

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Masafumi Mochizuki</td><td>03/14/2008</td></tr><tr><td>Yukiya Shimizu</td><td>03/14/2008</td></tr><tr><td>Shuki Nishida</td><td>03/14/2008</td></tr></tbody></table> | Name                                                 | Execution Date | Masafumi Mochizuki  | 03/14/2008 | Yukiya Shimizu | 03/14/2008 | Shuki Nishida | 03/14/2008 |  |
| Name                                                                                                                                                                                                                                                              | Execution Date                                       |                |                     |            |                |            |               |            |  |
| Masafumi Mochizuki                                                                                                                                                                                                                                                | 03/14/2008                                           |                |                     |            |                |            |               |            |  |
| Yukiya Shimizu                                                                                                                                                                                                                                                    | 03/14/2008                                           |                |                     |            |                |            |               |            |  |
| Shuki Nishida                                                                                                                                                                                                                                                     | 03/14/2008                                           |                |                     |            |                |            |               |            |  |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                              |                                                      |                |                     |            |                |            |               |            |  |
| Name:                                                                                                                                                                                                                                                             | Hitachi Global Storage Technologies Netherlands B.V. |                |                     |            |                |            |               |            |  |
| Street Address:                                                                                                                                                                                                                                                   | Locatellikade 1, 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>12008276</td></tr></tbody></table>                                                                                                      | Property Type                                        | Number         | Application Number: | 12008276   |                |            |               |            |  |
| Property Type                                                                                                                                                                                                                                                     | Number                                               |                |                     |            |                |            |               |            |  |
| Application Number:                                                                                                                                                                                                                                               | 12008276                                             |                |                     |            |                |            |               |            |  |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                               |                                                      |                |                     |            |                |            |               |            |  |
| Fax Number:                                                                                                                                                                                                                                                       | (415)576-0300                                        |                |                     |            |                |            |               |            |  |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>                                                                                                                                                                              |                                                      |                |                     |            |                |            |               |            |  |
| Phone:                                                                                                                                                                                                                                                            | (650) 326-2400                                       |                |                     |            |                |            |               |            |  |
| Email:                                                                                                                                                                                                                                                            | srbrown@townsend.com                                 |                |                     |            |                |            |               |            |  |
| Correspondent Name:                                                                                                                                                                                                                                               | Townsend and Townsend and Crew LLP                   |                |                     |            |                |            |               |            |  |
| Address Line 1:                                                                                                                                                                                                                                                   | Two Embarcadero Center, Eighth Floor                 |                |                     |            |                |            |               |            |  |
| Address Line 4:                                                                                                                                                                                                                                                   | San Francisco, CALIFORNIA 94111-3834                 |                |                     |            |                |            |               |            |  |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                           | 16869Q-220200US                                      |                |                     |            |                |            |               |            |  |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                | Kent J. Tobin                                        |                |                     |            |                |            |               |            |  |
| Total Attachments: 2                                                                                                                                                                                                                                              |                                                      |                |                     |            |                |            |               |            |  |
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| source=16869Q-220200US_assignment_042808#page2.tif                                                                                                                                                                                                                |                                                      |                |                     |            |                |            |               |            |  |

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PATENT  
REEL: 020865 FRAME: 0676

**ASSIGNMENT OF PATENT APPLICATION**

**JOINT**

WHEREAS, Masafumi Mochizuki of 4-9-3 Honson, Chigasaki-shi, Kanagawa-ken, 253-0042 Japan; Yukiya Shimizu of 1-8-11-507 Nishisakawa, Odawara, Kanagawa, 256-0817 Japan; and Shuji Nishida of 880-207 Tajima, Odawara-shi, Kanagawa, 256-0811 Japan, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:       **MAGNETIC DISK DRIVE**

Date(s) of execution of Declaration:

Filing Date:               January 9, 2008

Application No.:       12/008,276; and

WHEREAS, Hitachi Global Storage Technologies Netherlands B.V., a corporation of Japan, located at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 3/14/2008

Masafumi Mochizuki  
Masafumi Mochizuki

Dated: 3/14/2008

Yukiya Shimizu  
Yukiya Shimizu

Dated: 3/14/2008

Shuji Nishida  
Shuji Nishida

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