

Attorney Docket No. 16869Q-132200US

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s): Satoshi Hayakawa, Kohichi Takeuchi, Takeshi Chawanya, Elji Soga

Execution Date(s) November 24, 2004 Additional name(s) of conveying party(ies) attached? [] Yes [X] No

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

4. Application or patent number(s): A. Patent Application No.(s) 11/029,265

Additional numbers attached? [] Yes [X] No

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

9. Signature: [Signature] Signature Chun-Pok Leung Name of Person Signing Atty. Reg. No. 41,405

2. Name and address of receiving party(ies) Hitachi Global Storage Technologies Name: Netherlands, B.V. Internal Address: Street Address: Locatellikade 1, Parnassustoren City: 1076 AZ Amsterdam State: Country: The Netherlands Zip: Additional name(s) & address(es) attached? [] Yes [X] 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 [X] Authorized to be charged to deposit account [] Enclosed [] None required (government interest not affecting title)

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

Date [Signature] Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, 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-132200US
Client Reference No.: HTP920030036US1

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Satoshi Hayakawa of 1-43-12, Tsurugamine-honcho, Asahi-ku, Yokohama-shi, Kanagawa, 241-0021 Japan; Kohichi Takeuchi of 2-5-12-511, Shimo-tsuruma, Yamato-shi, Kanagawa, 242-0001 Japan; Takeshi Chawanya of 2-11-26-505, Okano, Nishi-ku, Yokohama-shi, Kanagawa, 220-0073 Japan; Eiji Soga of 3-1-7-102, Chuo-rinkan, Yamato-shi, Kanagawa, 242-0007 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: DATA STORAGE DEVICE WITH SUPPORT FOR WIRING STRUCTURE PORTION TO SUPPRESS FLUTTERING

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: 24 Nov. '04

Satoshi Hayakawa
Satoshi Hayakawa

Dated: 24 Nov. '04

Kohichi Takeuchi
Kohichi Takeuchi

Dated: 24 Nov. '04

Takeshi Chawanya
Takeshi Chawanya

Dated: 24 Nov. '04

Eiji Soga
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