

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Masafumi Mochizuki		02/24/2006
Isao Nunokawa		02/24/2006
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:	11370504	
CORRESPONDENCE DATA		
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:	jbsalvador@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	
ATTORNEY DOCKET NUMBER:	16869Q-178200US	
NAME OF SUBMITTER:	Chun-Pok Leung	
Total Attachments: 1 source=16869Q-178200US Assignment#page1.tif		

CH \$40.00 11370504

500092226

PATENT  
REEL: 017437 FRAME: 0554

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Masafumi Mochizuki of 1-9-7 Nakatyou, Koganei-shi, Tokyo, 184-0012 Japan, and Isao Nunokawa of 901-1 Renshoji, Odawara-shi, Kanagawa, 250-0865 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 HEAD FOR PERPENDICULAR  
RECORDING AND FABRICATION PROCESS**

Date(s) of execution of Declaration:

Filing Date:

Application No.: ; and

WHEREAS, Hitachi Global Storage Technologies Netherlands B.V. of Locatellikade 1, Parnassusteren, 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: Feb. 24, 2006

Masafumi Mochizuki  
Masafumi Mochizuki

Dated: Feb. 24, 2006

Isao Nunokawa  
Isao Nunokawa