

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>JINQIU ZHANG</td><td>05/28/2009</td></tr><tr><td>YUN-FEI LI</td><td>05/27/2009</td></tr><tr><td>YING HONG</td><td>06/02/2009</td></tr></tbody></table>		Name	Execution Date	JINQIU ZHANG	05/28/2009	YUN-FEI LI	05/27/2009	YING HONG	06/02/2009		
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RECEIVING PARTY DATA											
<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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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>12471278</td></tr></tbody></table>		Property Type	Number	Application Number:	12471278						
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Application Number:	12471278										
CORRESPONDENCE DATA											
Fax Number: (949)672-6604 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Email: renee.quick@wdc.com											
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Address Line 2: 20511 LAKE FOREST DRIVE											
Address Line 4: LAKE FOREST, CALIFORNIA 92630											
ATTORNEY DOCKET NUMBER:	F3743										
NAME OF SUBMITTER:	Renee M. Quick										
Total Attachments: 4 source=F3743_Assignment_EFS#page1.tif											

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ASSIGNMENT

Whereas, we, **JINQIU ZHANG**, a citizen of the United States of America, residing at **Fremont, California**; **YUN-FEI LI** a citizen of People's Republic of China, residing at **Fremont, California**; and **YING HONG**, a citizen of the United States of America, residing at **Morgan Hill, California**, have invented certain new and useful improvements in **METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR MAGNETIC RECORDING POLE USING A DRY-ETCHABLE HARD MASK** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **May 22, 2009**, Application No. **12/471,278** (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.

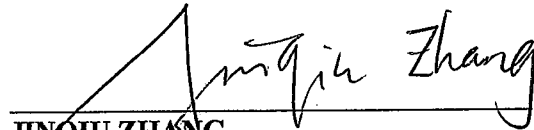
Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives 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.: F3743

Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A PERPENDICULAR  
MAGNETIC RECORDING POLE USING A DRY-ETCHABLE HARD MASK**

  
JINQIU ZHANG

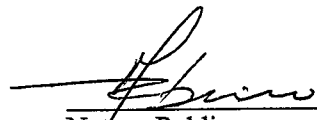
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Date

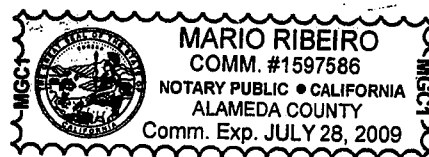
State of California            )  
                                      ) ss.  
County of ALAMEDA        )

On 05/28/09, 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.

  
\_\_\_\_\_  
Notary Public




**PATENT**  
Atty. Docket No.: F3743

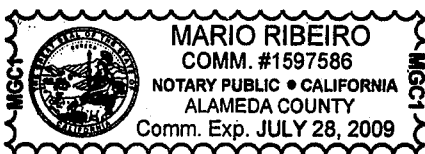
  
YUN-FEI LI

5/27/09  
Date

State of California )  
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\_\_\_\_\_  
YING HONG

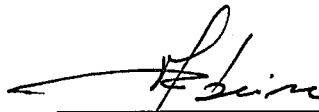
6/2/2009  
\_\_\_\_\_  
Date

State of California                    )  
  ) ss.  
County of ALAMEDA                )

On 06/02/2009, before me, MARIO RIBEIRO, Notary Public, personally appeared **YING 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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