

05-22-2006

Docket No. 16869R-184000US

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



103242691

5-10-06

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)

Takaki NAKAMURA

2. Name and address of receiving party(ies)

Name: Hitachi, Ltd.

Internal Address: _____

Street Address: _____

6-6, Marunouchi 1-chome, Chiyoda-ku

City: Tokyo

State: _____

Country: Japan

Zip: _____

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 04-18-2006, 04-18-2006

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Robert C. Colwell

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: rcc@townsend.com

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)

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:

Signature

Robert C. Colwell

Name of Person Signing

Atty. Reg. No. 27,431

May 10, 2006

Date

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 1460, Alexandria, VA 22313-1460

PATENT

REEL: 017900 FRAME: 0936

1. Additional name(s) of conveying party(ies):
(Continued from Page 1)

Atsushi SUTOH

2. Additional name(s) and address(es) of receiving party(ies):
(Continued from Page 1)

3. Additional application number(s) or patent number(s):
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

60769425 v1

ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi, Ltd., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to STORAGE SYSTEM ISSUING OPTIMUM I/O COMMAND TO ALLOCATION-ON-USE ENABLED VOLUME AND CONTROLLING METHOD THEREFOR

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi, Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1) <u>Takaki Nakamura</u>	<u>Apr. 18, 2006</u>
2) <u>Atsushi Sutoh</u>	<u>Apr. 18, 2006</u>
3) _____	_____
4) _____	_____
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____

PATENT

RECORDED: 05/10/2006

REEL: 017900 FRAME: 0938