

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Makoto Takase	03/15/2005
Kohji Takasaki	03/15/2005
Minoru Hashimoto	03/15/2005
Kenji Okada	03/15/2005
Hiroshi Oshikawa	03/18/2005
Yasuhiro Kotani	03/15/2005
Satoshi Yamamoto	04/21/2005
Keishi Takahashi	03/15/2005

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:	11084693

CORRESPONDENCE DATA

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Correspondent Name: Townsend and Townsend and Crew LLP
Address Line 1: 2 Embarcadero Center, 8th Floor
Address Line 4: San Francisco, CALIFORNIA 94111-3834

NAME OF SUBMITTER: Chun-Pok Leung

PATENT

500031244

REEL: 016009 FRAME: 0985

CH \$40.00 11084693

Total Attachments: 4

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PATENT

REEL: 016009 FRAME: 0986

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Makoto Takase of 4-7-3-103, Chuo-rinkan, Yamato-shi, Kanagawa, 242-0007 Japan; Kohji Takasaki of 5-27-5-101, Hirado, Totsuka-ku, Yokohama-shi, Kanagawa, 244-0802 Japan; Minoru Hashimoto of 3-8-12-101, Hon-fujisawa, Fujisawa-shi, Kanagawa, 251-0875 Japan; Kenji Okada of 407, 5224-10, Ohba, Fujisawa-shi, Kanagawa, 251-0861 Japan; Hiroshi Oshikawa of A2 4-9-29, Tsujido, Fujisawa-shi, Kanagawa, 251-0047 Japan; Yasuhiro Kotani of 203, 1943-2, Shimo-tsuruma, Yamato-shi, Kanagawa, 242-0001 Japan; Satoshi Yamamoto of 1040 Quayle Creek Circle, San Jose, CA 95120-4167; and Keishi Takahashi of 4-12-7-1, Kugenuma-shinmei, Fujisawa-shi, Kanagawa, 251-0021 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: **STORAGE DEVICES AND METHOD OF
TRANSFERRING FILE BETWEEN THE DEVICES**

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: 15 MAR 2005

Makoto Takase

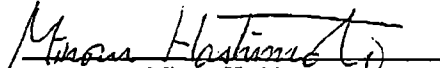
Makoto Takase

Dated: 15 MAR 2005

Kohji Takasaki

Kohji Takasaki

Dated: 15 MAR 2005


Minoru Hashimoto

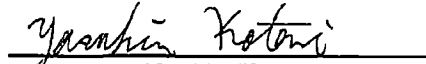
Dated: 15 MAR 2005


Kenji Okada

Dated: _____

Hiroshi Oshikawa

Dated: 15 MAR 2005


Yasuhiro Kotani

Dated: _____

Satoshi Yamamoto

Dated: 15 MAR 2005


Keishi Takahashi

60439052 v1

Dated: _____

Minoru Hashimoto

Dated: _____

Kenji Okada

Dated: 18 March, 2005

Hiroshi Oshikawa
Hiroshi Oshikawa

Dated: _____

Yasuhiro Kotani

Dated: _____

Satoshi Yamamoto

Dated: _____

Keishi Takahashi

60439062.v1

Dated: _____

Minoru Hashimoto

Dated: _____

Kenji Okada


Dated: _____

Hiroshi Oshikawa

Dated: _____

Yasuhiro Kotani

Dated: 4/21/2005



Satoshi Yamamoto

Dated: _____

Keishi Takahashi

60439062 v1