PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHUN SEI TSAI	01/30/2015
CARL E. BARLOW	01/30/2015
THAO HIEU BANH	09/11/2014

RECEIVING PARTY DATA

Name:	WESTERN DIGITAL TECHNOLOGIES, INC.
Street Address:	3355 MICHELSON DRIVE, STE. 100
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92612

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14307345
Application Number:	61992405

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	T7250
NAME OF SUBMITTER:	TANYA JOSEPHS
SIGNATURE:	/Tanya Josephs/
DATE SIGNED:	02/03/2015

Total Attachments: 4

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> PATENT REEL: 034873 FRAME: 0966

Atty. Docket No.: T7250

ASSIGNMENT

Whereas, we, CHUN SEI TSAI, a citizen of The United States of America, residing at TUSTIN, California; CARL E. BARLOW, a citizen of United States of America, residing at LAKE FOREST, California; and THAO HIEU BANH, a citizen of United States of America, residing at LAKE FOREST, California, have invented certain new and useful improvements in ELECTRONIC SYSTEM WITH DATA MANAGEMENT MECHANISM AND METHOD OF OPERATION THEREOF (hereafter "Improvements") for which we have executed an application for a United States Patent filed June 17, 2014, Application No. 14/307,345 and a provisional application for a United States Patent filed May 13, 2014, Application No. 61/992,405 (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.

Title of Invention: ELECTRONIC SYSTEM WITH DATA MANAGEMENT MECHANISM AND METHOD OF OPERATION THEREOF
1/30/2615 CHUN SEI TSAI 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 Orange On
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 WENDY SOBELLA Commission # 2050040 Notary Public - California Qrange County Str Commission # 24, 2817

Title of Invention: ELECTRONIC SYSTEM WITH DATA MANAGEMENT MECHANISM AND METHOD OF OPERATION THEREOF
CARL E. BARLOW 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 , before me, , so 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
WITNESS my hand and official seal. Signature: Signature of Notary Public Signature Notary Public Signature Nov 24, 2017

Atty. Docket No.: T7250

Title of Invention: ELECT AND METHOD OF OPERAT	RONIC SYSTEM WI ION THEREOF	TH DATA MANAGEMEN	NT MECHANISM
THAO HIEU BANH	Date	9-11-2014	
State of California)) ss.		
County of Orange)		
On <u>09/1/2014</u> , 1	before me,	da Bobello	Notary Public
personally appeared I HAU H	LEU BAINH who proved	to me on the basis of satisfac	tory avidance to be
the person(s) whose name(s) is/ he/she/they executed the same signature(s) on the instrument to executed the instrument.	in his/her/their autho	rized capacity(ies) and the	at by his/har/thair
I certify under PENALTY OF F paragraph is true and correct.	PERJURY under the law	vs of the State of California	that the foregoing
WITNESS my hand and official s	eal.		
Signature: Signature of Nota	ry Public	Commission Notary Pub Orang	Y BOBELLA on # 2050040 olic - California ge County oires Nov 24, 2017

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