

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>JAMES N. MALINA</td> <td>11/09/2012</td> </tr> <tr> <td>DAVID M. HAMILTON</td> <td>11/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	JAMES N. MALINA	11/09/2012	DAVID M. HAMILTON	11/07/2012
Name	Execution Date						
JAMES N. MALINA	11/09/2012						
DAVID M. HAMILTON	11/07/2012						
RECEIVING PARTY DATA							
Name:	WESTERN DIGITAL TECHNOLOGIES, INC.						
Street Address:	3355 MICHELSON DRIVE, SUITE 100						
City:	IRVINE						
State/Country:	CALIFORNIA						
Postal Code:	92612						
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>13673956</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13673956		
Property Type	Number						
Application Number:	13673956						
CORRESPONDENCE DATA							
Fax Number:	9496726604						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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						
ATTORNEY DOCKET NUMBER:	T5464						
NAME OF SUBMITTER:	David H. Chan						
<p>Total Attachments: 3 source=T5464_Assignment_EFS#page1.tif source=T5464_Assignment_EFS#page2.tif source=T5464_Assignment_EFS#page3.tif</p>							

CH \$40.00 13673956

ASSIGNMENT

Whereas, we, JAMES N. MALINA, a citizen of the United States of America, residing at Irvine, California; and DAVID M. HAMILTON, a citizen of the United States of America, residing at Trabuco Canyon, California, have invented certain new and useful improvements in DATA MANAGEMENT FOR A STORAGE DEVICE (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.

