

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>FENG LIU</td> <td>01/04/2012</td> </tr> <tr> <td>LAURENCE L. CHEN</td> <td>01/03/2012</td> </tr> <tr> <td>YIMIN GUO</td> <td>01/09/2012</td> </tr> <tr> <td>AMRITPAL S. RANA</td> <td>01/04/2012</td> </tr> <tr> <td>SHAOPING LI</td> <td>01/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	FENG LIU	01/04/2012	LAURENCE L. CHEN	01/03/2012	YIMIN GUO	01/09/2012	AMRITPAL S. RANA	01/04/2012	SHAOPING LI	01/04/2012
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<table border="1"> <tr> <td>Name:</td> <td>WESTERN DIGITAL (FREMONT), LLC</td> </tr> <tr> <td>Street Address:</td> <td>44100 OSGOOD ROAD</td> </tr> <tr> <td>City:</td> <td>FREMONT</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94539</td> </tr> </table>		Name:	WESTERN DIGITAL (FREMONT), LLC	Street Address:	44100 OSGOOD ROAD	City:	FREMONT	State/Country:	CALIFORNIA	Postal Code:	94539		
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13332275</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13332275								
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CORRESPONDENCE DATA													
<p>Fax Number: (949)672-6604</p> <p>Phone: (949) 672-7871</p> <p>Email: lesley.ning@wdc.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: WESTERN DIGITAL</p> <p>Address Line 1: ATTN: IP LAW DEPARTMENT</p> <p>Address Line 2: 3355 MICHELSON DRIVE, SUITE 100</p> <p>Address Line 4: IRVINE, CALIFORNIA 92612</p>													
ATTORNEY DOCKET NUMBER:	F5627												
NAME OF SUBMITTER:	Lesley Ning												

CH \$40.00 13332275

Total Attachments: 6

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ASSIGNMENT

Whereas, we, **FENG LIU**, a citizen of the United States of America, residing at San Ramon, California; **LAURENCE L. CHEN** a citizen of the United States of America, residing at Hayward, California; **YIMIN GUO**, a citizen of the United States of America, residing at San Jose, California; **AMRITPAL S. RANA**, a citizen of the United States of America, residing at Union City, California; and **SHAOPING LI**, a citizen of the United States of America, residing at San Ramon, California, have invented certain new and useful improvements in **METHOD AND SYSTEM FOR PROVIDING A READ TRANSDUCER HAVING AN ADAPTIVE READ SENSOR TRACK WIDTH** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **December 20, 2011**, Application No. **13/332,275** (hereafter "Application"); and

Whereas, **Western Digital (Fremont), LLC** (hereafter "Assignee"), a Delaware Corporation, desires to acquire the entire right, title, and interest in and to the Improvements and the Application.


Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assignees, the entire right, title, and interest throughout the world in, to and under the Improvements, and the Application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereof and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for the Improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents for the Improvements to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

We hereby covenant and agree that we will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to me respecting the Improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Improvements in all countries.

ASSIGNMENT

PATENT
Atty. Docket No.: 5627

Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A READ TRANSDUCER
HAVING AN ADAPTIVE READ SENSOR TRACK WIDTH**


FENG LIU

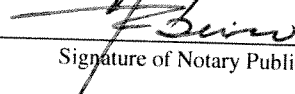
January 4, 2012
Date

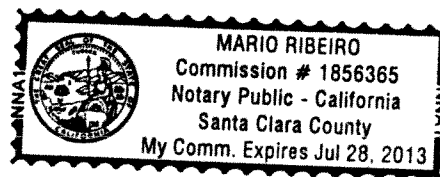
State of California)
County of ALAMEDA) ss.

On 01/04/12, before me, MARIO RIBEIRO, Notary Public, personally appeared **FENG LIU** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: 
Signature of Notary Public



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LAURENCE L. CHEN

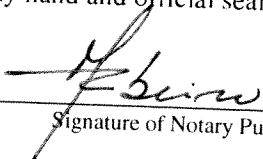
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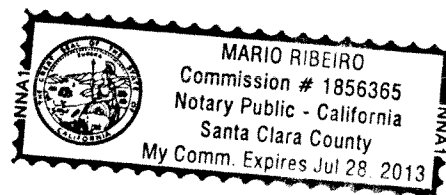
State of California)
County of ALAMEDA) ss.

On 01/03/12, before me, MARIO RIBEIRO, Notary Public, personally appeared **LAURENCE L. CHEN** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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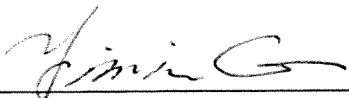
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YIMIN GUO

1-9-2012

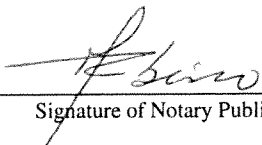
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State of California)
) ss.
County of ALAMEDA)

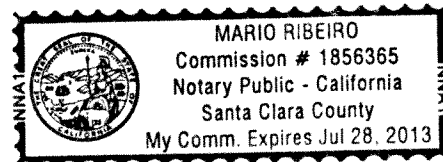
On 01/09/12, before me, MARIO RIBEIRO, Notary Public, personally appeared **YIMIN GUO** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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Amritpal S. Rana
AMRITPAL S. RANA

1/4/2012
Date

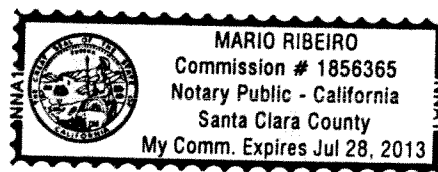
State of California)
County of ALAMEDA) ss.

On 01/04/12, before me, MARIO RIBEIRO, Notary Public, personally appeared **AMRITPAL S. RANA** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.


Signature: *Mario Ribeiro*
Signature of Notary Public



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Atty. Docket No.: 5627

Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A READ TRANSDUCER
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SHAOPING LI

01-04-2012

Date

State of California)
) ss.
County of ALAMEDA)

On 01/04/12, before me, MARIO RIBEIRO, Notary Public, personally appeared **SHAOPING LI** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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