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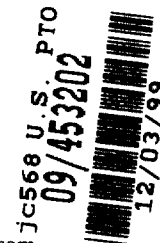


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TO THE ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

Attorney Docket: 32014-152519
OKI

REQUEST FOR RECORDING AND COVER SHEET UNDER 37 C.F.R. 3.28 AND 3.31

Please record the attached original document.

1. Name of party conveying the interest:

Masayuki KASHIMA

2. Name and address of party receiving the interest:

OKI ELECTRIC INDUSTRY CO., LTD.
7-12, Toranomom 1-chome
Minato-ku, Tokyo, JAPAN

3. Description of the interest conveyed or transaction to be recorded:

☒ Assignment ☐ Other:

4. Registration Number:

☒ Document filed together with a patent application executed respectively on
November 17, 1999

5. Address correspondence concerning this request to: VENABLE
P.O. Box 34385, Washington, D.C. 20043-9998.

6. Number of Applications, Patents or Registrations and total fee:

Patents: one patent right @ \$40 Total: \$40.00

7. Date of execution of document: November 17, 1999

8. If document is an assignment of a trademark right to an assignee who
is not domiciled in the United States, such assignee has designated a
domestic representative
☐ per attached designation ☐ other:

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

10. Date: December 3, 1999

Robert J. Frank

Name: Robert J. Frank

RJF/njp

Registration Number: 19,112

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PATENT
REEL: 010433 FRAME: 0484

ASSIGNMENT
OF APPLICATION FOR UNITED STATES LETTERS PATENT

Attorney Docket

WHEREAS Masayuki KASHIMA

hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to OPTICAL CROSS-CONNECT APPARATUS which said assignor has caused an application for United States Letters Patent to be prepared,

[X] 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 _____, Serial Number [if 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, Toranomom 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 entire 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 all divisions and continuations thereof, and the said invention and any 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, this 17th day of November, 1999.

WITNESSES:

Signature: Mikiko Higashino

Name: Mikiko Higashino

Address: c/o Oki Electric Industry Co., Ltd.

7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan

ASSIGNOR:

Signature: Masayuki KASHIMA

Name: Masayuki KASHIMA

Signature: _____

Name: _____

Address: _____