

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3217591

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BERNHARD E. KNIGGE	02/04/2015
JIAN XU	02/04/2015
ROBERT E. EATON	02/06/2015
ZHEN YE	02/04/2015
RECEIVING PARTY DATA	
Name:	WESTERN DIGITAL TECHNOLOGIES, INC.
Street Address:	3355 MICHELSON DRIVE, SUITE 100
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92612
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14335724
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	949-672-7871
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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:	T7179
NAME OF SUBMITTER:	PAULETTE HALILI
SIGNATURE:	/Paulette Halili/
DATE SIGNED:	02/09/2015
Total Attachments: 5	
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ASSIGNMENT

Whereas, we, **BERNHARD E. KNIGGE**, a citizen of the **United States of America**, residing at **SAN JOSE, California**; **JIAN XU**, a citizen of **China**, residing at **SAN JOSE, California**; **ROBERT E. EATON**, a citizen of the **United States of America**, residing at **SAN JOSE, California**; and **ZHEN YE**, a citizen of **Singapore**, residing at **SINGAPORE, Singapore**, have invented certain new and useful improvements in **DATA STORAGE DEVICE CALIBRATING FLY HEIGHT ACTUATOR BASED ON READ MODE TOUCHDOWN RESISTANCE OF TOUCHDOWN SENSOR** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **July 18, 2014**, Application No. **14/335,724** (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 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.

Title of Invention: DATA STORAGE DEVICE CALIBRATING FLY HEIGHT ACTUATOR
BASED ON READ MODE TOUCHDOWN RESISTANCE OF TOUCHDOWN SENSOR

Bernhard Knigge
BERNHARD E. KNIGGE

2-4-2015
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.

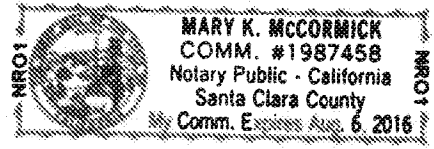
State of California)
County of Santa Clara) ss.

On 2-4-15, before me, Mary K. McCormick, Notary Public, personally appeared **BERNHARD E. KNIGGE** 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.

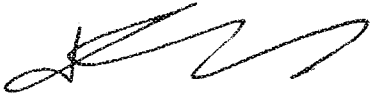
Signature: Mary K. McCormick
Signature of Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: T7179

Title of Invention: DATA STORAGE DEVICE CALIBRATING FLY HEIGHT ACTUATOR
BASED ON READ MODE TOUCHDOWN RESISTANCE OF TOUCHDOWN SENSOR



JIAN XU

02/04/2015

Date

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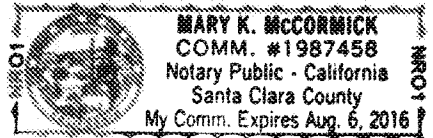
State of California)
County of Santa Clara) ss.

On 2-4-15, before me, Mary K. McCormick, Notary Public, personally appeared JIAN XU 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: Mary K. McCormick
Signature of Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: T7179

Title of Invention: **DATA STORAGE DEVICE CALIBRATING FLY HEIGHT ACTUATOR
BASED ON READ MODE TOUCHDOWN RESISTANCE OF TOUCHDOWN SENSOR**



ROBERT E. EATON

2/6/15
Date

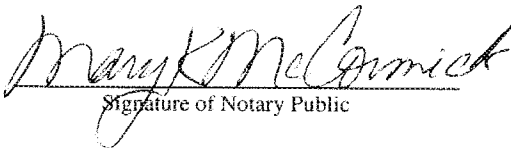
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

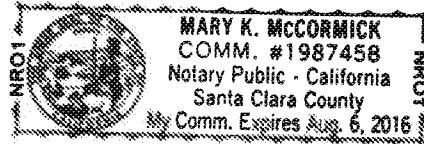
State of California)
County of Santa Clara) ss.

On 2-6-15, before me, Mary K. McCormick, Notary Public, personally appeared **ROBERT E. EATON** 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.

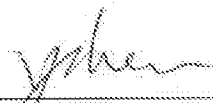
Signature: 
Signature of Notary Public



ASSIGNMENT

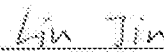
PATENT
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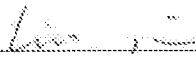


ZHENYE
4 Feb 2015
Date

Witnessed by:




Type/Print 1st Witness Name



1st Witness Signature
4 Feb 2015
Date

ZOU XIAOXIN

Type/Print 2nd Witness Name



2nd Witness Signature
4 Feb 2015
Date