

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Qunwen LENG	07/24/2009
Christian KAISER	07/27/2009
Yimin GUO	07/27/2009
Mahendra PAKALA	07/24/2009
Sining MAO	07/24/2009
RECEIVING PARTY DATA	
Name:	WESTERN DIGITAL (FREMONT), LLC
Street Address:	44100 Osgood Road
City:	Fremont
State/Country:	CALIFORNIA
Postal Code:	94539
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12506978
CORRESPONDENCE DATA	
Fax Number:	(949)672-6604
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	949-672-7871
Email:	renee.quick@wdc.com
Correspondent Name:	WESTERN DIGITAL
Address Line 1:	ATTN: INTELLECTUAL PROPERTY DEPT.
Address Line 2:	20511 LAKE FOREST DRIVE
Address Line 4:	LAKE FOREST, CALIFORNIA 92630
ATTORNEY DOCKET NUMBER:	F3818
NAME OF SUBMITTER:	Mark J. Itri, Reg. No. 36,171

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REEL: 023149 FRAME: 0401

Total Attachments: 6

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ASSIGNMENT

Whereas, we, **QUNWEN LENG**, a citizen of the United States of America, residing at Palo Alto, California; **CHRISTIAN KAISER** a citizen of Germany, residing at San Jose, California; **YIMIN GUO**, a citizen of the United States of America, residing at San Jose, California; **MAHENDRA PAKALA**, a citizen of the United States of America, residing at Fremont, California; and **SINING MAO**, a citizen of the United States of America, residing at Fremont, California, have invented certain new and useful improvements in **MAGNETORESISTIVE SENSORS HAVING AN IMPROVED FREE LAYER** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **July 21, 2009**, Application No. **12/506,978** (hereafter "Application"); and

Whereas, **Western Digital (Fremont), LLC** (hereafter "Assignee"), a Delaware Corporation, desires to acquire the entire right, title, and interest in and to the Improvements and the Application.

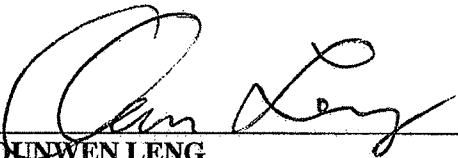
Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives 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.: F3818

Title of Invention: MAGNETORESISTIVE SENSORS HAVING AN IMPROVED FREE LAYER


QUNWEN LENG

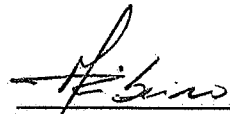
07/24/09
Date

State of California)
County of ALAMEDA) ss.

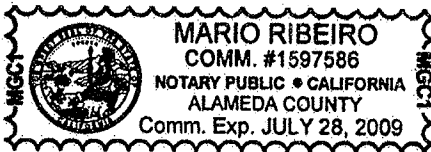
On 07/24/2009, before me, MARIO RIBEIRO, Notary Public, personally appeared QUNWEN LENG who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.



Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: F3818

Title of Invention: MAGNETORESISTIVE SENSORS HAVING AN IMPROVED FREE LAYER



CHRISTIAN KAISER

7-27-2009
Date

State of California)
) ss.
County of ALAMEDA)

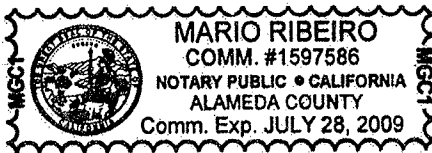
On 7/27/2009, before me, MARIO RIBEIRO, Notary Public, personally appeared **CHRISTIAN KAISER** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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Notary Public



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PATENT
Atty. Docket No.: F3818

Title of Invention: MAGNETORESISTIVE SENSORS HAVING AN IMPROVED FREE LAYER

Yimin Guo
YIMIN GUO


7/27/09
Date

State of California)
) ss.
County of ALAMEDA)

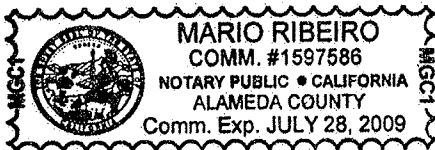
On 07/27/2009, before me, MARIO RIBEIRO, Notary Public, personally appeared YIMIN GUO who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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Notary Public



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PATENT
Atty. Docket No.: F3818

Title of Invention: **MAGNETORESISTIVE SENSORS HAVING AN IMPROVED FREE LAYER**



MAHENDRA PAKALA

7/24/2009

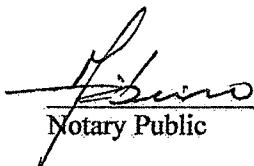
Date

State of California)
) ss.
County of ALAMEDA)

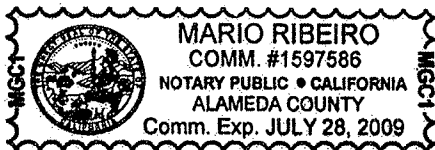
On 07/24/2009, before me, MARIO RIBEIRO, Notary Public, personally appeared **MAHENDRA PAKALA** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.



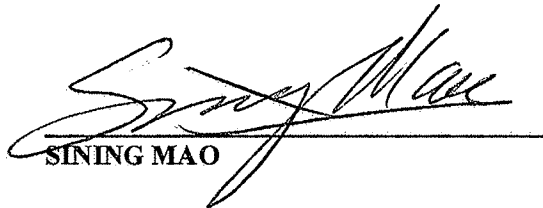
Notary Public



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Atty. Docket No.: F3818

Title of Invention: MAGNETORESISTIVE SENSORS HAVING AN IMPROVED FREE LAYER


SINING MAO

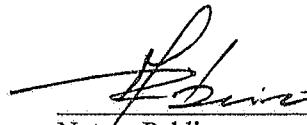
7/24/09
Date

State of California)
County of ALAMEDA) ss.

On 07/24/2009, before me, MARIO RIBEIRO, Notary Public, personally appeared **SINING MAO** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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WITNESS my hand and official seal.


Notary Public

