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

102774392

U.S. PTO
29/207441

061504

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

61504
Makoto Shiraishi (05/14/2004) Kentaro Hayashi
(05/17/2004) Yutaka Katsuyama (05/21/2004)Additional name(s) of conveying party(ies)
attached?☐ Yes ☒ No

3. Nature of Conveyance:

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

Execution Date: May 14, 17 & 21, 2004

2. Name and address of receiving party(ies)

Name: J. S. T. Mfg. Co., Ltd.

Internal Address:

Street Address:

4-8, Minamisenba 2-chome
Chuo-ku,

City: Osaka

State: JAPAN

Zip: 542-0081

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

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

29207441

If this document is being filed together with a new application, the execution date of the new application is: May 14, 17 & 21, 2004

A. Patent Application No.(s):

This application

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: RADER, FISHMAN & GRAUER PLLC

Internal Address: Atty. Dkt.: AIA-0159

Street Address:
1233 20th Street, N.W.
Suite 501

City:

Washington

State:

DC

Zip:

20036

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☐ Authorized to be charged to credit card
(Form 2038 enclosed)

8. Deposit account number:

18-0013

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Shawn B. Cage

Name of Person Signing

Signature

June 15, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 3

06/22/2004 NSETACHE 00000231 180013 29207441

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PATENT
REEL: 015481 FRAME: 0416

ASSIGNMENT AND AGREEMENT

WHEREAS, Makoto Shiraiishi, Kentaro Hayashi and Yutaka Katsuyama (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled OPTICAL ADD-DROP MULTIPLEXER for which an application for United States Letters Patent was executed by ASSIGNOR concurrently herewith; and

WHEREAS, J. S. T. MFG. CO., LTD., a corporation duly organized and existing under the laws of Japan ASSIGNEE STATE INC, and having its principal place of business at 4-8, Minamisenba 2-chome, Chuo-ku, Osaka 542-0081, Japan (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and

assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Rader, Fishman & Grauer, PLLC** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Rader, Fishman & Grauer, PLLC** do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Date: 5/14/2004

Makoto Shiraishi

Makoto Shiraishi

Date: 5/17/2004

Kentaro Hayashi

Kentaro Hayashi

Date: 5/21/2004

Yutaka Katsuyama

Yutaka Katsuyama

Date: _____

Date: _____