

**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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zhong Stella Wu</td> <td>07/03/2008</td> </tr> <tr> <td>Samuel Dacke Harkness IV</td> <td>07/03/2008</td> </tr> <tr> <td>Mariana R. Munteanu</td> <td>06/27/2008</td> </tr> <tr> <td>Qixu Chen</td> <td>06/17/2008</td> </tr> <tr> <td>Conn Chunling Liu</td> <td>07/07/2008</td> </tr> </tbody> </table>		Name	Execution Date	Zhong Stella Wu	07/03/2008	Samuel Dacke Harkness IV	07/03/2008	Mariana R. Munteanu	06/27/2008	Qixu Chen	06/17/2008	Conn Chunling Liu	07/07/2008
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Conn Chunling Liu	07/07/2008												
<b>RECEIVING PARTY DATA</b>													
<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>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12180093</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12180093								
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<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(212)527-7701												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	2125277700												
<b>Email:</b>	lparker@Darbylaw.com												
<b>Correspondent Name:</b>	Raj S. Dave												
<b>Address Line 1:</b>	P.O. Box 770 Church Street Station												
<b>Address Line 4:</b>	New York, NEW YORK 10008-0770												
<b>ATTORNEY DOCKET NUMBER:</b>	21064/0206638-US0												
<b>NAME OF SUBMITTER:</b>	LaTanya Parker												

OP \$40.00 12180093

Total Attachments: 2

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**ASSIGNMENT**

I, Zhong Stella Wu, a citizen of the United States of America, residing at 45130 Pawnee Drive; Fremont, California 94539; and

I, Samuel Dacke Harkness, IV, a citizen of the United States of America, residing at 839 Miramar Ave.; Berkeley, California 94707; and

I, Mariana R. Munteanu, a citizen of the United States of America, residing at 653 Los Olivos Dr.; Santa Clara, California 95050; and

I, Qixu Chen, a citizen of the United States of America, residing at 1630 Tahoe Dr.; Milpitas, California 95035; and

I, Connie Chunling Liu, a citizen of the United States of America, residing at 1088 Queen Anne Dr.; San Jose, California 95129;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

Seagate Technology LLC

a Limited Liability Corporation organized under the laws of Delaware, located at 920 Disc Drive, Scotts Valley, California 95066 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to my Invention entitled:

METHOD AND MANUFACTURE PROCESS FOR EXCHANGE DECOUPLED FIRST MAGNETIC LAYER

invented by me and described in the specification bearing the above Attorney Docket No. and title executed by me concurrently herewith; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

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And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.


Dated: 7/03/08

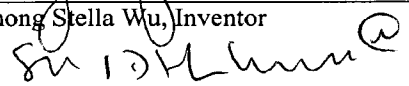
Dated: 7/3/2008

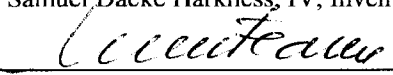
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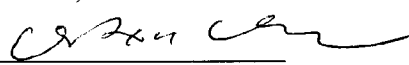
Dated: 6/17/08


Dated: 7/7/08

  
\_\_\_\_\_  
Zhong Stella Wu, Inventor

  
\_\_\_\_\_  
Samuel Dacke Harkness, IV, Inventor

  
\_\_\_\_\_  
Mariana R. Munteanu, Inventor

  
\_\_\_\_\_  
Qixu Chen, Inventor

  
\_\_\_\_\_  
Connie Chunling Liu, Inventor