

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|--|---------------|----------------|---------------------|------------|--------------------|------------|------------------|------------|------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takahiro Saito</td> <td>11/25/2005</td> </tr> <tr> <td>Takayuki Yamaguchi</td> <td>11/28/2005</td> </tr> <tr> <td>Atsushi Kanamaru</td> <td>11/25/2005</td> </tr> <tr> <td>Hiromi Kobayashi</td> <td>11/25/2005</td> </tr> </tbody> </table> | | Name | Execution Date | Takahiro Saito | 11/25/2005 | Takayuki Yamaguchi | 11/28/2005 | Atsushi Kanamaru | 11/25/2005 | Hiromi Kobayashi | 11/25/2005 |
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| Hiromi Kobayashi | 11/25/2005 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
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| City: | 1076 AZ Amsterdam | | | | | | | | | | |
| State/Country: | NETHERLANDS | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11317029</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 11317029 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 11317029 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 16869Q-166800US | | | | | | | | | | |
| NAME OF SUBMITTER: | Chun-Pok Leung | | | | | | | | | | |
| Total Attachments: 1 source=16869Q-166800US Assignment#page1.tif | | | | | | | | | | | |

CH \$40.00 11317029

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Takahiro Saito of 2-32-2-B Chuo, Seya-ku, Yokohama-shi, Kanagawa, 246-0014 Japan; Takayuki Yamaguchi of 3-3-8-302 Yamato-higashi, Yamato-shi, Kanagawa, 242-0017 Japan; Atsushi Kanamaru of 1-8-16-103 Higashi-rinkan, Sagami-hara-shi, Kanagawa, 228-0811 Japan; and Hiromi Kobayashi of 1-1-2-211 Tsunashima Kami-cho, Kohoku-ku, Yokohama-shi, Kanagawa, 223-0055 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 AND CONTROL
METHOD WITH BUFFER CONTROL THEREOF

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: Nov 25, 2005

齊藤 高裕
Takahiro Saito

Dated: Nov 28, 2005

山口 徹之
Takayuki Yamaguchi

Dated: Nov 25, 2005

金丸 淳
Atsushi Kanamaru

Dated: Nov 25, 2005

Hiromi Kobayashi
Hiromi Kobayashi

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