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The Honorable Commissioner of Patents and Trademarks: Please record the amended original documents or copy thereof

Name of conveying Party(ies):

Seiichi NARAOKA; Makoto OKUDA; Yoshitaka ENOMOTO

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

3. Nature of Conveyance:

☒ Assignment

Merger

Security Agreement

Change of Name

Execution Date: May 6, 1998; May 14, 1998

2. name and address of receiving party(ies)

Name: The Furukawa Electric Co. Ltd. and
Nippon Telegraph and Telephone Corporation

Street Address: 6-1 Marunouchi 2-chome

City: Chiyoda-ku, Tokyo 100

Country: Japan

AND

Street Address: 19-2, Nishi Shinjuku 3-chome,

City: Shinjuku-ku, Tokyo 163-19

Country: Japan

Additional name(s) & addresses attached? Yes ☒ No

4. Application number(s) or patent number(s) PCT/JP97/03691

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

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: Randy Lacasse
Address: Lacasse & Associates
2001 Jefferson Davis Highway
Suite 806
City: Arlington, Virginia 22202
Country: U.S.A

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: _____
(attach duplicate copy of this sheet if paying by deposit acct)


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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.

Randy Lacasse

Name of Person Signing


Signature8/19/98
Date

08/28/1998 DFLOYD 00000011 09097045

02 FC:581

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231PATENT
REEL: 9432 FRAME: 0533

ASSIGNMENT

Whereas, Seiichi NARAOKA; Makoto OKUDA; Yoshitaka ENOMOTO, citizens of Japan, whose full post office addresses are: Furukawa Daiichi Ryo, 2-19, Tatsumidai Nishi, Ichihara-shi, Chiba 290, Japan; 3-605, Oyumino Park House, 8-25-2, Oyumino, Midori-ku, Chiba-shi, Chiba 267, Japan; 2090, Higashi Akatsuka, Mito-shi, Ibaraki 311-41 Japan, respectively, have made an invention as described in the application for Letters Patent in the United States of America entitled

OPTICAL SWITCH

filed under international No. PCT/JP97/03691 filed 14 October 1997 (14.10.97).

And WHEREAS THE FURUKAWA ELECTRIC CO., LTD, whose full post office address is 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100, Japan, and NIPPON TELEGRAPH AND TELEPHONE CORPORATION, whose full post office address is 19-2 Nishi shinjuku 3-chome, Shinjuku-ku, Tokyo 163-19, Japan, is desirous of acquiring the entire interest therein;

NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, Seiichi NARAOKA; Makoto OKUDA; and Yoshitaka ENOMOTO, by these presents do sell, assign and transfer unto THE FURUKAWA ELECTRIC CO., LTD fifty percent of our interest therein; and

NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, Seiichi NARAOKA; Makoto OKUDA; and Yoshitaka ENOMOTO, by these presents do sell, assign and transfer unto NIPPON TELEGRAPH AND TELEPHONE CORPORATION, fifty percent of our interest therein, for the territory of the United States Of America, and all

other countries, in and to the said invention, and we hereby request the Commissioner of Patents and Trademarks to issue said Letters Patents to THE FURUKAWA ELECTRIC CO., LTD. and NIPPON TELEGRAPH AND TELEPHONE CORPORATION, as assignees, each for the assigned fifty percent use and behoof of THE FURUKAWA ELECTRIC CO., LTD. and NIPPON TELEGRAPH AND TELEPHONE CORPORATION, and their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by myself had this assignment and sale not been made.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

Executed this 6th day of May, 1998.
at Ichihara-shi, Japan.

Seiichi Naraoka
Seiichi NARAOKA

Declaration by Witness

I, Yoshihisa Ito, whose full post office address is 2-25 Tatsunichiki
Higashi Ichihara say: -shi Chiba Japan say

That I was personally present and did see Seiichi NARAOKA, who is personally known to me, duly sign and execute the above Assignment.

Yoshihisa Ito
Signature of Witness

Executed this 6th day of May, 1998.

at Ichihara-shi, Japan.

Makoto Okuda

Makoto OKUDA

Declaration by Witness

I, Yoshihisa Ito, whose full post office address is 3-25 Tatsumidai
Higashi Ichihara-shi Chiba Japan say

That I was personally present and did see **Makoto OKUDA**, who is personally known to me, duly sign and execute the above Assignment.

Yoshihisa Ito
Signature of Witness

Executed this 14th day of May, 1998.

at Tokai, Japan.

Yoshitaka Enomoto

Yoshitaka ENOMOTO

Declaration by Witness

I, Yoshi-hiro Kimachi, whose full post office address is 3-20-2 Nishi-shinjuku, Shinjuku-ku

Tokyo 163-1419 say:
JAPAN

That I was personally present and did see Yoshitaka ENOMOTO, who is personally known to me, duly sign and execute the above Assignment.

Yoshi-hiro Kimachi
Signature of Witness

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