

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Xiaoping Bian</td> <td>11/05/2009</td> </tr> <tr> <td>Jack Jyh-Kau Chang</td> <td>11/04/2009</td> </tr> <tr> <td>Zhupei Shi</td> <td>11/03/2009</td> </tr> </tbody> </table>		Name	Execution Date	Xiaoping Bian	11/05/2009	Jack Jyh-Kau Chang	11/04/2009	Zhupei Shi	11/03/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Hitachi Global Storage Technologies Netherlands B.V.</td> </tr> <tr> <td>Street Address:</td> <td>Locatellikade 1</td> </tr> <tr> <td>Internal Address:</td> <td>Parnassustoren</td> </tr> <tr> <td>City:</td> <td>1076 AZ Amsterdam</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> </table>		Name:	Hitachi Global Storage Technologies Netherlands B.V.	Street Address:	Locatellikade 1	Internal Address:	Parnassustoren	City:	1076 AZ Amsterdam	State/Country:	NETHERLANDS
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CORRESPONDENCE DATA											
<p>Fax Number: (303)786-7691 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 303-786-7687 Email: mnguyen@dbflaw.com</p> <p>Correspondent Name: Brett Bornsen Address Line 1: 1526 SPRUCE STREET Address Line 2: SUITE 302 Address Line 4: BOULDER, COLORADO 80302</p>											
ATTORNEY DOCKET NUMBER:	HSJ920090040US1										
NAME OF SUBMITTER:	Brett Bornsen										
Total Attachments: 1 source=34010-093Assignment#page1.tif											

CH \$40.00 12614598

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PATENT
 REEL: 023491 FRAME: 0255

ASSIGNMENT FOR PATENT APPLICATION


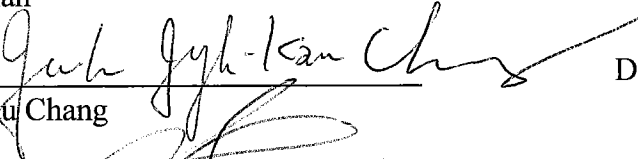

Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

PERPENDICULAR MAGNETIC RECORDING MEDIA HAVING A DUAL ONSET LAYER

Whereas, **Hitachi Global Storage Technologies Netherlands B.V.**, having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands (hereinafter referred to as "HITACHI"), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby sell, assign, and transfer to HITACHI, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HITACHI, its successors and assigns; and we hereby agree that HITACHI may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HITACHI.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature:  Date: 11/05/09
Xiaoping Bian
- 2) Signature:  Date: 11/04/2009
Jack Jyh-Kau Chang
- 3) Signature:  Date: 11/03/2009
Zhupei Shi