04-05-2005 REC SHEET U.S. DEPARTMENT OF COMMERCE THE RELEASE HAVE BEEN AND THE RELEASE Patent and Trademark Office OMB No. 6514-0011(exp~4/94) 102972355 SD-US055018 To the Honorable Commissioner of 1. Name of conveying party(ies): Name and address of receiving party(ies) (1) Chie FUKUDA (2) Tetsuya HATTORI Name: Sumitomo Electric Industries, Ltd. (3) Morihiro SEKI Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No Internal Address: 3. Nature of conveyance: Street Address: Assignment Assignment Merger 5-33, Kitahama 4-chome, Chuo-ku ☐ Security Agreement ☐ Change of Name City: Osaka-shi Prefecture: Osaka ZIP: 541-0041 Country: JAPAN Other Additional name(s) & address(es) attached? ☐ Yes ☒ No Execution Date: (1)(2)(3): 03/04/2005 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 (1)(2)(3): 03/04/2005 A. Patent Application No.(s) B. Patent No.(s) Additional Application numbers attached? ☐ Yes ☑ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: Shinjyu Global IP Counselors, LLP 7. Total fee (37 CFR 3.41) :..\$40.00 Internal Address: Authorized to be charged to deposit account Street Address: 1233 Twentieth Street, NW 8. Deposit account number: Suite 700 City: Washington State: D.C. ZIP: 20036 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE

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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

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

Washington, D.C. 20231

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03/25/2005 KBETEMA1 00000062 11087544

Statement and signature.

Kiyoe K. Kabashima Name of Person Signing

original document.

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40.00 DP

PATENT REEL: 016411 FRAME: 0659

ASSIGNMENT

	ASSIGNMENT
[Executed in Japan]	
WHEREAS, Chie FUKUDA	, a citizen of Japan residing at Yokohama-shi, Kanagawa, Japan
Tetsuya HATTORI	, a citizen of Japan residing at Yokohama-shi, Kanagawa, Japan
Morihiro SEKI	, a citizen of Japan residing at Yokohama-shi, Kanagawa, Japan
?	, a citizen of Japan residing at
OPTICAL WAVEGUIDE DEVICE Assignor(s) have executed an App AND WHEREAS, Sumitomo Electric Ir of business at 5-33, Kitahama 4-chome the Assignee), is desirous of acquir and said Application and in and to indicated below, to be obtained the NOW, THEREFORE, for good an is herewith acknowledged, the Asuccessors, legal representatives a of America, in, to and under divisional, renewal, continuation, sue and recover for any past in Application; and the Assignor(s) Trademarks to issue all Letters Paherein, as assignee of the entire successors, and assigns, to the may be granted. Further, the Assignor(s) and their covenant without further remandant without further remandant which any of said application execute and deliver all divisional, said improvements and all assigns successors, or assigns, make as said Assignee, its successors, lepatent protection for said improvated applications to be borne and protections are successors, lepatent protections to be borne and protections are successors.	and valuable consideration, the receipt and sufficiency of which assignor(s) sell, assign, and transfer, unto the Assignee, its and assigns, the entire right, title, and interest in the United States said improvements, and said Application, and all original, substitute, or reissue applications thereof, including the right to afringement, and all rights of priority from the filing of said hereby authorize and request the Commissioner of Patents and atent on said improvements or resulting therefrom to said Assignee interest therein, for the sole use and behalf of said Assignee, its full end of the term or terms for which Letters Patent or Patents and assigns, any facts known to them respecting said and assigns, any facts known to them respecting said and will testify in any interferences or other legal proceeding as or Letters Patent may become involved, sign all lawful papers, continuing, reissue and other applications for Letters Patent on aments thereof to said Assignee or its legal representatives, it rightful oaths and generally do everything necessary to assist egal representatives and assigns, to obtain and enforce proper vements in the U.S. and said countries, the expenses incident to
	h , 2005 Signature Chie Fukuda
This 4th day of Marc	1, 2005 Signature Hattori Tetanya:
This 4+h day of Mar	ch , 2005 Signature Morihiro Seki
This day of	, 200 Signature

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RECORDED: 03/24/2005

PATENT REEL: 016411 FRAME: 0660