•		09-12-20	JUQ			
FORM P	TO-1595 RE			T	U.S. DEPARTMENT OF COMMERC	Œ
2001 Sta	as & Halsey LLP Honorable Commissioner of Patents	1025477 and Trademarks: Plea	19 ase record the atta	ched original	documents or copy thereof.	
1.	Name of conveying party(ies 1) Haruhiko TABUCHI 4) Kohei SHIBATA) :	azu NARUSE	3)	Koji TERADA	
2.	Name and Address of receiv	ing party(ies):	9-5-	ω 3		-9
	FUJITSU LIMITED 1-1, Kamikodanaka, 4-chom Nakahara-ku, Kawasaki-shi Kanagawa 211-8588 Japan					17 US. PTO 11/65503
3.	Nature of conveyance: X Assignment Security Agreement Other:		Merger Change of N			039
	Execution Date(s): August 21	-			•	<u>.</u>
4.	and August 21, 2003, respective	s) of the application of the app	n is/are: <u>August</u> AB WAVEGUIDE	21, 2003; A	ugust 24, 2003; August 21, i	<u>2003</u>
	(a) Patent Application N (b) Patent No(s).			;	or	
5.	Name and address of party STAAS & HALSEY LLP Attention: <u>Paul I. Kravetz</u> 1201 New York Ave., N.W., Washington, D.C. 20005		ndence concerr Our Docket:		ent should be mailed:	
6.	Total number of applications	and patents involv	ved: <u>1</u>			
7.	Total fee (37 CFR 3.41) X Enclosed Authorized to be cha	, , ,	_)		
8.	Deposit Account No.: 19-39 (Attach duplicate copy of this				charged to this Deposit Ad	Ē
9.	Statement and signature. To the best of my knowledge copy is a true copy of the or Kravetz, Reg. No. 35,230 of Person Signing	e and belief, the fo iginal document.	regoing informa	ation is true	and correct and any attac	ched: 10653036
	Kravetz, Reg. No. 35,230 of Person Signing	Sig	nature	Grove	September 5, 2003 Date	7 1000000 31
DO NOT U	JSE THIS SPACE		То	tal number	of pages including cover	sheet 2

PATENT REEL: 014467 FRAME: 0435

U.S. ASSIGNMENT

S&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

FUJITSU LIMITED 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi Kanagawa 211-8588 JAPAN

RECORDED: 09/05/2003

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

OPTICAL DEVICE WITH SL	AB WAVEGUIDE	AND CHANNE	L WAVEGUIDES ON SUBSTRATE
relating to International Patent Application PCT/JP_executed on even date herewith or, if not so executed		or for which app	plication for Letters Patent of the United States was
(a) executed on	; (Insert	t date of executio	n of application, if not concurrent)
(b) filed on;	N.W.,	Washington, D.C.	v of STAAS & HALSEY ILP, 700 Eleventh Street, C. 20001 (202/434-1500) is hereby authorized to ed data, when known.
and to said application and all Letters Patent(s) of th substitute, reissue or reexamination application base and including any extensions thereof (collectively, h The ASSIGNOR agree(s), when requested by sai which the ASSIGNEE may deem necessary, desirab including in the preparation and prosecution of said reexamination, or public use proceeding, and in any such acts to include but not be limited to executing a providing sworn testimony, and obtaining and production of the sword of the sword of the sword of the said reversible of the sword of t	d thereon, for the full ereinafter, "said appl d ASSIGNEE and wi le or expedient, for so application(s) and the litigation or other legal papers, including socing evidence. https://example.com/street/stre	term or terms for ication(s) and Le ithout charge to be ecuring, maintain e issuance of said gal proceeding wi separate assignment	or which the said Letters Patent(s) may be granted tters Patent(s)"). But at the expense of said ASSIGNEE, to do all acts and enforcing protection for said invention, and Letters Patent(s), in any interference, reissue, nich may arise or be declared in relation to same, ents and declarations, taking all rightful oaths,
1) Haruhiko Tabuchi Haruhiko TABUCHI	aug. 21	, 2003	浅崎·香
Haruhiko TABUCHI Terukazu Naruse. Terukazu NARUSE	Aug. 21 Aug. 2 Aug. 21	4.2003	Kaori HAMASAKI 元城 Kaori HAMASAKI
3) Koji Tanaha Koji TERADA	Aug. 21	, 2003	· · · · · · · · · · · · · · · · · · ·
Koji TERADA 4) <u>Kohie Shibata</u> Kohei SHIBATA	Aug. 21	. 200 3	Kaori HAMASAKI - たいな、声 Kaori HAMASAKI
5)			
6)			
7)			

PATENT REEL: 014467 FRAME: 0436