

**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>Dongming Liu</td> <td>02/06/2007</td> </tr> <tr> <td>Lin Zhou</td> <td>02/06/2007</td> </tr> <tr> <td>Lance E. Stover</td> <td>04/25/2007</td> </tr> </tbody> </table>		Name	Execution Date	Dongming Liu	02/06/2007	Lin Zhou	02/06/2007	Lance E. Stover	04/25/2007
Name	Execution Date								
Dongming Liu	02/06/2007								
Lin Zhou	02/06/2007								
Lance E. Stover	04/25/2007								
<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>11799204</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11799204				
Property Type	Number								
Application Number:	11799204								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(612)334-3312								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	612-334-3222								
<b>Email:</b>	tjosephs@wck.com								
<b>Correspondent Name:</b>	Westman, Champlin & Kelly								
<b>Address Line 1:</b>	900 2nd Avenue South, Suite 1400								
<b>Address Line 4:</b>	Minneapolis, MINNESOTA 55402								
<b>ATTORNEY DOCKET NUMBER:</b>	S01.12-1140								
<b>NAME OF SUBMITTER:</b>	Tanya K. Josephs								
<b>Total Attachments: 2</b> source=Assignment_7_11_07#page1.tif source=Assignment_7_11_07#page2.tif									

OP \$40.00 11799204

**PATENT**

**500311987**

**REEL: 019540 FRAME: 0770**

ASSIGNMENT

Attorney Docket No. : S01.12-1140
Seagate Docket No. : STL 13114

WHEREAS, We Dongming Liu of 17946 Strawberry Ct., Eden Prairie, MN 55347 and USA, Lin Zhou of 4623 Weston Hill Drive, Eagan, MN 55123 and USA, and Lane E. Stover of 16291 Hilltop Rd., Eden Prairie, MN 55347 and USA are the inventor(s) of an invention entitled METHOD AND APPARATUS FOR DETECTING PROXIMITY CONTACT BETWEEN A TRANSDUCER AND A MEDIUM that is the subject matter of: (check all that apply)

- Provisional application for Letters Patent...
an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. S01.12-1140/STL 13114, and/or executed on even date 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. filed on ; and

WHEREAS, Seagate Technology LLC, a Delaware limited liability company corporation, 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/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from 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.

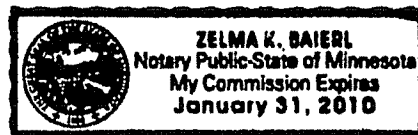
IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of Feb, 2007.

Dongming Liu (Signature)

STATE OF Minnesota )
)ss:
COUNTY OF Hennepin )

On this 6th day of February, 2007, before me personally appeared Dongming Liu to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

Zelma Bauer (Signature)
Notary Public



[SEAL]

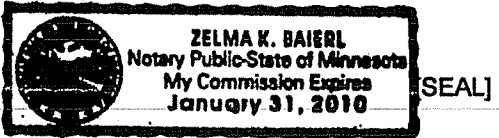
IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of Feb., 2007

[Signature]  
Lin Zhou

STATE OF Minnesota )  
 )ss:  
COUNTY OF Hennepin )

On this 6<sup>th</sup> day of February, 2007, before me personally appeared Lin Zhou to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

Zelma K. Baiert  
Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this 25 day of April, 2007.

[Signature]  
Lance E. Stover

STATE OF Minnesota )  
 )ss:  
COUNTY OF Hennepin )

On this 25 day of April, 2007, before me personally appeared Lance Stover to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

Zelma K. Baiert  
Notary Public

