

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2854641

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YASUO SAKANE	05/12/2014
KIM THUY THI LAI	05/12/2014
SHAUN H. CHEN	05/12/2014
BING-SHIUAN CHANG	05/12/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WD MEDIA, LLC
<b>Street Address:</b>	1710 AUTOMATION PARKWAY
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95131
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14196760
<b>Application Number:</b>	61859938
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)672-6604
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<b>Email:</b>	Tanya.Josephs@wdc.com
<b>Correspondent Name:</b>	TANYA JOSEPHS FOR WESTERN DIGITAL
<b>Address Line 1:</b>	3355 MICHELSON DRIVE, SUITE 100
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92612
<b>ATTORNEY DOCKET NUMBER:</b>	M6712
<b>NAME OF SUBMITTER:</b>	TANYA JOSEPHS
<b>SIGNATURE:</b>	/Tanya Josephs/
<b>DATE SIGNED:</b>	05/14/2014
<b>Total Attachments: 6</b>	
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ASSIGNMENT

Whereas, we, YASUO SAKANE, a citizen of Japan, residing at SAN JOSE, California; KIM THUY THI LAI, a citizen of The United States of America, residing at SAN JOSE, California; SHAUN H. CHEN, a citizen of The United States of America, residing at CUPERTINO, California; and BING-SHIUAN CHANG, a citizen of The United States of America, residing at SAN JOSE, California, have invented certain new and useful improvements in **HARD DISK DOUBLE LUBRICATION LAYER** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **March 4, 2014**, Application No. **14/196,760** and a provisional application for a United States Patent filed **July 30, 2013**, Application No. **61/859,938** (hereafter "Applications"); and

Whereas, **WD Media, LLC** (hereafter "Assignee"), a Delaware limited liability company, desires to acquire the entire right, title, and interest in and to the Improvements and the Applications.

Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, do hereby acknowledge that I 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 Applications and all divisions, renewals and continuations thereof, and all applications claiming priority to the Applications, 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 I 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 us 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.

**PATENT**  
Atty. Docket No.: M6712

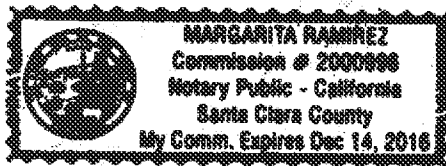
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Date 5/12/2014

State of California )  
 ) ss.  
County of Santa Clara )

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

Signature: \_\_\_\_\_  
Signature of Notary Public



ASSIGNMENT

PATENT  
Atty. Docket No.: M6712

Title of Invention: **HARD DISK DOUBLE LUBRICATION LAYER**

  
KIM THUY THI LAI

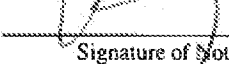
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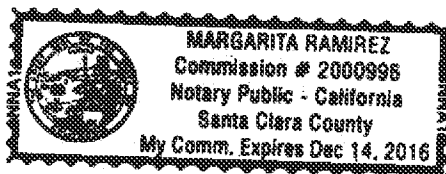
State of California                    )  
  ) ss.  
County of Santa Clara            )

On May 12, 2014, before me, Margarita Ramirez, Notary Public, personally appeared **KIM THUY THI LAI** 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.: M6712

Title of Invention: **HARD DISK DOUBLE LUBRICATION LAYER**

SHAUN H. CHEN

Date \_\_\_\_\_

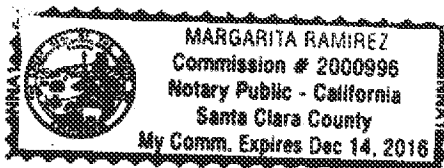
State of California )  
 ) ss.  
County of Santa Clara )

On May 12, 2014, before me, Margarita Ramirez, Notary Public, personally appeared **SHAUN H. CHEN** 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.: M6712

Title of Invention: **HARD DISK DOUBLE LUBRICATION LAYER**

  
\_\_\_\_\_  
BING-SHIUAN CHANG

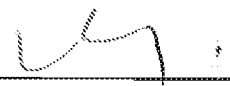
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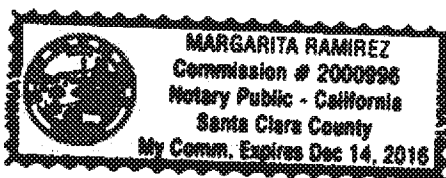
State of California                     )  
  ) ss.  
County of Santa Clara            )

On May 12, 2014, before me, Margarita Ramirez, Notary Public, personally appeared **BING-SHIUAN CHANG** 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



**ACCEPTANCE OF ASSIGNMENT**  
(Patent Application)

Assignee WD Media, LLC ("Assignee") hereby acknowledges that YASUO SAKANE, KIM THUY THI LAI, SHAUN H. CHEN and BING-SHIUAN CHANG have executed the above assignment concerning a utility (provisional or non-provisional) or design patent application entitled

"HARD DISK DOUBLE LUBRICATION LAYER"

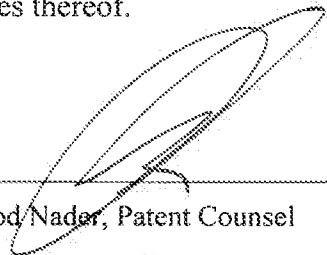
filed with the U.S. Patent & Trademark Office on March 4, 2014 and assigned serial no. 14/196,760; and

"MULTI-LAYER LUBE LAYERS FOR HARD-DISKS"

filed with the U.S. Patent & Trademark Office on July 30, 2013 and assigned serial no. 61/859,938.

Assignee further acknowledges receipt of the entire right, title and interest in and to the patents and/or patent application(s) listed herein ("Application(s)"), 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 listed Application(s) in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

Signature: \_\_\_\_\_

  
Rambod Nader, Patent Counsel  
Assignee WD Media, LLC

Date: May 13, 2014