

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>Shanlin Duan</td><td>07/23/2008</td></tr><tr><td>Jizhong He</td><td>07/28/2008</td></tr><tr><td>John Stephen Hopkins</td><td>07/28/2008</td></tr><tr><td>Yansheng Luo</td><td>07/21/2008</td></tr></tbody></table>	Name	Execution Date	Shanlin Duan	07/23/2008	Jizhong He	07/28/2008	John Stephen Hopkins	07/28/2008	Yansheng Luo	07/21/2008	
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Jizhong He	07/28/2008										
John Stephen Hopkins	07/28/2008										
Yansheng Luo	07/21/2008										
RECEIVING PARTY DATA											
Name:	Hitachi Global Storage Technologies Netherlands BV										
Street Address:	Locatellikade 1										
Internal Address:	Parnassustoren										
City:	1076 AZ Amsterdam										
State/Country:	NETHERLANDS										
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>12184300</td></tr></tbody></table>	Property Type	Number	Application Number:	12184300							
Property Type	Number										
Application Number:	12184300										
CORRESPONDENCE DATA											
Fax Number:	(512)472-9123										
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Total Attachments: 2 source=Assignment#page1.tif											

CH \$40.00 12184300

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PATENT
REEL: 021326 FRAME: 0902

ASSIGNMENT FOR PATENT APPLICATION



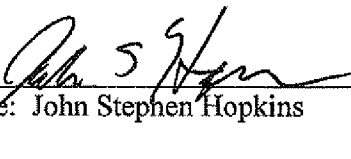
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

SYSTEM, METHOD AND APPARATUS FOR DIRECT HEAD-DISK CLEARANCE MEASUREMENT BY SLIDER VIBRATION AND FLY HEIGHT CALIBRATION

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: 7/23/08
Typed Name: Shanlin Duan
- 2) Signature:  Date: 7/28/08
Typed Name: Jizhong He
- 3) Signature:  Date: 7/28/08
Typed Name: John Stephen Hopkins
- 4) Signature: _____ Date: _____
Typed Name: Yansheng Luo

ASSIGNMENT FOR PATENT APPLICATION

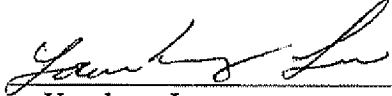
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