

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3549505

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUANKAI ZHENG	09/28/2015
QUNWEN LENG	09/28/2015
XIN JIANG	09/30/2015
TONG ZHAO	09/28/2015
ZHITAO DIAO	09/28/2015
CHRISTIAN KAISER	09/28/2015
ZHIPENG LI	09/29/2015
JIANXIN FANG	09/28/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WESTERN DIGITAL (FREMONT), LLC
<b>Street Address:</b>	44100 OSGOOD ROAD
<b>City:</b>	FREMONT
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94539
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14749260
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)672-6604
<i>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.</i>	
<b>Phone:</b>	(949) 672-7871
<b>Email:</b>	paulette.halili@wdc.com
<b>Correspondent Name:</b>	WESTERN DIGITAL
<b>Address Line 1:</b>	ATTN: IP LAW DEPARTMENT
<b>Address Line 2:</b>	3355 MICHELSON DRIVE, SUITE 100
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92612
<b>ATTORNEY DOCKET NUMBER:</b>	F8022
<b>NAME OF SUBMITTER:</b>	PAULETTE HALILI
<b>SIGNATURE:</b>	/Paulette Halili/

PATENT

**DATE SIGNED:**

09/30/2015

**Total Attachments: 9**

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ASSIGNMENT

Whereas, we, **YUANKAI ZHENG**, a citizen of **Singapore**, residing at **FREMONT, California**; **QUNWEN LENG**, a citizen of **the United States of America**, residing at **PALO ALTO, California**; **XIN JIANG**, a citizen of **the United States of America**, residing at **SAN JOSE, California**; **TONG ZHAO**, a citizen of **China**, residing at **FREMONT, California**; **ZHITAO DIAO**, a citizen of **China**, residing at **FREMONT, California**; **CHRISTIAN KAISER**, a citizen of **Germany**, residing at **SAN JOSE, California**; **ZHIPENG LI**, a citizen of **China**, residing at **FREMONT, California**; and **JIANXIN FANG**, a citizen of **the United States of America**, residing at **SAN JOSE, California**, have invented certain new and useful improvements in **MAGNETIC READER HAVING A CRYSTAL DECOUPLING STRUCTURE** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **June 24, 2015**, Application No. **14/749,260** (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.

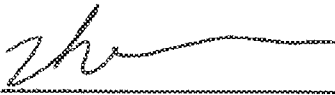
Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives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

ASSIGNMENT

PATENT  
Atty. Docket No.: F8022

Title of Invention: **MAGNETIC READER HAVING A CRYSTAL DECOUPLING STRUCTURE**

  
.....  
YUANKAI ZHENG

9/28/2015  
.....  
Date

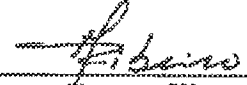
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

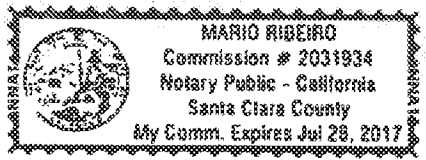
State of California            )  
  ) ss.  
County of ALAMEDA        )

On 09/28/15, before me, MARIO RIBEIRO, Notary Public, personally appeared YUANKAI ZHENG 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.

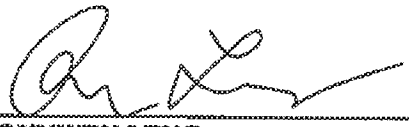
Signature:   
Signature of Notary Public



ASSIGNMENT

PATENT  
Atty. Docket No.: F8022

Title of Invention: MAGNETIC READER HAVING A CRYSTAL DECOUPLING STRUCTURE

  
\_\_\_\_\_  
QUNWEN LENG

9/28/2015  
\_\_\_\_\_  
Date

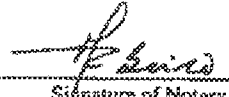
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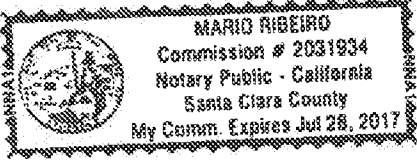
State of California                    )  
  ) ss.  
County of ALAMEDA                )

On 09/28/15, 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

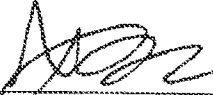


ASSIGNMENT

PATENT  
Atty. Docket No.: F8022

Title of Invention: MAGNETIC READER HAVING A CRYSTAL DECOUPLING STRUCTURE

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\_\_\_\_\_  
XIN JIANG

9/30/2015  
\_\_\_\_\_  
Date

Witnessed by:

Han Guchang  
\_\_\_\_\_  
Type/Print 1<sup>st</sup> Witness Name

  
\_\_\_\_\_  
1<sup>st</sup> Witness Signature

9/30/2015  
\_\_\_\_\_  
Date

Xu Shu  
\_\_\_\_\_  
Type/Print 2<sup>nd</sup> Witness Name

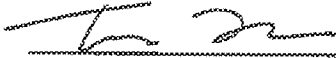
  
\_\_\_\_\_  
2<sup>nd</sup> Witness Signature

9/30/2015  
\_\_\_\_\_  
Date

ASSIGNMENT

PATENT  
Atty. Docket No.: F8022

Title of Invention: MAGNETIC READER HAVING A CRYSTAL DECOUPLING STRUCTURE

  
TONG ZHAO

9/28/2015  
Date

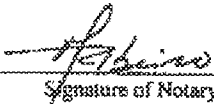
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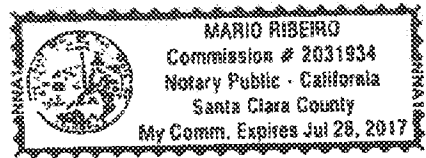
State of California )  
 ) ss.  
County of ALAMEDA )

On 09/28/15, before me, MARIO RIBEIRO, Notary Public, personally appeared TONG ZHAO 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.: F8022

Title of Invention: MAGNETIC READER HAVING A CRYSTAL DECOUPLING STRUCTURE

Zhitao Diao  
ZHITAO DIAO

09/28/15  
Date

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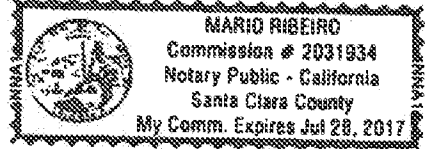
State of California            )  
  ) ss.  
County of ALAMEDA            )

On 09/28/15, 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: Mario Ribeiro  
Signature of Notary Public





ASSIGNMENT

PATENT  
Atty. Docket No.: F8022

Title of Invention: MAGNETIC READER HAVING A CRYSTAL DECOUPLING STRUCTURE

  
\_\_\_\_\_  
CHRISTIAN KAISER

9-28-2015  
\_\_\_\_\_  
Date

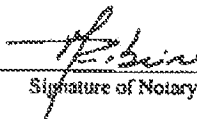
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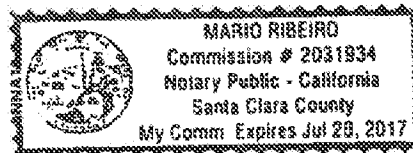
State of California            )  
  ) ss.  
County of ALAMEDA        )

On 09/28/15 before me, MARIO RIBEIRO, Notary Public, personally appeared CHRISTIAN KAISER 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.

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WITNESS my hand and official seal.

Signature:   
Signature of Notary Public



ASSIGNMENT

PATENT  
Atty. Docket No.: F8022

Title of Invention: MAGNETIC READER HAVING A CRYSTAL DECOUPLING STRUCTURE

Zhipeng Li  
ZHIPENG LI

09/29/2015  
Date

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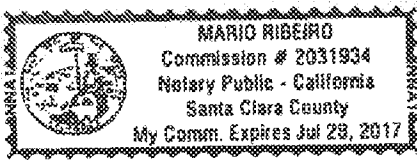
State of California )  
County of ALAMEDA ) ss.  
)

On 09/29/15, before me, MARIO RIBEIRO, Notary Public, personally appeared ZHIPENG LI 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: Mario Ribeiro  
Signature of Notary Public



ASSIGNMENT

PATENT  
Atty. Docket No.: F8022

Title of Invention: MAGNETIC READER HAVING A CRYSTAL DECOUPLING STRUCTURE

[Handwritten Signature]  
JIANXIN FANG

09/28/2015  
Date

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State of California            )  
  ) ss.  
County of ALAMEDA        )

On 09/28/15, before me, MARIO RIBEIRO, Notary Public, personally appeared JIANXIN FANG 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.

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WITNESS my hand and official seal.

Signature: [Handwritten Signature]  
                  Signature of Notary Public

