

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>YINGJIAN CHEN</td> <td>12/07/2009</td> </tr> <tr> <td>LIUBO HONG</td> <td>12/07/2009</td> </tr> </tbody> </table>		Name	Execution Date	YINGJIAN CHEN	12/07/2009	LIUBO HONG	12/07/2009		
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RECEIVING PARTY DATA									
<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, 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, Parnassustoren	City:	1076 AZ Amsterdam	State/Country:	NETHERLANDS
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PROPERTY NUMBERS Total: 1									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12634514</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12634514				
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Application Number:	12634514								
CORRESPONDENCE DATA									
<p>Fax Number: (713)623-4846</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 713-623-4844</p> <p>Email: tthomas@pattersonsheridan.com</p> <p>Correspondent Name: PATTERSON & SHERIDAN, L.L.P.</p> <p>Address Line 1: 3040 POST OAK BLVD.</p> <p>Address Line 2: SUITE 1500</p> <p>Address Line 4: HOUSTON, TEXAS 77056</p>									
ATTORNEY DOCKET NUMBER:	HSJ920090028US1								
NAME OF SUBMITTER:	Gero G. McClellan								
<p>Total Attachments: 1</p> <p>source=Assignment#page 1.tif</p>									

CH \$40.00 12634514

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PATENT
REEL: 023631 FRAME: 0017

ASSIGNMENT FOR PATENT APPLICATION

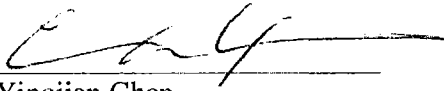
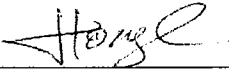
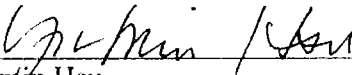
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

PMR WRITER AND METHOD OF FABRICATION

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: 12/7/09
Typed Name: Yingjian Chen
- 2) Signature:  Date: 12/7/09
Typed Name: Liubo Hong
- 3) Signature:  Date: 12-7-2009
Typed Name: Yinmin Hsu