

## 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>STEVEN C. RUDY</td> <td>09/24/2012</td> </tr> <tr> <td>MAHENDRA PAKALA</td> <td>09/27/2012</td> </tr> <tr> <td>PRAKASH MANI</td> <td>09/21/2012</td> </tr> <tr> <td>ERIC R. MCKIE</td> <td>09/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	STEVEN C. RUDY	09/24/2012	MAHENDRA PAKALA	09/27/2012	PRAKASH MANI	09/21/2012	ERIC R. MCKIE	09/28/2012
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RECEIVING PARTY DATA											
Name:	WESTERN DIGITAL (FREMONT), LLC										
Street Address:	44100 OSGOOD ROAD										
City:	FREMONT										
State/Country:	CALIFORNIA										
Postal Code:	94539										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13631802</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13631802						
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Application Number:	13631802										
CORRESPONDENCE DATA											
Fax Number:	9496726604										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Correspondent Name:	WESTERN DIGITAL										
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ATTORNEY DOCKET NUMBER:	F5973										
NAME OF SUBMITTER:	Joshua M. Nelson										
Total Attachments: 5											

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ASSIGNMENT

Whereas, we, STEVEN C. RUDY, a citizen of the United States of America, residing at San Jose, California; MAHENDRA PAKALA, a citizen of the United States of America, residing at Fremont, California; PRAKASH MANI, a citizen of India, residing at Fremont, California; and ERIC R. MCKIE, a citizen of the United Kingdom, residing at Pleasanton, California, have invented certain new and useful improvements in SYSTEMS AND METHODS FOR SHAPING LEADS OF ELECTRONIC LAPPING GUIDES TO REDUCE CALIBRATION ERROR (hereafter "Improvements") for which we have executed an application for a United States Patent filed September 28, 2012, Application No. 13/631,802 (hereafter "Application"); and

Whereas, Western Digital (Fremont), LLC (hereafter "Assignee"), a Delaware limited liability company, 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.: F5973

Title of Invention: SYSTEMS AND METHODS FOR SHAPING LEADS OF ELECTRONIC  
LAPPING GUIDES TO REDUCE CALIBRATION ERROR

*Steven C. Rudy*  
STEVEN C. RUDY

9/24/2012  
Date

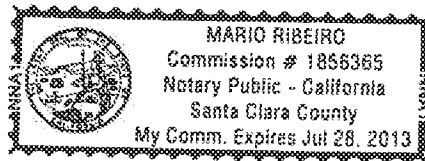
State of California            )  
  ) ss.  
County of ALAMUDA        )

On 09/24/12, before me, MARIO RIBEIRO, Notary Public, personally appeared STEVEN C. RUDY 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: *Mario Ribeiro*  
Signature of Notary Public



ASSIGNMENT

PATENT  
Atty. Docket No.: F5973

Title of Invention: SYSTEMS AND METHODS FOR SHAPING LEADS OF ELECTRONIC  
LAPPING GUIDES TO REDUCE CALIBRATION ERROR

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MAHENDRA PAKALA

9-27-12  
Date

State of California            )  
  ) ss.  
County of                        )

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally  
appeared MAHENDRA PAKALA 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

ASSIGNMENT

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Atty. Docket No.: F5973

Title of Invention: SYSTEMS AND METHODS FOR SHAPING LEADS OF ELECTRONIC  
LAPPING GUIDES TO REDUCE CALIBRATION ERROR

M. Prakash  
PRAKASH MANI

9/21/2012  
Date

State of California )  
County of Santa Clara ) ss.

On 09/21/12 before me, Hazel Pilipina C. Escobedo, Notary Public, personally appeared PRAKASH MANI 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: [Handwritten Signature]  
Signature of Notary Public

