

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>XIN WANG</td> <td>05/18/2012</td> </tr> <tr> <td>YANNING LIU</td> <td>05/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	XIN WANG	05/18/2012	YANNING LIU	05/18/2012
Name	Execution Date						
XIN WANG	05/18/2012						
YANNING LIU	05/18/2012						
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>13476616</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13476616		
Property Type	Number						
Application Number:	13476616						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	T5898						
NAME OF SUBMITTER:	Renee M. Quick						
Total Attachments: 3 source=T5898_Assignment_EFS#page1.tif source=T5898_Assignment_EFS#page2.tif source=T5898_Assignment_EFS#page3.tif							

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ASSIGNMENT

Whereas, we, **XIN WANG**, a citizen of **China**, residing at **San Jose, California**; and **YANNING LIU**, a citizen of **the United States of America**, residing at **San Ramon, California**, have invented certain new and useful improvements in **METHODS, DEVICES AND SYSTEMS FOR CHARACTERIZING POLARITIES OF PIEZOELECTRIC (PZT) ELEMENTS OF A TWO PZT ELEMENT MICROACTUATOR** (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.: T5898

Title of Invention: METHODS, DEVICES AND SYSTEMS FOR CHARACTERIZING
POLARITIES OF PIEZOELECTRIC (PZT) ELEMENTS OF A TWO PZT ELEMENT
MICROACTUATOR

Xin Wang

05/18/2012

XIN WANG

Date

State of California)

County of *Santa Clara*) ss.

On *May 18, 2012*, before me, *Isabel Valencia*, Notary Public, personally appeared *XIN WANG* 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:

Isabel Valencia

Signature of Notary Public



