

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takenori Atsumi</td> <td>03/04/2010</td> </tr> <tr> <td>Irizo Naniwa</td> <td>02/26/2010</td> </tr> <tr> <td>Toshiya Shiramatsu</td> <td>02/19/2010</td> </tr> <tr> <td>Masayuki Kurita</td> <td>02/19/2010</td> </tr> </tbody> </table>		Name	Execution Date	Takenori Atsumi	03/04/2010	Irizo Naniwa	02/26/2010	Toshiya Shiramatsu	02/19/2010	Masayuki Kurita	02/19/2010
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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, Parnassustoren</td> </tr> <tr> <td>City:</td> <td>Amsterdam</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> <tr> <td>Postal Code:</td> <td>1076 AZ</td> </tr> </table>		Name:	Hitachi Global Storage Technologies, Netherlands, B.V.	Street Address:	Locatellikade 1, Parnassustoren	City:	Amsterdam	State/Country:	NETHERLANDS	Postal Code:	1076 AZ
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CORRESPONDENCE DATA											
Fax Number: (831)722-2350 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 4083770500 Email: bdinapoli@wagnerblecher.com Correspondent Name: Hitachi C/O Wagner Blecher LLP Address Line 1: 123 Westridge Dr Address Line 4: Watsonville, CALIFORNIA 95076											
ATTORNEY DOCKET NUMBER:	HJP920080067US1										
NAME OF SUBMITTER:	Amber Grewer										
Total Attachments: 2 source=HJP920080067US1_Assignment#page1.tif											

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PATENT
REEL: 025556 FRAME: 0094

ASSIGNMENT FOR PATENT APPLICATION

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

**HARD-DISK DRIVE INCLUDING FLY-HEIGHT-ADJUSTMENT HEATING ELEMENT
AND POSITION-ADJUSTMENT HEATING ELEMENT AND METHOD OF
CONTROLLING FLY HEIGHT**

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: Takenori Atsumi Date: March 4, 2010
Typed Name: Takenori ATSUMI
- 2) Signature: _____ Date: _____
Typed Name: Irizo NANIWA
- 3) Signature: _____ Date: _____
Typed Name: Toshiya SHIRAMATSU
- 4) Signature: _____ Date: _____
Typed Name: Masayuki KURITA

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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: _____
Typed Name: Takenori ATSUMI
- 2) Signature: *Irizo Naniwa* Date: Feb. 26 / 2010
Typed Name: Irizo NANIWA
- 3) Signature: *Toshiya Shiramatsu* Date: Feb. 19 / 2010
Typed Name: Toshiya SHIRAMATSU
- 4) Signature: *Masayuki Kurita* Date: Feb. 19 / 2010
Typed Name: Masayuki KURITA