

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>RONGHUI ZHOU</td> <td>06/17/2010</td> </tr> <tr> <td>MING JIANG</td> <td>06/17/2010</td> </tr> <tr> <td>DANNING YANG</td> <td>06/17/2010</td> </tr> <tr> <td>YUN-FEI LI</td> <td>06/17/2010</td> </tr> </tbody> </table>		Name	Execution Date	RONGHUI ZHOU	06/17/2010	MING JIANG	06/17/2010	DANNING YANG	06/17/2010	YUN-FEI LI	06/17/2010
Name	Execution Date										
RONGHUI ZHOU	06/17/2010										
MING JIANG	06/17/2010										
DANNING YANG	06/17/2010										
YUN-FEI LI	06/17/2010										
<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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
Name:	WESTERN DIGITAL (FREMONT), LLC										
Street Address:	44100 OSGOOD ROAD										
City:	FREMONT										
State/Country:	CALIFORNIA										
Postal Code:	94539										
<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 style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12817376</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12817376						
Property Type	Number										
Application Number:	12817376										
<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (949)672-6604  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>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</p>											
ATTORNEY DOCKET NUMBER:	F4271										
NAME OF SUBMITTER:	Renee M. Quick										
Total Attachments: 5											

CH \$40.00 12817376

**501208202**

**PATENT**  
**REEL: 024554 FRAME: 0292**

source=F4271\_Assignment\_EFS#page1.tif  
source=F4271\_Assignment\_EFS#page2.tif  
source=F4271\_Assignment\_EFS#page3.tif  
source=F4271\_Assignment\_EFS#page4.tif  
source=F4271\_Assignment\_EFS#page5.tif

**ASSIGNMENT**

Whereas, we, **RONGHUI ZHOU**, a citizen of **the People's Republic of China**, residing at **Fremont, California**; **MING JIANG** a citizen of **the United States of America**, residing at **San Jose, California**; **DANNING YANG**, a citizen of **the United States of America**, residing at **Fremont, California**; and **YUN-FEI LI**, a citizen of **People's Republic of China**, residing at **Fremont, California**, have invented certain new and useful improvements in **METHOD AND SYSTEM FOR PROVIDING A FULL WRAP-AROUND SHIELD USING A FRAME CONFIGURED WET ETCH IN A DAMASCENE PROCESS** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **June 17, 2010**, Application No. **12/817,376** (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.: F4271

Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A FULL WRAP-AROUND  
SHIELD USING A FRAME CONFIGURED WET ETCH IN A DAMASCENE PROCESS**

  
\_\_\_\_\_  
RONGHUI ZHOU

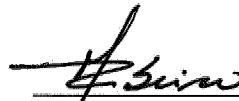
06-17-2010  
\_\_\_\_\_  
Date

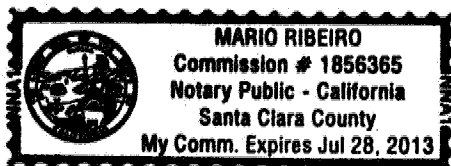
State of California                     )  
  ) ss.  
County of ALAMEDA                     )

On 06/17/10, before me, MARIO RIBEIRO, Notary Public, personally appeared **RONGHUI ZHOU** 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.

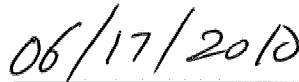
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

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



Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A FULL WRAP-AROUND SHIELD USING A FRAME CONFIGURED WET ETCH IN A DAMASCENE PROCESS**

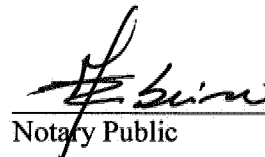
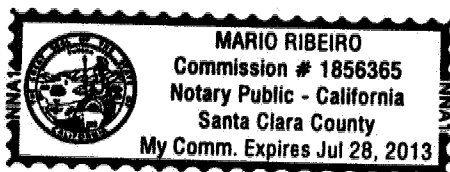
MING JIANGDate

State of California                    )  
  ) ss.  
County of ALAMEDA                    )

On 06/17/10, before me, MARIO RIBEIRO, Notary Public, personally appeared **MING JIANG** 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

ASSIGNMENT

PATENT  
Atty. Docket No.: F4271

Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A FULL WRAP-AROUND SHIELD USING A FRAME CONFIGURED WET ETCH IN A DAMASCENE PROCESS**

  
\_\_\_\_\_  
DANNING YANG


6/17/10  
\_\_\_\_\_  
Date

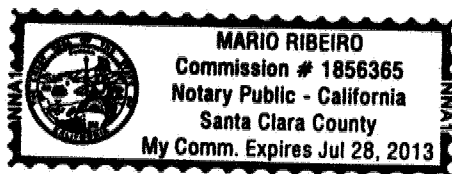
State of California                     )  
  ) ss.  
County of ALAMEDA                     )

On 06/17/10, before me, MARIO RIBEIRO, Notary Public, personally appeared **DANNING YANG** 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.

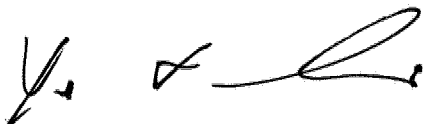
  
\_\_\_\_\_  
Notary Public



ASSIGNMENT

PATENT  
Atty. Docket No.: F4271

Title of Invention: **METHOD AND SYSTEM FOR PROVIDING A FULL WRAP-AROUND SHIELD USING A FRAME CONFIGURED WET ETCH IN A DAMASCENE PROCESS**

  
\_\_\_\_\_  
YUN-FEI LI


6/17/10  
\_\_\_\_\_  
Date

State of California                    )  
  ) ss.  
County of ALAMEDA                )

On 06/17/10, before me, MARIO RIBEIRO, Notary Public, personally appeared YUN-FEI 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.

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

