

07-21-2009



SHEET

To the Director of the U.S. Patent

103567979

ached documents or the new address(es) below.

1. Name of conveying party(ies)

YUANKAI ZHENG
DIMITAR V. DIMITROV
DEXIN WANG
HAIWEN XI
XIAOBIN WANG
WEI TIAN
XIAOHUA LOU

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) July 6, 7, and 10, 2009

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☒ Other Corrected Assignment - DOC ID 500909818A

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: United States of America Zip: 95066

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)
12/502,213 filed July 13, 2009

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

JUL 20

5. Name and address to whom correspondence concerning document should be mailed:

Name: Anna M. Nelson

Internal Address: Campbell Nelson Whipps LLC

Street Address: 408 St. Peter Street, Suite 240

City: St. Paul

State: MN

Zip: 55102

Phone Number: 651-259-6705

Fax Number: 651-259-6701

Email Address: anelson@cnwiplaw.com

6. Total number of applications and patents involved: _____

7. Total fee (37 CFR 1.21(h) & 3.41) \$ NA

- ☐ 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 _____

Authorized User Name _____

9. Signature:

Signature

07/16/2009

Date

Denise M. Lagro

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

10

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

ASSIGNMENT

WHEREAS, WE,

- (1) Yuankai Zheng, residing at 5220 W. 102nd Street, Apt. 207, Bloomington, Minnesota 55437;
- (2) Dimitar V. Dimitrov, residing at 5709 68th Street W., Edina, Minnesota 55435;
- (3) Dexin Wang, residing at 18780 Pathfinder Drive, Eden Prairie, Minnesota 55347;
- (4) Haiwen Xi, residing at 3019 Bobcat Trail NW, Prior Lake, Minnesota 55372;
- (5) Xiaobin Wang, residing at 180 Bluff Ridge Ct, Chanhassen, Minnesota 55317;
- (6) Wei Tian, residing at 4101 West 98 Street, Bloomington, Minnesota 55437; and
- (7) Xiaohua Lou, residing at 10650 Brunswick Rd, Apt. 312, Bloomington, Minnesota 55438

have invented certain improvements in **NON VOLATILE MEMORY INCLUDING STABILIZING STRUCTURES** for which We have executed an application for Letters Patent of United States of America,



is attached hereto.

was filed on July 13 2009 as United States Application No. 12/502213, 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

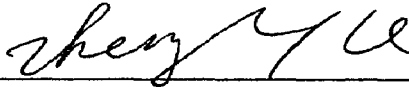
above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

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 10 day of

July, 2009.

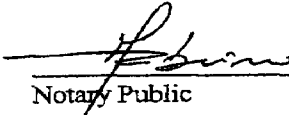


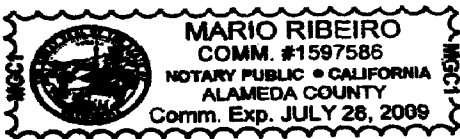
Yuankai Zheng

CALIFORNIA
STATE OF MINNESOTA)
) ss.
COUNTY OF ALAMEDA)

On this 10 day of JULY, 2009 before me personally appeared Yuankai Zheng, 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 6 day of July, 2009.

Dimitar V. Dimitrov
Dimitar V. Dimitrov

STATE OF MINNESOTA)
COUNTY OF Hennepin) ss.

On this 6th day of July, 2009 before me personally appeared Dimitar V. Dimitrov, 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.

[Signature]
Notary Public




IN WITNESS WHEREOF, We have hereunto set my hand on this 6 day of July, 2009.

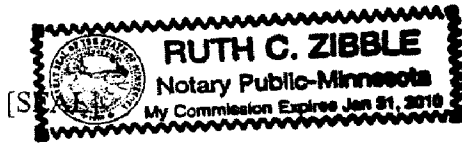
[Signature]
Dexin Wang

STATE OF MINNESOTA)
COUNTY OF Hennepin) ss.


On this 6th day of July, 2009 before me personally appeared Dexin Wang, 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



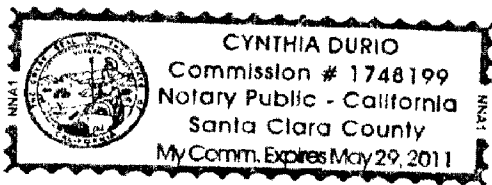
IN WITNESS WHEREOF, We have hereunto set my hand on this 7th day of
July, 2009.



Haiwen Xi

California
STATE OF ~~MINNESOTA~~)
) ss.
COUNTY OF Santa Clara)

On this 7th day of July, 2009 before me personally appeared Haiwen
Xi, 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.

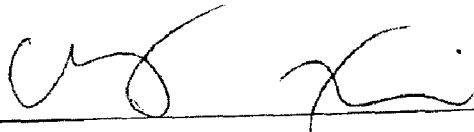
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office,
the day and year above written.




Notary Public

[SEAL]

IN WITNESS WHEREOF, We have hereunto set my hand on this 6 day of
July, 2009.

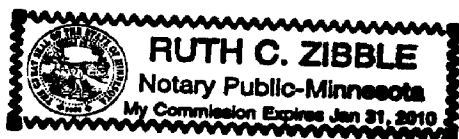

Haiwen Xi

Xiaobin Wang

STATE OF MINNESOTA)
COUNTY OF Hennepin) ss.

On this 6th day of July, 2009 before me personally appeared Xiaobin Wang, 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.



Ruth C. Zibble
Notary Public

[SEAL]

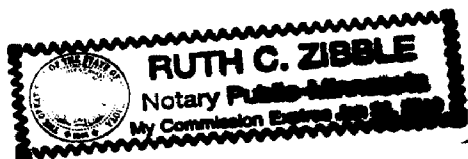
IN WITNESS WHEREOF, We have hereunto set my hand on this 6th day of July, 2009.

Wei Tian
Wei Tian

STATE OF MINNESOTA)
COUNTY OF Hennepin) ss.

On this 6th day of July, 2009 before me personally appeared Wei Tian, 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.



Ruth C. Zibble
Notary Public

[SEAL]

IN WITNESS WHEREOF, We have hereunto set my hand on this 6th day of July, 2009.

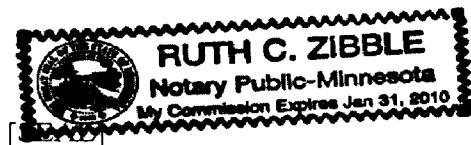
Xiaohua Lou

STATE OF MINNESOTA)
COUNTY OF Hennepin) ss.

On this 6th day of July, 2009 before me personally appeared Xiaohua Lou, 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.

Ruth C. Zibble
Notary Public



☒ This is the final page of this Assignment.