

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZAIHAS AMRI FAHDZAN HASFAR	06/03/2014
CHOO-BHIN ONG	07/08/2014
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<b>City:</b>	IRVINE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92612
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14105696
<b>Application Number:</b>	61897038
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<b>ATTORNEY DOCKET NUMBER:</b>	T6928
<b>NAME OF SUBMITTER:</b>	SANDRA JACKSON
<b>SIGNATURE:</b>	/Sandra Jackson/
<b>DATE SIGNED:</b>	09/22/2014
<b>Total Attachments: 4</b>	
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<b>PATENT</b>	

ASSIGNMENT

Whereas, we, **ZAIHAS AMRI FAHDZAN HASFAR**, a citizen of Malaysia, residing at **Batu Caves, Malaysia**; and **CHOO-BHIN ONG**, a citizen of Malaysia, residing at **Foothill Ranch, California**, have invented certain new and useful improvements in **DATA STORAGE DEVICE STARTUP** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **December 13, 2013**, Application No. **14/105,696** and a provisional application for a United States Patent filed **October 29, 2013**, Application No. **61/897,038** (hereafter "Applications"); 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 Applications.

Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, I, the inventor, do hereby acknowledge that I 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 Applications and all divisions, renewals and continuations thereof, and all applications claiming priority to the Applications, 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 I 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.: T6928

Title of Invention: DATA STORAGE DEVICE STARTUP

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*[Handwritten Signature]*

\_\_\_\_\_  
ZAIHAS AMRI FAHDZAN HASFAR

03 JUNE 2014  
Date

Witnessed by:

*[Handwritten Signature]*

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

*[Handwritten Signature]*

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

03 JULY 2014  
Date

OOI LIANG YEET


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

*[Handwritten Signature]*

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

03 JULY 2014  
Date

Title of Invention: DATA STORAGE DEVICE STARTUP

  
\_\_\_\_\_  
CHOO-BHIN ONG

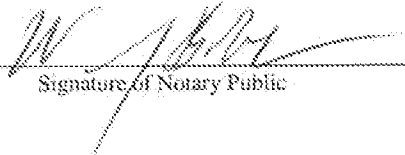
7/8/2014  
Date

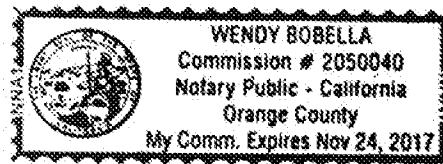
State of California            )  
  ) ss,  
County of Orange            )

On 07/08/2014, before me, Wendy Bobella, Notary Public, personally appeared **CHOO-BHIN ONG** 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



**ACCEPTANCE OF ASSIGNMENT**  
(Patent Application)

Assignee Western Digital Technologies, Inc. ("Assignee") hereby acknowledges that ZAIHAS AMRI FAHDZAN HASFAR and CHOO-BHIN ONG have executed the above assignment concerning a utility (provisional or non-provisional) or design patent application entitled

"DATA STORAGE DEVICE STARTUP"

filed with the U.S. Patent & Trademark Office on December 13, 2013 and assigned serial no. 14/105,696; and

"POWER MANAGEMENT DURING DATA STORAGE DEVICE STARTUP"

filed with the U.S. Patent & Trademark Office on October 29, 2013 and assigned serial no. 61/897,038.

Assignee further acknowledges receipt of the entire right, title and interest in and to the patents and/or patent application(s) listed herein ("Application(s)"), 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 listed Application(s) in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

Signature: \_\_\_\_\_



David Chan, Patent Counsel

Assignee Western Digital Technologies, Inc.

Date: July 29, 2014