

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZHOU YONG	11/02/2015
JIE WAN	10/22/2015
SHUYU CAO	10/22/2015
JIANGHONG DING	10/21/2015
JERN KHANG TAN	11/14/2015
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City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92612
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14582123
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ATTORNEY DOCKET NUMBER:	T7337
NAME OF SUBMITTER:	PAULETTE HALILI
SIGNATURE:	/Paulette Halili/
DATE SIGNED:	11/16/2015
Total Attachments: 6	

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ASSIGNMENT

Whereas, we, **ZHOU YONG**, a citizen of China, residing at **NINGBO, China**; **JIE WAN**, a citizen of China, residing at **SINGAPORE, Singapore**; **SHUYU CAO**, a citizen of Singapore, residing at **SINGAPORE, Singapore**; **JIANGHONG DING**, a citizen of China, residing at **LADERA RANCH, California**; and **JERN KHANG TAN**, a citizen of Malaysia, residing at **MUAR, Malaysia**, have invented certain new and useful improvements in **ELECTRONIC SYSTEM WITH A METHOD OF MOTOR SPINDLE BANDWIDTH ESTIMATION AND CALIBRATION THEREOF** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **December 23, 2014**, Application No. **14/582,123** (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.

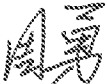
Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives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

ASSIGNMENT

PATENT
Atty. Docket No.: T7337

Title of Invention: ELECTRONIC SYSTEM WITH A METHOD OF MOTOR SPINDLE
BANDWIDTH ESTIMATION AND CALIBRATION THEREOF



ZHOU YONG

2015-11-2

Date

Witnessed by:



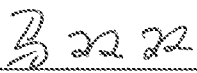
Type/Print 1st Witness Name



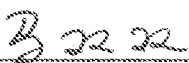
1st Witness Signature

2015.11.2

Date



Type/Print 2nd Witness Name



2nd Witness Signature

2015.11.2

Date

ASSIGNMENT

PATENT
Atty. Docket No.: T7337

Title of Invention: ELECTRONIC SYSTEM WITH A METHOD OF MOTOR SPINDLE
BANDWIDTH ESTIMATION AND CALIBRATION THEREOF

曹汝超 Shuyu
SHUYU CAO

22/10/2015
Date

Witnessed by:

JIN TAO
Type/Print 1st Witness Name

J P
1st Witness Signature


22/10/2015
Date

HAN JI WEI
Type/Print 2nd Witness Name

HAN JI WEI
2nd Witness Signature

22/10/2015
Date

Title of Invention: **ELECTRONIC SYSTEM WITH A METHOD OF MOTOR SPINDLE
BANDWIDTH ESTIMATION AND CALIBRATION THEREOF**



JERN KHANG TAN

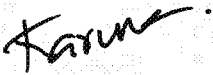
14 NOV 2015

Date

Witnessed by:

KARUNA MAHAWAN

Type/Print 1st Witness Name




1st Witness Signature

Nov. 14' 2015

Date

Suchinda Paesanthia

Type/Print 2nd Witness Name



2nd Witness Signature

Nov. 14' 2015

Date