

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>TSUNG YUAN CHEN</td> <td>12/22/2009</td> </tr> <tr> <td>YIMIN GUO</td> <td>12/22/2009</td> </tr> <tr> <td>JINQIU ZHANG</td> <td>01/15/2010</td> </tr> <tr> <td>UT TRAN</td> <td>01/06/2010</td> </tr> </tbody> </table>		Name	Execution Date	TSUNG YUAN CHEN	12/22/2009	YIMIN GUO	12/22/2009	JINQIU ZHANG	01/15/2010	UT TRAN	01/06/2010
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TSUNG YUAN CHEN	12/22/2009										
YIMIN GUO	12/22/2009										
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UT TRAN	01/06/2010										
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"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12643954</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12643954						
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Application Number:	12643954										
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:	F4034										
NAME OF SUBMITTER:	Renee M. Quick										
Total Attachments: 5											

CH \$40.00 12643954

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**PATENT
 REEL: 023978 FRAME: 0980**

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ASSIGNMENT

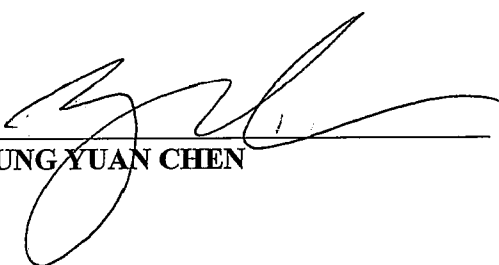
Whereas, we, **TSUNG YUAN CHEN**, a citizen of the **United States of America**, residing at **San Jose, California**; **YIMIN GUO** a citizen of the **United States of America**, residing at **San Jose, California**; **JINQIU ZHANG**, a citizen of the **United States of America**, residing at **Fremont, California**; and **UT TRAN**, a citizen of the **United States of America**, residing at **San Jose, California**, have invented certain new and useful improvements in **METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR MAGNETIC RECORDING POLE HAVING A LEADING EDGE BEVEL** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **December 21, 2009**, Application No. **12/643,954** (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.

Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR
MAGNETIC RECORDING POLE HAVING A LEADING EDGE BEVEL**



TSUNG YUAN CHEN

12/22/09
Date

State of California)
) ss.
County of ALAMEDA)

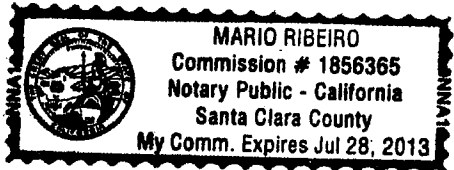
On 12/22/09, before me, MARIO RIBEIRO, Notary Public, personally appeared **TSUNG YUAN CHEN** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, 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 POLE HAVING A LEADING EDGE BEVEL**

Yimin Guo
YIMIN GUO

12/22/2009
Date

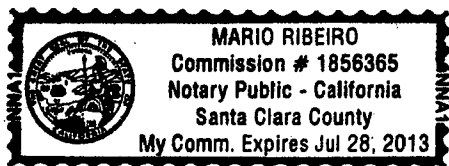
State of California)
County of ALAMEDA) ss.

On 12/22/09, before me, MARIO RIBEIRO, Notary Public, personally appeared YIMIN GUO 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.

Mario Ribeiro
Notary Public



Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR
MAGNETIC RECORDING POLE HAVING A LEADING EDGE BEVEL**

JINQIU ZHANG
Jin Qiu Zhang

1/15/10
Date

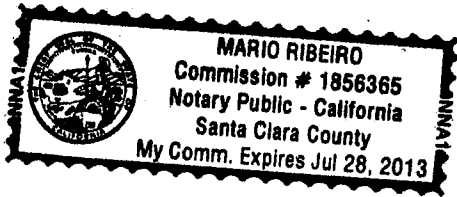
State of California)
) ss.
County of ALAMEDA)

On 01/15/10, 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.

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.

M. Ribeiro
Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: F4034

Title of Invention: METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR
MAGNETIC RECORDING POLE HAVING A LEADING EDGE BEVEL

UT TRAN 01/06/2010
Date

State of California)
County of ALAMEDA) ss.

On 01-06-2010, before me, MARIO RIBEIRO, Notary Public, personally appeared UT TRAN 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.

Mario Ribeiro
Notary Public

