**PATENT ASSIGNMENT COVER SHEET**

**SUBMISSION TYPE:** NEW ASSIGNMENT  
**NATURE OF CONVEYANCE:** ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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</thead>
<tbody>
<tr>
<td>JOSEPH A. PERLAS</td>
<td>11/06/2012</td>
</tr>
<tr>
<td>JAMBUNATHAN VANGAL-RAMAMURTHY</td>
<td>11/06/2012</td>
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### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Name</td>
<td>WESTERN DIGITAL TECHNOLOGIES, INC.</td>
</tr>
<tr>
<td>Street Address</td>
<td>3355 MICHELSON DRIVE, SUITE 100</td>
</tr>
<tr>
<td>City</td>
<td>IRVINE</td>
</tr>
<tr>
<td>State/Country</td>
<td>CALIFORNIA</td>
</tr>
<tr>
<td>Postal Code</td>
<td>92612</td>
</tr>
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### PROPERTY NUMBERS Total: 1

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<tr>
<th>Property Type</th>
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<tr>
<td>Application Number</td>
<td>14316377</td>
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### CORRESPONDENCE DATA

Fax Number: (949)672-6604  
*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.*  
Phone: 949-672-7871  
Email: paulette.halili@wdc.com  
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:** T6043.D1  
**NAME OF SUBMITTER:** PAULETTE HALILI  
**SIGNATURE:** /Paulette Halili/  
**DATE SIGNED:** 05/28/2015

Total Attachments: 3  
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ASSIGNMENT

Whereas, we, JOSEPH A. PERLAS, a citizen of the United States of America, residing at San Jose, California; and JAMBUNATHAN VANGAL-RAMAMURTHY, a citizen of India, residing at San Jose, California, have invented certain new and useful improvements in METHOD OF IMBALANCE CORRECTION USING A GROOVED DISK CLAMP (hereafter “Improvements”) for which we have executed an application for a United States Patent filed HEREWITH. Application No. UNKNOWN (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 me 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

Title of Invention: METHOD OF IMBALANCE CORRECTION USING A GROOVED DISK CLAMP

JOSEPH A. PERLAS

Date

State of California )
County of Santa Clara ) ss.

On November 6, 2012, before me, Isabel Valencia, Notary Public, personally appeared JOSEPH A. PERLAS 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]

ISABEL VALENCE
Commission # 1987500
Notary Public - California
Santa Clara County
My Comm. Expires Sep 5, 2016
ASSIGNMENT

Title of Invention: METHOD OF IMBALANCE CORRECTION USING A GROOVED DISK CLAMP

JAMBUNATHAN VANGAL-RAMAMURTHY

Nov 6th 2012

Date

State of California )

Santa Clara ) ss.

County of

On November 6, 2012 before me, Isabella Valencia, Notary Public, personally appeared JAMBUNATHAN VANGAL-RAMAMURTHY 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 their/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

ISABEL VALENCIA
Commission # 1987500
Notary Public - California
Santa Clara County
My Comm. Expires Sep 5, 2016