

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<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>HAI SUN</td> <td>05/16/2008</td> </tr> <tr> <td>JINQIU ZHANG</td> <td>05/16/2008</td> </tr> <tr> <td>HONGPING YUAN</td> <td>05/16/2008</td> </tr> <tr> <td>DONGHONG LI</td> <td>05/19/2008</td> </tr> <tr> <td>LIUBO HONG</td> <td>05/16/2008</td> </tr> <tr> <td>YONG SHEN</td> <td>08/01/2008</td> </tr> </tbody> </table>		Name	Execution Date	HAI SUN	05/16/2008	JINQIU ZHANG	05/16/2008	HONGPING YUAN	05/16/2008	DONGHONG LI	05/19/2008	LIUBO HONG	05/16/2008	YONG SHEN	08/01/2008
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YONG SHEN	08/01/2008														
RECEIVING PARTY DATA															
Name:	WESTERN DIGITAL (FREMONT), LLC														
Street Address:	44100 OSGOOD ROAD														
City:	FREMONT														
State/Country:	CALIFORNIA														
Postal Code:	94539														
PROPERTY NUMBERS Total: 1															
<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>12121540</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12121540										
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Application Number:	12121540														
CORRESPONDENCE DATA															
Fax Number:	(949)672-6604														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	(949) 672-7871														
Email:	renee.quick@wdc.com														
Correspondent Name:	WESTERN DIGITAL														
Address Line 1:	ATTN: INTELLECTUAL PROPERTY DEPT.														
Address Line 2:	20511 LAKE FOREST DRIVE														
Address Line 4:	LAKE FOREST, CALIFORNIA 92630														
ATTORNEY DOCKET NUMBER:	F3472														

CH \$40.00 12121540

NAME OF SUBMITTER:

Renee M. Quick

Total Attachments: 7

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ASSIGNMENT

Whereas, we, **HAI SUN**, a citizen of the United States of America, residing at Milpitas, California; **JINQIU ZHANG** a citizen of the United States of America, residing at Fremont, California; **HONGPING YUAN**, a citizen of the United States of America, residing at Fremont, California; **DONGHONG LI**, a citizen of P.R. China, residing at Fremont, California; **LIUBO HONG**, a citizen of the United States of America, residing at San Jose, California; and **YONG SHEN**, a citizen of the United States of America, residing at Saratoga, California, have invented certain new and useful improvements in **METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR MAGNETIC RECORDING HEAD UTILIZING A MASK HAVING AN UNDERCUT LINE** (hereafter "Improvements") for which we have executed an application for a United States Patent filed May 15, 2008, Application No. 12/121,540 (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.: F3472

Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR
MAGNETIC RECORDING HEAD UTILIZING A MASK HAVING AN UNDERCUT LINE**



HAI SUN

5/16/08

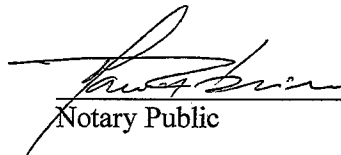
Date

State of California)
) ss.
County of ALAMEDA)

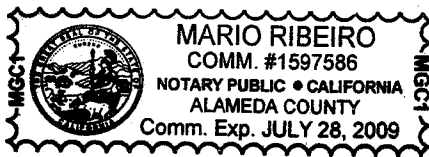
On 05/16/2008, before me, MARIO RIBEIRO, Notary Public, personally appeared **HAI SUN** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.



Notary Public



Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR
MAGNETIC RECORDING HEAD UTILIZING A MASK HAVING AN UNDERCUT LINE**

JINQIU ZHANG
Jinqiu Zhang

5/16/08
Date

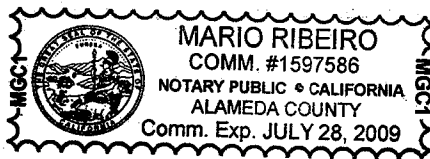
State of California)
County of ALAMEDA) ss.

On 05/16/2008, before me, MARIO RIBEIRO, Notary Public, personally appeared **JINQIU ZHANG** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.


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WITNESS my hand and official seal.

Mario Ribeiro
Notary Public



Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR
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HONGPING YUAN

5/16/08

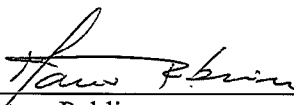
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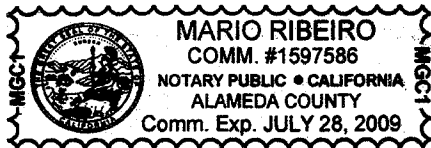
On 5/16/2008, before me, MARIO RIBEIRO, Notary Public, personally appeared **HONGPING YUAN** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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DONGHONG LI


5/19/2008
Date

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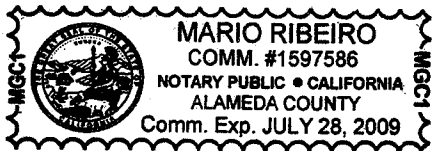
On 05/19/2008, before me, MARIO RIBEIRO, Notary Public, personally appeared **DONGHONG LI** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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LIUBO HONG

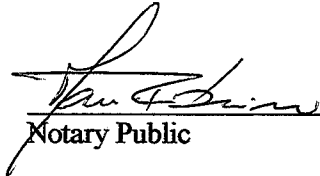
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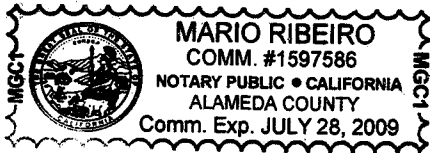
State of California)
) ss.
County of ALAMEDA)

On 05/16/2008, before me, MARIO RIBEIRO, Notary Public, personally appeared **LIUBO HONG** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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Notary Public



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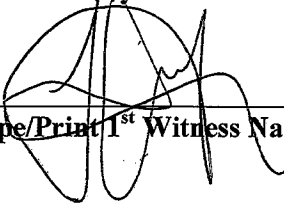


YONG SHEN

8-1-2008

Date

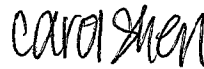
Witnessed by:



Type/Print 1st Witness Name

Eric Shen

Type/Print 2nd Witness Name



Witness Signature

08/01/08

Date



Witness Signature

08/01

Date