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U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Tatsuya Sugita, Koki Hirano, Tomiya Abe, and Yuzo Ito

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: February 7, 2002

## 2. Name and address of receiving party(ies)

Name: Hitachi, Ltd

Internal Address:

Street Address:

6, Kanda Surugadai 4-chome  
Chiyoda-ku

City: Tokyo

State: Japan

Zip:

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

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is: February 7, 2002

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Mark J. Thronson

DICKSTEIN SHAPIRO MORIN &amp; OSHINSKY LLP

Internal Address: Atty. Dkt.: N9450.0049/P049

Street Address: 2101 L Street NW

City:  
WashingtonState: DC Zip:  
20037-1526

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit account number:

04-1073

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Mark J. Thronson (33,082)

Name of Person Signing

Signature

February 25, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

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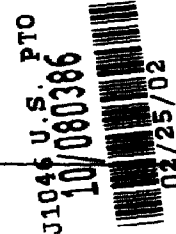
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PATENT  
REEL: 012635 FRAME: 0804

RECORDATION FORM COVER SHEET  
(continued)

## Additional Conveying Party(ies) (1. Continued):



## Additional Assignees (2. Continued):

Assignee Name: Hitachi Cable, Ltd.

Internal Address:

Street Address: 6-1, Otemachi 1-chome  
Chiyoda-kuCity: Tokyo State: \_\_\_\_\_ Zip Code: 100-0004

Assignee Name: \_\_\_\_\_

Internal Address:

Street Address:

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Assignee Name: \_\_\_\_\_

Internal Address:

Street Address:

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

## Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers  
4A. Continued:Additional Patent Numbers  
4B. Continued:

Additional numbers attached?

☐

Yes

☐

No

# ASSIGNMENT

( 譲渡証 )

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Tatsuya SUGITA, Koki HIRANO, Tomiya ABE and Yuzo ITO citizens of Japan by Hitachi, Ltd. and Hitachi Cable, Ltd., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 6-1, Otemachi 1-chome, Chiyoda-ku, Tokyo, Japan, respectively, receipt of which is hereby acknowledged, we, the said Tatsuya SUGITA, Koki HIRANO, Tomiya ABE and Yuzo ITO,

do hereby sell and assign to said Hitachi, Ltd. and Hitachi Cable, Ltd.,

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

## WAVELENGTH SEPARATION OPTICAL DEVICE AND MULTIPLE WAVELENGTH LIGHT TRANSMISSION MODULE

invented by us 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. and Hitachi Cable, Ltd.,

their 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 us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said 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 we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd. and Hitachi Cable, Ltd..

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

(発明者フルネームサイン)

Date Signed

(署名日)

1) Tatsuya SUGITA

*Tatsuya Sugita*

*2/4/2002*

2) Koki HIRANO

*Koki Hirano*

*2/7/2002*

3) Tomiya ABE

*Tomiya ABE*

*2/7/2002*

4) Yuzo ITO

*Yuzo Ito*

*2/7/2002*

5)

6)

7)

8)

9)

10)

RECORDED: 02/25/2002

PATENT  
REEL: 012635 FRAME: 0806