U.S. PTO 11/783479 04/10/2007

04/10/2007 05-02-2007 U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office OMB No. 0651-0027 (exp. 6/30/2008) EET 103401093 To the Director of the U.S. Pa d documents or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Toshiaki Mukojima OKI ELECTRIC INDUSTRY CO., LTD. Internal Address: X No Additional name(s) of conveying party(ies) attached? Street Address: 3. Nature of conveyance/Execution Date(s): 7-12, Toranomon 1-chome. Minato-Ku, Tokyo Execution Date(s): March 20, 2007 **JAPAN** x Assignment Merger Change of Name Joint Research Agreement Security Agreement City: _ Government Interest Assignment State: Executive Order 9424, Confirmatory License Zip: Country: Additional name(s) & address(es) Other attached? 4. Application or patent number(s): x This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) This application Additional numbers attached? Yes 5. Name and address to whom correspondence 6. Total number of applications and 1 concerning document should be mailed: patents involved: Name: Steven M. Rabin RABIN & BERDO, PC 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Internal Address: Atty. Dkt.: MAE-420 Street Address: 1101 14th St., NW Authorized to be charged to deposit account Suite 500 **Enclosed** None required (government interest not affecting title) Washington City: 8. Payment Information 4591 20005 **Last 4 Numbers** a. Credit Card State: Zip: 08/31/07 **Expiration Date** (202) 371-8976 Phone Number: b. Deposit Account Number (202) 408-0924 Fax Number: **Authorized User Name** firm@rabinberdo.com Email Address: 9. Signature: April 10, 2007

Signature

Steven M. Rabin - 29,102

Name of Person Signing

04/11/2007 HHARZI1 00000032 11783479 04 FC:8021 40.00

Total number of pages including cover

sheet, attachments, and documents:

2

Attorney Reference
ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT
WHEREAS Toshiaki MUKOJIMA
pereinafter referred to collectively as the assignor, has invented a certain improvement elating toOPTICAL COMMUNICATION SYSTEM WITH N + 1 REDUNDANCY
X] the inventor(s) declaration for said application being executed concurrently with the execution of this nstrument; 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 the practitioners associated with the
Oustomer Number 23995, 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 105-8460, 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
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 sald 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. AND Assignors hereby grant the following individuals the power to insert on this Assignment any
further identification which may be necessary or desirable in order to comply with the rules of the United
States Patent and Trademark Office for recordation of this document:
Rabin & Berdo, PC
All practitioners at Customer Number 23995.
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time
the invention was made.
EXECUTED, March 20, 2007
WITNESS: ASSIGNOR:
10 0 0 0 T 1. 1. 2 1 2 1
Signature: <u>Kokei Egyebki</u> Signature: <u>Joshiaki Mukojima</u> Name: <u>Toshiaki MUKOJIMA</u>
Name:Toshiaki MUKOJIMA
Public P Bordo PC

RECORDED: 04/10/2007

PATENT REEL: 019242 FRAME: 0477