

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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Satoshi Hayakawa</td> <td>03/05/2007</td> </tr> <tr> <td>Masakazu Sasaki</td> <td>03/05/2007</td> </tr> <tr> <td>Kohichi Takeuchi</td> <td>03/12/2007</td> </tr> <tr> <td>Jun Ishikawa</td> <td>03/05/2007</td> </tr> </tbody> </table>		Name	Execution Date	Satoshi Hayakawa	03/05/2007	Masakazu Sasaki	03/05/2007	Kohichi Takeuchi	03/12/2007	Jun Ishikawa	03/05/2007
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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>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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CORRESPONDENCE DATA											
<p>Fax Number: (415)576-0300 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>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</p>											
ATTORNEY DOCKET NUMBER:	16869Q-198200US										
NAME OF SUBMITTER:	Kent J. Tobin										
<p>Total Attachments: 2 source=16869Q-198200US Assignment#page1.tif source=16869Q-198200US Assignment#page2.tif</p>											

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PATENT
 REEL: 023020 FRAME: 0959

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Satoshi Hayakawa of 6247-9 B102 Izumi-cho, Izumi-ku, Yokohama-shi, Kanagawa, 247-0007 Japan; Masakazu Sasaki of 1-12-6 Chuo-runkan, Yamato-shi, Kanagawa, 247-0007 Japan; Kohichi Takeuchi of 2-5-12-511 Shimo-tsuruma, Yamato-shi, Kanagawa, 242-0001 Japan; and Jun Ishikawa of 32-4-503 Sumiregaoka, Tsuzuki-ku, Yokohama-shi, Kanagawa, 244-0013 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: DISK DRIVE AND DISK DRIVE CONTROL METHOD

Date(s) of execution of Declaration:

Filing Date: December 21, 2006

Application No.: 11/645,251; 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.

Assignment

Attorney Docket No.: 16869Q-198200US

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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: 05/Mar/'07

早川 賢
Satoshi Hayakawa

Dated: 05/Mar/'07

佐々木 正和
Masakazu Sasaki

Dated: 12/Mar/'07

竹内 晃一
Kohichi Takeuchi

Dated: 05/Mar/'07

石川 淳
Jun Ishikawa

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