

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yoshiaki Uji	01/21/2008
Minoru Shimada	01/22/2008
Ryoh Miura	01/29/2008
Takahiro Wolfson	01/23/2008
Toyomi Ohsawa	01/24/2008
Noriaki Satoh	01/27/2008
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	
Property Type	Number
Application Number:	12012340
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Email:	srbrown@townsend.com
Correspondent Name:	Townsend and Townsend and Crew
Address Line 1:	Two Embarcadero Center, Eighth Floor
Address Line 4:	San Francisco, CALIFORNIA 94111-3834
ATTORNEY DOCKET NUMBER:	16869Q-221500US
NAME OF SUBMITTER:	Kent J. Tobin

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**PATENT
REEL: 020851 FRAME: 0506**

Total Attachments: 4

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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Yoshiaki Uji of 6-10-9 Koyama, Shinagawa-ku, Tokyo, 142-0062 Japan; Minoru Shimada of 2703-17 Okazu-cho Izumi-Ku, Yokohama-shi, Kanagawa, 245-0003 Japan; Ryoh Miura of 701-1-301 Endo, Fujisawa-shi, Kanagawa, 252-0816 Japan; Takahiro Watanabe of 1-1-26 Zengyozaka, Fujisawa-shi, Kanagawa, 251-0876 Japan; Toyomi Ohsawa of 4-4-16-205 Nakanoshima, Tama-ku, Kawasaki-shi, Kanagawa, 214-0012 Japan; and Noriaki Satoh of 5682-6-3-510 Ohba, Fujisawa-shi, Kanagawa, 251-0861 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 DEVICE, ALTITUDE DETERMINATION
METHOD THEREFORE AND METHOD FOR
DETERMINING CHARACTERISTIC OF HEAD
ELEMENT PORTION

Date(s) of execution of Declaration:

Filing Date: January 31, 2008

Application No.: 12/012,340 ; 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: 01/21/2008

Yoshiaki Uji
Yoshiaki Uji

Dated: 01/22/2008

Minoru Shimada
Minoru Shimada

Dated: _____

Ryoh Miura

Dated: 01/23/2008

Takahiro Watanabe
Takahiro Watanabe

Dated: 01/24/2008

Toyomi Ohsawa
Toyomi Ohsawa

Dated: _____

Noriaki Satoh

61254606 v1

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

Dated: _____

Yoshiaki Uji

Dated: _____

Minoru Shimada

Dated: 1/29/08

Ryoh Miura
Ryoh Miura

Dated: _____

Takahiro Watanabe

Dated: _____

Toyomi Ohsawa

Dated: _____

Noriaki Satoh

61254606 v1

Assignment
Attorney Docket No.: 16869Q-221500US
Page 2

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

Dated: _____

Yoshiaki Uji

Dated: _____

Minoru Shimada

Dated: _____

Ryoh Miura

Dated: _____

Takahiro Watanabe

Dated: _____

Toyomi Ohsawa

Dated: 2008 Jan 27


Noriaki Satoh

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