

02-10-2005

Key Docket No. 16869S-029100US

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
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PATENTS ONLY

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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):

Hitachi, Ltd.

Execution Date(s) January 11, 2005

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

OpNext Japan, Inc.
 216, Totsukacho
 Totsuka-ku
 Yokohama-shi, Kanagawa, Japan

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

4. Application or patent number(s):

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

A. Patent Application No.(s)

09/905,045

B. Patent No.(s)

6,554,491

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: @townsend.com

6. Total number of applications and patents involved:

4

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 160.00

- ☐ 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

February 3, 2005

Date

Total number of pages including cover sheet, attachments, and documents:

4

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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PATENT
 REEL: 016226 FRAME: 0967

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

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)
10/436,802

B. Patent No.(s)
6,600,797

60413874 v1

ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged,

Assignor: Hitachi, Ltd.
6-6, Marunouchi 1-chome
Chiyoda-ku
Tokyo, Japan
Incorporation: Japan

hereby assigns and transfers to

Assignee: OpNext Japan, Inc.
216, Totsukacho
Totsuka-ku
Yokohama-shi, Kanagawa, Japan
Incorporation: Japan

and the successors, assigns and legal representatives of the Assignee the entire right, title and interest in and to United States Letters Patents and Patent Applications listed on Exhibit A hereto, together with all continuations, divisionals, continuations-in-part, reissues, or reexaminations thereof, with the right to sue for and recover damages for past infringement of said patents. 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 Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, and of any division, renewal, continuation in whole or in part, substitution, conversion, reissue prolongation or extension thereof.

IN WITNESS WHEREOF, Assignor has hereunto executed thus document this

11th day of January, 2005.

HITACHI, LTD.

By: 

Name Printed: Yasuo SAKUTA
Patent Attorney
Executive Officer
Intellectual Property Group
Title: (Authorized Signing Officer)

ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

EXHIBIT A

1. United States Letters Patent No. 6,554,491, issued April 29, 2003, entitled "Optical Module."
2. United States Letters Patent No. 6,600,797, issued July 29, 2003, entitled "Phase Frequency Synchronism Circuit and Optical Receiver."
3. United States Patent Application No. 10/436,802, filed May 12, 2003, entitled "Phase Frequency Synchronism Circuit and Optical Receiver."
4. United States Patent Application No. 09/905,045, filed July 12, 2001, entitled "Optical Transmission Device and Optical Transmission System Using the Same."