503134784 01/13/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MING SUN	01/08/2015
JOSE A. MEDINA	01/08/2015
MING JIANG	01/08/2015
MING ZHAO	01/08/2015

RECEIVING PARTY DATA

Name:	WESTERN DIGITAL (FREMONT), LLC	
Street Address:	44100 OSGOOD ROAD	
City:	FREMONT	
State/Country:	CALIFORNIA	
Postal Code:	94539	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14312317
Application Number:	61949390

CORRESPONDENCE DATA

Fax Number: (949)672-6604

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (949) 672-7871

Email: sandra.jackson@wdc.com

Correspondent Name: WESTERN DIGITAL

Address Line 1: ATTN: IP LAW DEPARTMENT

Address Line 2: 3355 MICHELSON DRIVE, SUITE 100

Address Line 4: IRVINE, CALIFORNIA 92612

NAME OF SUBMITTER: SANDRA JACKSON SIGNATURE: /Sandra Jackson/	_
SIGNATURE: /Sandra Jackson/	
Joanula Jackson	
DATE SIGNED: 01/13/2015	

Total Attachments: 5

PATENT REEL: 034701 FRAME: 0964

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PATENT REEL: 034701 FRAME: 0965

Atty. Docket No.: F7070

ASSIGNMENT

Whereas, we, MING SUN, a citizen of the United States of America, residing at Pleasanton, California; JOSE A. MEDINA, a citizen of the United States of America, residing at Pleasanton, California; MING JIANG, a citizen of the United States of America, residing at San Jose, California; and MING ZHAO, a citizen of the United States of America, residing at Fremont, California, have invented certain new and useful improvements in METHODS FOR CONTROLLING STRAY FIELDS OF MAGNETIC FEATURES USING MAGNETO-ELASTIC ANISOTROPY (hereafter "Improvements") for which we have executed an application for a United States Patent filed June 23, 2014, Application No. 14/312,317 and a provisional application for a United States Patent filed March 7, 2014, Application No. 61/949,390 (hereafter "Applications"); and

Whereas, Western Digital (Fremont), 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.: F7070

TROLLING STRAY FIELDS OF MAGNETIC ISOTROPY
J., 08, 2215
Date
cate verifies only the identity of the individual who signed of the truthfulness, accuracy, or validity of that document.
Notary Public, personally usis of satisfactory evidence to be the person(s) whose and acknowledged to me that he/she/they executed the that by his/her/their signature(s) on the instrument the roon(s) acted, executed the instrument.
he laws of the State of California that the foregoing
MARIO RIBEIRO Commission # 2031934 Notary Public - California Santa Clara County My Comm. Expires Jul 28, 2017

Atty. Docket No.: F7070

FEATURES USING MAGNETO-ELASTIC AN	ISOTROPY
JOSE A. MEDINA	<u> </u>
	cate verifies only the identity of the individual who signed ot the truthfulness, accuracy, or validity of that document.
State of California)) ss. County of ALAMEDA)	
whose name(s) is/are subscribed to the within in executed the same in his/her/their authorized capa	Notary Public, personally n the basis of satisfactory evidence to be the person(s) isstrument and acknowledged to me that he/she/they city(ies), and that by his/her/their signature(s) on the of which the person(s) acted, executed the instrument.
I certify under PENALTY OF PERJURY under to paragraph is true and correct.	he laws of the State of California that the foregoing
WITNESS my hand and official seal. Signature: Signature of Notary Public	MARIO RISEIRO Commission # 2031934 Notary Public - California
	Santa Clara County My Comm. Expires Jul 28, 2017

ASSIGNMENT PATENT
Any. Docket No.: F7070

Title of Invention: METHODS FOR CONTROLLING STRAY FIELDS OF MAGNETIC FEATURES USING MAGNETO-ELASTIC ANISOTROPY 1/08/2015 A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document. State of California County of ALAMEDA On <u>0/08/15</u>, before me, <u>MARIO</u> PAGILO, Notary Public, personally appeared MING JIANG 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. MARIO RIBEIRO Commission # 2031934 Notary Public - California Santa Clara County My Comm. Expires Jul 28, 7017 |

PATENT Atty. Docket No.: F7070

Title of Invention: METHODS FOR CONTROLLING STRAY FIELDS OF MAGNETIC FEATURES USING MAGNETO-ELASTIC ANISOTROPY		
MING ZHAO	Jan. 8, 2015 Date	
	rtificate verifies only the identity of the individual who signed and the truthfulness, accuracy, or validity of that document.	
State of California)) ss. County of A 4 4 1 5 1 4		
personally appeared MING ZHAO who prove person(s) whose name(s) is/are subscribed to he/she/they executed the same in his/her/the	MAZIO Public, od to me on the basis of satisfactory evidence to be the the within instrument and acknowledged to me that bir authorized capacity(ies), and that by his/her/their or the entity upon behalf of which the person(s) acted,	
I certify under PENALTY OF PERIURY under paragraph is true and correct.	er the laws of the State of California that the foregoing	
WITNESS my hand and official seal. Signature: Signature of Notary Public	MARIO RIBEIRO Commission # 2031934 Notary Public - California Santa Clara County My Comm. Expires Jul 28, 2017	
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