

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | ZHITAO DIAO | 01/16/2013 |
| | QUNWEN LENG | 01/14/2013 |
| RECEIVING PARTY DATA | | |
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| City: | FREMONT | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 94539 | |
| PROPERTY NUMBERS Total: 1 | | |
| | Property Type | Number |
| | Application Number: | 14290961 |
| CORRESPONDENCE DATA | | |
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| ATTORNEY DOCKET NUMBER: | F6028.D1 | |
| NAME OF SUBMITTER: | SUSAN BARTHOLOMEW | |
| SIGNATURE: | /Susan Bartholomew/ | |
| DATE SIGNED: | 12/15/2014 | |
| Total Attachments: 3 | | |
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ASSIGNMENT

Whereas, we, ZHITAO DIAO, a citizen of China, residing at Fremont, California; and QUNWEN LENG, a citizen of the United States of America, residing at Palo Alto, California, have invented certain new and useful improvements in SYSTEMS AND METHODS FOR PROVIDING MAGNETIC STORAGE ELEMENTS WITH HIGH MAGNETO-RESISTANCE USING HEUSLER ALLOYS (hereafter "Improvements") for which we have executed an application for a United States Patent filed 13/737,374, Application No. January 9, 2013 (hereafter "Application"); 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 Application.

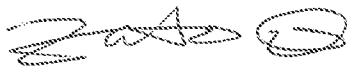
Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives 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.: F6028

Title of Invention: **SYSTEMS AND METHODS FOR PROVIDING MAGNETIC STORAGE ELEMENTS WITH HIGH MAGNETO-RESISTANCE USING HEUSLER ALLOYS**



ZHITAO DIAO

01/16/2013

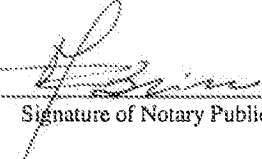
Date

State of California)
) ss.
County of ALAMEDA)

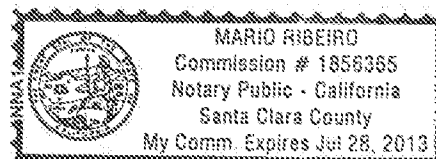
On 01/16/13, before me, Mario Ribeiro, Notary Public, personally appeared **ZHITAO DIAO** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized 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: 

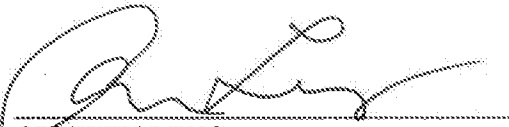
Signature of Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: F6028

Title of Invention: **SYSTEMS AND METHODS FOR PROVIDING MAGNETIC STORAGE ELEMENTS WITH HIGH MAGNETO-RESISTANCE USING HEUSLER ALLOYS**


QUNWEN LENG

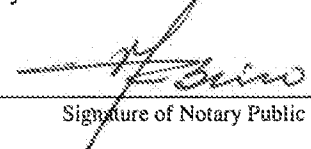
1/14/2013
Date

State of California)
) ss.
County of ALAMEDA)

On 01/14/13, before me, MARIO RIBEIRO, Notary Public, personally appeared **QUNWEN LENG** 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

