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To the Honorable Commissioner of Patents

102223778

Please record the attached original documents or copy them.

10/238652
09/11/02

1. Name of conveying party(ies):

Yutaka UNO

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

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: September 2, 2002

2. Name and address of receiving party(ies)

Name: Oki Electric Industry Co.

Internal Address: _____

Street Address: 7-12, Toranomom 1-chome
Minato-ku, Tokyo, Japan

City: _____ State: _____ 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 application is: Sept. 2, 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: KANESAKA & TAKEUCHIInternal Address: Yusuke Takeuchi

Street Address: _____

1423 Powhatan StreetCity: Alexandria State: VA ZIP: 223146. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: _____

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

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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.*Yusuke Takeuchi
Name of Person SigningY Takeuchi
Signature09/11/02
DateTotal number of pages including cover sheet, attachments, and document: 2Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**WHEREAS** Yutaka UNOhereinafter referred to collectively as the assignor, has invented a certain improvement relating to PROCESS FOR MAKING LIGHT WAVEGUIDE ELEMENT

[] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on,

_____ authorization being hereby given to my attorneys, **Yusuke Takeuchi, Manabu Kanesaka**, of KANESAKA & TAKEUCHI, 1423 Powhatan Street Alexandria, VA 22314, to insert here in parentheses (Application Serial No.) _____ the application serial number of said application when known;

[] said application having been filed under the Patent Cooperation Treaty on _____, Serial No.) _____, the United States of America being designated.

AND WHEREAS Oki Electric Industry Co., Ltd.of 7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, September 2, ^{U.Y}~~2001~~ 2002**WITNESS:****ASSIGNOR:**Signature: T. SaschiSignature: Yutaka UnoName: Yutaka Uno**KANESAKA & TAKEUCHI**