PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Tadayuki Iwakura	10/04/2005
Youji Maruyama	10/04/2005
Masafumi Mochizuki	10/04/2005
Ichiro Ohdake	10/05/2005

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:	11258468

CORRESPONDENCE DATA

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NAME OF SUBMITTER: Chun-Pok Leung

Total Attachments: 1

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PATENT REEL: 016834 FRAME: 0488

Attorney Docket No.: 16869Q-160500US Client Reference No.: HIP920040079US1

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Tadayuki Iwakura of 2-25-5-202 Minamikamonomiya, Odawara, Kanagawa, 250-0875 Japan; Youji Maruyama of 298-32, Shinko, Iruma-shi, Saitama, Japan; Masafumi Mochizuki of 1-9-7 Nakatyou, Koganei-shi, Tokyo, 184-0012 Japan; and Ichîro Ohdake of 880-515 Tajima, Odawara, Kanagawa, 259-0811 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

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 "ASSIONEE," 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 Assignoe all right, title and interest in and to the invention and application and to all forcign 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.

Oct. 04, 2005

Youy Maruyama
Youji Maruyama

Dated: 0ct.04, 2005

Dated: 00x.05,2005

Ichiro Ohdake
Ichiro Ohdake

PATENT REEL: 016834 FRAME: 0489

RECORDED: 11/30/2005