

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| <b>SUBMISSION TYPE:</b>  | NEW ASSIGNMENT         |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
|--|------------------------|---------------|------------------------|--------------------------------|----------------|-------------------------|---------------|-----------------------|------------|---------------------|------------|--------------|------------|-------------|------------|
| <b>NATURE OF CONVEYANCE:</b>   | ASSIGNMENT             |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <b>CONVEYING PARTY DATA</b>  |                        |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Vladyslav Alexandrovich Vas'ko</td> <td>07/06/2009</td> </tr> <tr> <td>Venkateswara Rao Inturi</td> <td>06/17/2009</td> </tr> <tr> <td>Michael C. Kautzky</td> <td>06/19/2009</td> </tr> <tr> <td>Zhihong Lu</td> <td>07/07/2009</td> </tr> <tr> <td>Mark T. Kief</td> <td>06/17/2009</td> </tr> <tr> <td>Yifan Zhang</td> <td>06/17/2009</td> </tr> </tbody> </table> |                        | Name          | Execution Date         | Vladyslav Alexandrovich Vas'ko | 07/06/2009     | Venkateswara Rao Inturi | 06/17/2009    | Michael C. Kautzky    | 06/19/2009 | Zhihong Lu          | 07/07/2009 | Mark T. Kief | 06/17/2009 | Yifan Zhang | 06/17/2009 |
| Name   | Execution Date         |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| Vladyslav Alexandrovich Vas'ko   | 07/06/2009             |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| Venkateswara Rao Inturi  | 06/17/2009             |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| Michael C. Kautzky   | 06/19/2009             |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| Zhihong Lu   | 07/07/2009             |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| Mark T. Kief   | 06/17/2009             |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| Yifan Zhang  | 06/17/2009             |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <b>RECEIVING PARTY DATA</b>  |                        |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>SEAGATE TECHNOLOGY LLC</td> </tr> <tr> <td><b>Street Address:</b></td> <td>920 Disc Drive</td> </tr> <tr> <td><b>City:</b></td> <td>Scotts Valley</td> </tr> <tr> <td><b>State/Country:</b></td> <td>CALIFORNIA</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>95066</td> </tr> </table>   |                        | <b>Name:</b>  | SEAGATE TECHNOLOGY LLC | <b>Street Address:</b>         | 920 Disc Drive | <b>City:</b>            | Scotts Valley | <b>State/Country:</b> | CALIFORNIA | <b>Postal Code:</b> | 95066      |              |            |             |            |
| <b>Name:</b>   | SEAGATE TECHNOLOGY LLC |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <b>Street Address:</b>   | 920 Disc Drive         |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <b>City:</b>   | Scotts Valley          |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <b>State/Country:</b>  | CALIFORNIA             |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <b>Postal Code:</b>  | 95066                  |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <b>PROPERTY NUMBERS Total: 1</b>   |                        |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12499157</td> </tr> </tbody> </table>  |                        | Property Type | Number                 | Application Number:            | 12499157       |                         |               |                       |            |                     |            |              |            |             |            |
| Property Type  | Number                 |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| Application Number:  | 12499157               |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <b>CORRESPONDENCE DATA</b>   |                        |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <p><b>Fax Number:</b> (651)259-6701</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p><b>Phone:</b> 6512596705</p> <p><b>Email:</b> dlagro@cnwiplaw.com</p> <p><b>Correspondent Name:</b> Brian C. Whipps</p> <p><b>Address Line 1:</b> 408 St. Peter Street</p> <p><b>Address Line 2:</b> Suite 240</p> <p><b>Address Line 4:</b> St. Paul, MINNESOTA 55102</p>  |                        |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |
| <b>ATTORNEY DOCKET NUMBER:</b>   | 1011.14902.00          |               |                        |                                |                |                         |               |                       |            |                     |            |              |            |             |            |

OP \$40.00 12499157

**500904999**

**PATENT**  
**REEL: 022926 FRAME: 0473**

NAME OF SUBMITTER:

Brian C. Whipps

**Total Attachments: 6**

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### ASSIGNMENT

WHEREAS, WE,

- (1) Vladyslav Alexandrovich Vas'ko, residing at 15244 Florist Circle, Apple Valley, Minnesota 55124;
- (2) Venkateswara Rao Inturi, residing at 6541 Carlisle Curve, Shakopee, Minnesota 55379;
- (3) Michael C. Kautzky, residing at 4143 Cashell Glen, Eagan, Minnesota 55122;
- (4) Zhihong Lu, residing at 1213 12<sup>th</sup> Street, Apt. 4, Tuscaloosa, Alabama 35401;
- (5) Mark T. Kief, residing at 21812 Wagonwheel Trail, Lakeville, Minnesota 55044; and
- (6) Yifan Zhang, residing at 8171 Antrim Cove, Eden Prairie, Minnesota 55347;

have invented certain improvements in **MAGNETIC SENSOR WITH COMPOSITE MAGNETIC SHIELD** 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 06 day of July, 2009.

Vladyslav A. Vas'ko  
Vladyslav Alexandrovich Vas'ko

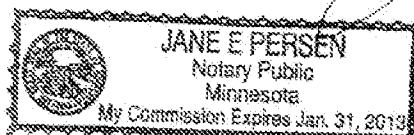
STATE OF MINNESOTA )  
COUNTY OF Dakota ) ss.

On this 6th day of July, 2009 before me personally appeared Vladyslav Alexandrovich Vas'ko, 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 17 day of  
JUNE, 2009.

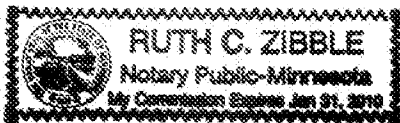
S. Venkateswara Rao  
Venkateswara Rao Inturi

STATE OF MINNESOTA     )  
  ) ss.  
COUNTY OF Hennepin     )

On this 17th day of June, 2009 before me personally appeared  
Venkateswara Rao Inturi, 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]

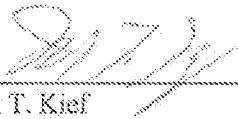
IN WITNESS WHEREOF, We have hereunto set my hand on this 19th day of  
June, 2009.

Michael C. Kautzky  
Michael C. Kautzky

STATE OF MINNESOTA     )  
  ) ss.  
COUNTY OF Hennepin     )



IN WITNESS WHEREOF, We have hereunto set my hand on this 17 day of June, 2009.

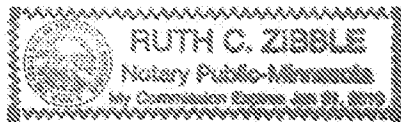
  
Mark T. Kief

STATE OF MINNESOTA )  
 ) ss.  
COUNTY OF Hennepin )

On this 17th day of June, 2009 before me personally appeared Mark T. Kief, 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.

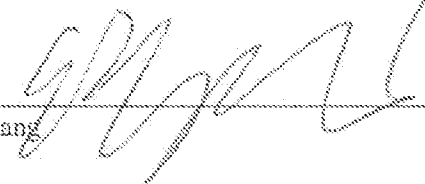
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

  
Notary Public



[SEAL]


IN WITNESS WHEREOF, We have hereunto set my hand on this 17 day of June, 2009.

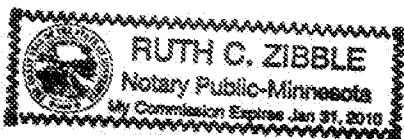
  
Yifan Zhang

STATE OF MINNESOTA )  
 ) ss.  
COUNTY OF Hennepin )

On this 17th day of June, 2009 before me personally appeared Yifan Zhang, 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]

☒ This is the final page of this Assignment.