

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| TIMOTHY A. FERRIS | 10/02/2017 |
| JAESOO BYOUN | 10/02/2017 |
| RECEIVING PARTY DATA | |
| Name: | WESTERN DIGITAL TECHNOLOGIES, INC. |
| Street Address: | 5601 GREAT OAKS PARKWAY |
| City: | SAN JOSE |
| State/Country: | CALIFORNIA |
| Postal Code: | 95119 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15723558 |
| 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> | |
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| Correspondent Name: | WESTERN DIGITAL TECHNOLOGIES, INC. |
| Address Line 1: | 5601 GREAT OAKS PARKWAY |
| Address Line 4: | SAN JOSE, CALIFORNIA 95119 |
| ATTORNEY DOCKET NUMBER: | WDA-3439-US |
| NAME OF SUBMITTER: | HOWARD H. SHEERIN |
| SIGNATURE: | /Howard H. Sheerin/ |
| DATE SIGNED: | 10/03/2017 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |
| Total Attachments: 3 | |
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| source=WDA-3439-US_AssignmentSigned#page2.tif | |
| source=WDA-3439-US_AssignmentSigned#page3.tif | |

ASSIGNMENT

Whereas, we, **TIMOTHY A. FERRIS**, a citizen of the **United States of America**, residing at **MISSION VIEJO, California**; and **JAESOO BYOUN**, a citizen of **South Korea**, residing at **IRVINE, California**, have invented certain new and useful improvements in **CURRENT BALANCING CIRCUIT FOR MULTIPLE SUPPLY VOLTAGE SYSTEMS** (hereafter "Improvements") for which we have executed an application for a United States Patent (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.: WDA-3439-US

Title of Invention: **CURRENT BALANCING CIRCUIT FOR MULTIPLE SUPPLY VOLTAGE SYSTEMS**

The parties agree that this agreement may be electronically signed. The parties agree that electronic signatures appearing on this agreement are the same as handwritten signatures for the purposes of validity, enforcement and admissibility.

Timothy A Ferris
Timothy A Ferris [Oct 2, 2017]

TIMOTHY A. FERRIS

Oct 2, 2017

Date


ASSIGNMENT

PATENT

Atty. Docket No.: WDA-3439-US

Title of Invention: **CURRENT BALANCING CIRCUIT FOR MULTIPLE SUPPLY VOLTAGE SYSTEMS**

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Jaesoo Byoun (Oct 2, 2017)

JAESOO BYOUN

Oct 2, 2017

Date