

Attorney Docket No. 16869Q-130400US

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1. Name of conveying party(ies)/Execution Date(s): Masahiko Hatatani, Chiseki Haginoya, Kenichi Meguro, Kazuhiro Nakamoto Execution Date(s) October 15, 2004 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies) Hitachi Global Storage Technologies Name: Netherlands, B.V. Internal Address: Street Address: Locatellikade 1, Parnassustoren City: AZ Amsterdam State: Country: The Netherlands Zip: 1076 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Government Interest Assignment Executive Order 9424, Confirmatory License Other

4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No.(s) 10/977,129 B. Patent No.(s) Additional numbers attached? Yes No

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)

5. Name and address to whom correspondence concerning document should be mailed: Name: Chun-Pok Leung Internal Address: TOWNSEND AND TOWNSEND AND CREW LLP Street Address: Two Embarcadero Center, Eighth Floor City: San Francisco State: California Zip: 94111-3834 Phone Number: (415) 576-0200 Fax Number: (415) 576-0300 Email Address: rl@townsend.com

8. Payment Information a. Credit Card Last 4 numbers Expiration Date b. Deposit Account Number 20-1430 Authorized User Name Townsend and Townsend and Crew LLP

9. Signature: Chun-Pok Leung Signature Date January 28, 2005 Name of Person Signing Atty. Reg. No. 41,405 Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (703) 308-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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Attorney Docket No.: 16869Q-130400US
Client Reference No.: HJP920030055US1

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Masahiko Hatatani of 516 Hitachi Nozomiryu, 880 Tajima, Odawara-shi, Kanagawa, 256-0811 Japan; Chiseki Haginoya of 1-23-24 Nukui-Minami, Koganei-shi, Tokyo, 184-0014 Japan; Kenichi Meguro of 1848-304 Matsudasouryou, Matsuda-machi, Ashigarakami-gun, Kanagawa, 258-0003 Japan; Kazuhiro Nakamoto of 716-8 Ninomiya, Ninomiya-machi, Naka-gun, Kanagawa, 259-0123 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 AND RECORDING AND PLAYBACK DRIVE**

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: Oct. 15, 2004

Masahiko Hatatani
Masahiko Hatatani

Dated: Oct. 15, 2004

Chiseki Haginoya
Chiseki Haginoya

Dated: Oct. 15, 2004

Kenichi Meguro
Kenichi Meguro

Dated: Oct. 15, 2004

Kazuhiro Nakamoto
Kazuhiro Nakamoto

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