

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>EDWIN S. OLDS</td> <td>11/14/2012</td> </tr> <tr> <td>SALMAN A. NAWAZ</td> <td>11/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	EDWIN S. OLDS	11/14/2012	SALMAN A. NAWAZ	11/14/2012				
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<table border="1"> <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> </table>		Name:	WESTERN DIGITAL TECHNOLOGIES, INC.	Street Address:	3355 MICHELSON DRIVE, SUITE 100	City:	IRVINE	State/Country:	CALIFORNIA	Postal Code:	92612
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 9496726604 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 949-672-6148 Email: kristen.truong@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</p>											
ATTORNEY DOCKET NUMBER:	T6056										
NAME OF SUBMITTER:	David H. Chan										
<p>Total Attachments: 3 source=T6056_Assignment_EFS#page1.tif source=T6056_Assignment_EFS#page2.tif source=T6056_Assignment_EFS#page3.tif</p>											

CH \$40.00 13677136

ASSIGNMENT

Whereas, we, **EDWIN S. OLDS**, a citizen of **the United States of America**, residing at **Fort Collins, Colorado**; and **SALMAN A. NAWAZ**, a citizen of **the United States of America**, residing at **Trabuco Canyon, California**, have invented certain new and useful improvements in **DISK DRIVE MODIFYING ROTATIONAL POSITION OPTIMIZATION ALGORITHM TO ACHIEVE TARGET PERFORMANCE FOR LIMITED STROKE** (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

PATENT
Atty. Docket No.: T6056

Title of Invention: **DISK DRIVE MODIFYING ROTATIONAL POSITION OPTIMIZATION
ALGORITHM TO ACHIEVE TARGET PERFORMANCE FOR LIMITED STROKE**

Edwin S. Olds
EDWIN S. OLDS

11-14-2012
Date

State of Colorado)
County of Boulder) ss.

On 11/14/12, before me, Jaleen Hooper, Notary Public, personally appeared **EDWIN S. OLDS** 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 Colorado that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

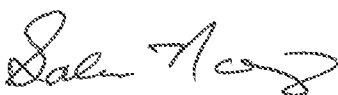
Signature: Jaleen Hooper
Signature of Notary Public

Jaleen Hooper
Notary Public
State of Colorado
My Commission Expires 07/29/2014

ASSIGNMENT

PATENT
Atty. Docket No.: T6056

Title of Invention: **DISK DRIVE MODIFYING ROTATIONAL POSITION OPTIMIZATION
ALGORITHM TO ACHIEVE TARGET PERFORMANCE FOR LIMITED STROKE**



SALMAN A. NAWAZ

4/14/2012

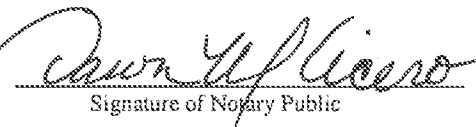
Date

State of California)
) ss.
County of Orange)

On Nov. 14, 2012, before me, Dawn M. Cicero, Notary Public, personally appeared SALMAN A. NAWAZ 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

