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made;

AND, for the consideration aforesaid, we materially represent to Company, its successors and assigns, that at the time of the execution and delivery of these presents, We are the lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Company, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or my executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Company, its successors or assigns, but at Company's expense.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Company in accordance with this instrument.

IN WITNESS WHEREOF, We have hereunto set my hand on this 20 day of Feb, 2009.

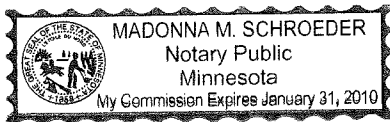
Yiran Chen 

STATE OF MINNESOTA)
COUNTY OF Hennepin) ss.

On this 20th day of Feb, 2009 before me personally appeared Yiran Chen, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

M. Schroeder
Notary Public



[SEAL]

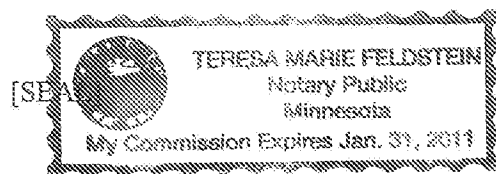
IN WITNESS WHEREOF, We have hereunto set my hand on this 19th day of February, 2009.

Hai Li

STATE OF MINNESOTA)
) ss.
COUNTY OF Hennepin)

On this 20th day of February, 2009 before me personally appeared Hai Li, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Teresa Marie Feldstein
Notary Public

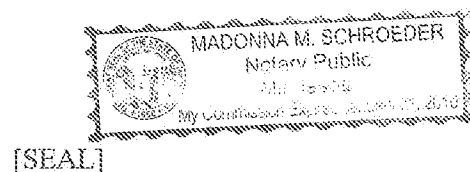
IN WITNESS WHEREOF, We have hereunto set my hand on this 20 day of 2009, 2009.

Wenzhong Zhu

STATE OF MINNESOTA)
) ss.
COUNTY OF St. Louis)

On this 20th day of February, 2009 before me personally appeared Wenzhong Zhu, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Madonna M. Schroeder
Notary Public

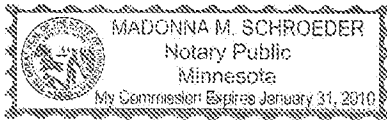
IN WITNESS WHEREOF, We have hereunto set my hand on this 20 day of Feb, 2009.

Xiaobin Wang

STATE OF MINNESOTA)
COUNTY OF Hennepin) ss.

On this 20th day of February, 2009 before me personally appeared Wenzhong Zhu, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Notary Public

[SEAL]

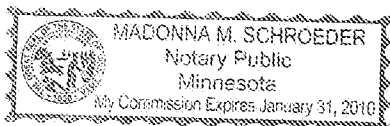
IN WITNESS WHEREOF, We have hereunto set my hand on this 23 day of Feb, 2009.

Henry Huang

STATE OF MINNESOTA)
COUNTY OF Hennepin) ss.

On this 23rd day of February, 2009 before me personally appeared Henry Huang, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Notary Public

[SEAL]

IN WITNESS WHEREOF, We have hereunto set my hand on this 20th day of Feb., 2009.

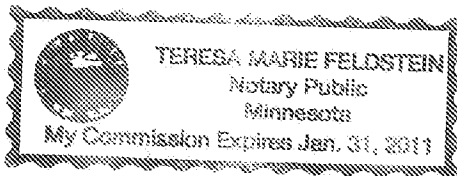
[Signature]
Hongyue Liu

STATE OF MINNESOTA)
) ss.
COUNTY OF Hennepin)

On this 20th day of February, 2009 before me personally appeared Hongyue Liu, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Teresa Marie Feldstein
Notary Public



[SEAL]

☒ This is the final page of this Assignment.