

PATENT ASSIGNMENT

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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>YANNING LIU</td> <td>11/06/2012</td> </tr> <tr> <td>CHUANWEN JI</td> <td>11/02/2012</td> </tr> <tr> <td>DUC T. PHAN</td> <td>11/06/2012</td> </tr> <tr> <td>MING YING WANG</td> <td>11/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	YANNING LIU	11/06/2012	CHUANWEN JI	11/02/2012	DUC T. PHAN	11/06/2012	MING YING WANG	11/02/2012
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RECEIVING PARTY DATA											
Name:	WESTERN DIGITAL TECHNOLOGIES, INC.										
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City:	IRVINE										
State/Country:	CALIFORNIA										
Postal Code:	92612										
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>13670388</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13670388						
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Application Number:	13670388										
CORRESPONDENCE DATA											
Fax Number:	9496726604										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Address Line 4:	IRVINE, CALIFORNIA 92612										
ATTORNEY DOCKET NUMBER:	T5832										
NAME OF SUBMITTER:	David H. Chan										
Total Attachments: 5											

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ASSIGNMENT

Whereas, we, YANNING LIU, a citizen of the United States of America, residing at San Ramon, California; CHUANWEN JI, a citizen of China, residing at Irvine, California; DUC T. PHAN, a citizen of the United States of America, residing at Saratoga, California; and MING YING WANG, a citizen of the United States of America, residing at Mission Viejo, California, have invented certain new and useful improvements in **DISK DRIVE PERFORMING LIFETIME LOGGING OF MICROACTUATOR SENSITIVITY** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **HEREWITH**, Application No. **UNKNOWN** (hereafter "Application"); and

Whereas, **Western Digital Technologies, Inc.** (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.: T5832

Title of Invention: **DISK DRIVE PERFORMING LIFETIME LOGGING OF MICROACTUATOR SENSITIVITY**


YANNING LIU

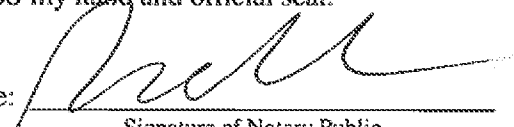
11/06/2012
Date

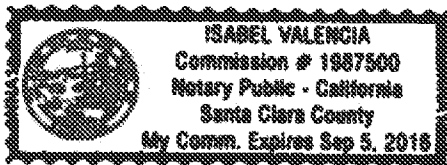
State of California)
County of Santa Clara) ss.

On November 6, 2012 before me, Isabel Valencia, Notary Public, personally appeared YANNING 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



ASSIGNMENT

PATENT
Atty. Docket No.: T5832

Title of Invention: **DISK DRIVE PERFORMING LIFETIME LOGGING OF MICROACTUATOR SENSITIVITY**

Chuanwen Ji
CHUANWEN JI

11/02/2012
Date

State of California)
) ss.
County of Orange)

On Nov 2, 2012, before me, Annette L. German Notary Public, personally appeared **CHUANWEN JI** 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: *Annette L. German*
Signature of Notary Public

