

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JIE YU</td> <td>03/21/2012</td> </tr> <tr> <td>GUOXIAO GUO</td> <td>03/21/2012</td> </tr> <tr> <td>JIANGUO ZHOU</td> <td>03/19/2012</td> </tr> <tr> <td>SANGHOON CHU</td> <td>03/01/2012</td> </tr> <tr> <td>YOUNG-HOON KIM</td> <td>03/01/2012</td> </tr> <tr> <td>ABHISHEK DHANDA</td> <td>02/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	JIE YU	03/21/2012	GUOXIAO GUO	03/21/2012	JIANGUO ZHOU	03/19/2012	SANGHOON CHU	03/01/2012	YOUNG-HOON KIM	03/01/2012	ABHISHEK DHANDA	02/29/2012
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<table border="1"> <tr> <td>Name:</td> <td>WESTERN DIGITAL TECHNOLOGIES, INC.</td> </tr> <tr> <td>Street Address:</td> <td>3355 MICHELSON DRIVE, SUITE 100</td> </tr> <tr> <td>City:</td> <td>IRVINE</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92612</td> </tr> </table>		Name:	WESTERN DIGITAL TECHNOLOGIES, INC.	Street Address:	3355 MICHELSON DRIVE, SUITE 100	City:	IRVINE	State/Country:	CALIFORNIA	Postal Code:	92612				
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13406797</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13406797										
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Application Number:	13406797														
CORRESPONDENCE DATA															
Fax Number:	(949)672-6604														
Phone:	949-672-7871														
Email:	renee.quick@wdc.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
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														
ATTORNEY DOCKET NUMBER:	T5631														

CH \$40.00 13406797

NAME OF SUBMITTER:

Renee M. Quick

Total Attachments: 7

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ASSIGNMENT

Whereas, we, **JIE YU**, a citizen of **People's Republic of China**, residing at **Irvine, California**; **GUOXIAO GUO** a citizen of **Singapore**, residing at **Irvine, California**; **JIANGUO ZHOU**, a citizen of **People's Republic of China**, residing at **Foothill Ranch, California**; **SANGHOON CHU**, a citizen of **Republic of Korea**, residing at **San Jose, California**; **YOUNG-HOON KIM**, a citizen of **Republic of Korea**, residing at **Cupertino, California**; and **ABHISHEK DHANDA**, a citizen of **India**, residing at **San Jose, California**, have invented certain new and useful improvements in **DISK DRIVE DEFINING NON-CIRCULAR DATA TRACKS RELATIVE TO A ROTATION AXIS OF THE DISK** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **February 28, 2012**, Application No. **13/406,797** (hereafter "Application"); and

Whereas, **Western Digital Technologies, Inc.** (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.: T5631

Title of Invention: **DISK DRIVE DEFINING NON-CIRCULAR DATA TRACKS RELATIVE TO A ROTATION AXIS OF THE DISK**


JIE YU

3/21/12
Date

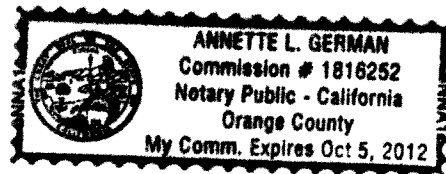
State of California)
County of Orange) ss.

On March 21, 2012, before me, Annette L. German, Notary Public, personally appeared **JIE YU** 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: Annette L. German
Signature of Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: T5631

Title of Invention: **DISK DRIVE DEFINING NON-CIRCULAR DATA TRACKS RELATIVE TO A ROTATION AXIS OF THE DISK**


GUOXIAO GUO

21 March 2012
Date

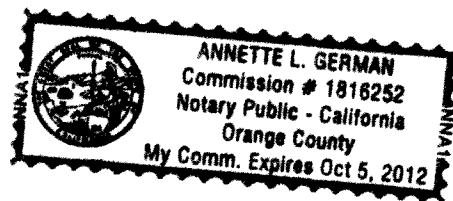
State of California)
) ss.
County of Orange)

On March 21 2012, before me, Annette L. German, Notary Public, personally appeared **GUOXIAO GUO** 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.

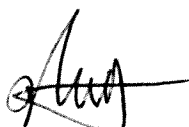
Signature: Annette L. German
Signature of Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: T5631

Title of Invention: **DISK DRIVE DEFINING NON-CIRCULAR DATA TRACKS RELATIVE
TO A ROTATION AXIS OF THE DISK**



JIANGUO ZHOU

3/19/2012
Date

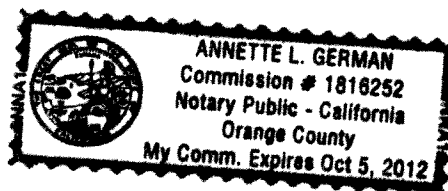
State of California)
) ss.
County of ORANGE)

On March 19, 2012, before me, Annette L. German Notary Public, personally appeared **JIANGUO ZHOU** 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: Annette L. German
Signature of Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: T5631

Title of Invention: **DISK DRIVE DEFINING NON-CIRCULAR DATA TRACKS RELATIVE TO A ROTATION AXIS OF THE DISK**

Sanghoon Chu
SANGHOON CHU

3/1/2012
Date

State of California

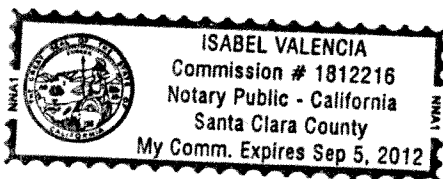
County of Santa Clara) ss.

On March 1, 2012, before me, Isabel Valencia, Notary Public, personally appeared **SANGHOON CHU** 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]
Signature of Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: T5631

Title of Invention: **DISK DRIVE DEFINING NON-CIRCULAR DATA TRACKS RELATIVE TO A ROTATION AXIS OF THE DISK**

YOUNG-HOON KIM

3/1/2012
Date

State of California

County of Santa Clara ss.

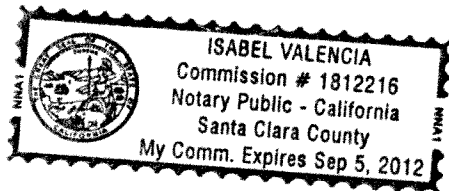
On March 1, 2012, before me, Isabel Valencia, Notary Public, personally appeared **YOUNG-HOON KIM** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~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]

Signature of Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: T5631

Title of Invention: **DISK DRIVE DEFINING NON-CIRCULAR DATA TRACKS RELATIVE TO A ROTATION AXIS OF THE DISK**

ABHISHEK DHANDA
ABHISHEK DHANDA

02/29/2012
Date


State of California)

County of Santa Clara) ss.

On February 29, 2012 before me, Isabel Valencia, Notary Public, personally appeared **ABHISHEK DHANDA** 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

