

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Yoshinori Honda	10/03/2005
Takayuki Ichihara	10/04/2005
Hiroyuki Nakagawa	10/04/2005
Kiwamu Tanahashi	10/04/2005
<b>RECEIVING PARTY DATA</b>	
Name:	Hitachi Global Storage Technologies Netherlands B.V.
Street Address:	Locatellikade 1, Parnassustoren
City:	1076 AZ Amsterdam
State/Country:	NETHERLANDS
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	11253431
<b>CORRESPONDENCE DATA</b>	
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:	rl@townsend.com
Correspondent Name:	Townsend and Townsend and Crew LLP
Address Line 1:	2 Embarcadero Center, 8th Floor
Address Line 4:	San Francisco, CALIFORNIA 94111-3834
ATTORNEY DOCKET NUMBER:	16869Q-164900US
NAME OF SUBMITTER:	Chun-Pok Leung
Total Attachments: 1	
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**PATENT**  
**REEL: 016834 FRAME: 0493**

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Yoshinori Honda of 6-8-13-406 Shinomiya, Hiratsuka-shi, Kanagawa-ken, 2540014 Japan; Takayuki Ichihara of 8-35-10 Okusawa, Setagaya-ku, Tokyo, 158-0083 Japan; Hiroyuki Nakagawa of 2710-162 Miho-cho, Midori-ku, Yokohama-shi, Kanagawa, 226-0015 Japan; and Kiwamu Tanahashi of 3-12-3 Nishi-koigakubo, Kokubunji, Tokyo, 185-0013 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: METHOD FOR MANUFACTURING  
PERPENDICULAR MAGNETIC RECORDING  
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 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: 10/03/2005

Yoshinori Honda  
Yoshinori Honda

Dated: 10/04/2005

Takayuki Ichihara  
Takayuki Ichihara

Dated: 10/04/2005

Hiroyuki Nakagawa  
Hiroyuki Nakagawa

Dated: 10/04/2005

Kiwamu Tanahashi  
Kiwamu Tanahashi

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RECORDED: 11/30/2005

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