PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Takenori Hirose	05/15/2008
Yasuhiro Yoshitake	05/16/2008

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:	12156338

CORRESPONDENCE DATA

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NAME OF SUBMITTER: Kent J. Tobin

Total Attachments: 1

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PATENT REEL: 021422 FRAME: 0386

Attorney Docket No.: 16869Q-226200US Client Reference No.: HJP920070038US1

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Takenori Hirose of 4-9-1-A905, Minatomirai, Nishi-ku, Yokohama, Kanagawa, 220-0012 Japan; and Yasuhiro Yoshitake of 804-50 Kashio-cho, Totsuka-ku, Yokohama, Kanagawa, 244-0812 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:

HARD DISK MEDIA HAVING ALIGNMENT PATTERN AND ALIGNMENT METHOD

Date(s) of execution of Declaration:

Filing Date: May 29, 2008

Application No.: 12/156,338

; 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: 5/15/2008	Takenori Hipse	
	Takenori Hirose	
Dated: 5/16/2008	Yasuhir Yoshitake	
61335716 v1	Yasuhiro Yoshitake	

PATENT REEL: 021422 FRAME: 0387

RECORDED: 08/21/2008