

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>DAISUKE MASUDA</td> <td>10/18/2011</td> </tr> <tr> <td>CHIYO SAITO</td> <td>10/18/2011</td> </tr> <tr> <td>IWAO OKAMOTO</td> <td>10/17/2011</td> </tr> <tr> <td>JUNICHI HORIKAWA</td> <td>10/31/2011</td> </tr> </tbody> </table>		Name	Execution Date	DAISUKE MASUDA	10/18/2011	CHIYO SAITO	10/18/2011	IWAO OKAMOTO	10/17/2011	JUNICHI HORIKAWA	10/31/2011		
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CORRESPONDENCE DATA													
Fax Number: (949)672-6604 Phone: 949-672-6654 Email: lesley.ning@wdc.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: WESTERN DIGITAL Address Line 1: ATTN: INTELLECTUAL PROPERTY DEPT. Address Line 2: 3355 Michelson Drive, Suite 100 Address Line 4: Irvine, CALIFORNIA 92692													
ATTORNEY DOCKET NUMBER:	M5007.JP.US												
NAME OF SUBMITTER:	Lesley Ning												

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Total Attachments: 5

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ASSIGNMENT

Whereas, we, **Daisuke Masuda**, a citizen of **Japan**, residing at **Tokyo, Japan**; **Chiyo Saito** a citizen of **Japan**, residing at **Tokyo, Japan**; **Iwao Okamoto**, a citizen of **Japan**, residing at **Singapore, Singapore**; and **Junichi Horikawa**, a citizen of **Japan**, residing at **Tokyo, Japan**, have invented certain new and useful improvements in **PERPENDICULAR MAGNETIC RECORDING MEDIA AND MAGNETIC DISC APPARATUS** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **June 15, 2011**, Application No. **13/161,394** (hereafter "Application"); and

Whereas, **WD Media (Singapore) Pte. Ltd.** (hereafter "Assignee") 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.: M5007JPUS

Title of Invention: **PERPENDICULAR MAGNETIC RECORDING MEDIA AND MAGNETIC DISC APPARATUS**

Daisuke Masuda
Daisuke Masuda

18.10.2011
Date

Witnessed by:

Masaki Uemura
Type/Print 1st Witness Name

上村 正樹
1st Witness Signature

Oct-18, 2011
Date

Yuuichi Ootani
Type/Print 2nd Witness Name

大谷 祐一
2nd Witness Signature

Oct-18, 2011
Date

ASSIGNMENT

PATENT
Atty. Docket No.: M5007JPUS

Title of Invention: PERPENDICULAR MAGNETIC RECORDING MEDIA AND MAGNETIC
DISC APPARATUS

Chiyo Saito
Chiyo Saito

18. 10. 2011
Date

Witnessed by:

Masaki Uemura
Type/Print 1st Witness Name

上村 正樹
1st Witness Signature

Oct-18, 2011
Date

Yuichi Ootani
Type/Print 2nd Witness Name

大谷 祐一
2nd Witness Signature

Oct-18, 2011
Date

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PATENT
Atty. Docket No.: M5007JPUS

Title of Invention: PERPENDICULAR MAGNETIC RECORDING MEDIA AND MAGNETIC
DISC APPARATUS

Iwao Okamoto
Iwao Okamoto

Oct 17, 2011
Date

Witnessed by:

Ge Xu
Type/Print 1st Witness Name

Jeram
1st Witness Signature

Oct 17, 2011
Date

ROBERT D. HEMPSTEAD
Type/Print 2nd Witness Name

Robert D Hempstead
2nd Witness Signature

Oct 17, 2011
Date

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PATENT
Atty. Docket No.: M5007JPUS

Title of Invention: **PERPENDICULAR MAGNETIC RECORDING MEDIA AND MAGNETIC DISC APPARATUS**

Junichi Horikawa
Junichi Horikawa

October 31, 2011
Date

Witnessed by:

Masaki Uemura
Type/Print 1st Witness Name

上村 正樹
1st Witness Signature

Oct-31, 2011
Date

Yuuichi Ootani
Type/Print 2nd Witness Name

大谷 祐一
2nd Witness Signature

Oct-31, 2011
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