# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Naoki Satoh	03/18/2006
Yoshiteru Ishida	03/23/2006
Yoshiju Watanabe	03/23/2006
Terumi Takashi	03/27/2006

## 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:	11400579

#### **CORRESPONDENCE DATA**

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Correspondent Name: TOWNSEND AND TOWNSEND AND CREW LLP

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ATTORNEY DOCKET NUMBER: 16869Q-181900US

NAME OF SUBMITTER: Chun-Pok Leung

Total Attachments: 2

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PATENT

REEL: 017518 FRAME: 0190

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Attorney Docket No.: 16869Q-181900US Client Reference No.: HJP920050017US1

#### ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Naoki Satoh of 72-8 Nakazato, Odawara-shi, Kanagawa, 250-0872 Japan; Yoshiteru Ishida of 2417-1-105 Kozu, Odawara-shi, Kanagawa, 256-0812 Japan; Yoshiju Watanabe of 3-2-16 Nishi-sakawa, Odawara-shi, Kanagawa, 256-0817 Japan; and Terumi Takashi of 2587-10 Enzo, Chigasaki-shi, Kanagawa, 253-0084 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 AND MAGNETIC DISK

MEDIUM

Date(s) of execution of Declaration:

Filing Date:

Application No.:

; and

WHEREAS, Hitachi Global Storage Technologies Netherlands B.V. of 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 tight, 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 Embarcadoro 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: Merch 18, 2006	naohi Satoh
	Naoki Satoh
Dated:	Yoshiteru Ishida
<b>^</b>	Tosmera Isinoa
Dated:	Yoshiju Watanabe
Dared:	
607214A8 VI	Terumi Takashi

PATENT REEL: 017518 FRAME: 0191

Attorney Docket No.: 16869Q-181900US Client Reference No.: HJP920050017US1

#### ASSIGNMENT OF PATENT APPLICATION

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Title of Invention:

MAGNETIC DISK DRIVE AND MAGNETIC DISK MEDIUM

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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.

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Dated:	
	Naoki Satoh
Dated: Mar. 23, 2006	yoshitem Sahida
	Yoshiteru Ishida
Dated: Mar. 23, 2006	Yoshiju Watanabe
BATT AND TO THE STATE OF THE ST	Yoshiju Watanabe
Dared: Mar 27. 2006	Terumi Tukaski
	Terumi Takashi
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**RECORDED: 04/24/2006**