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To the Honorable Commissioner of Patents and Tra	ademarks: Please record the attached original documents or copy thereo
Name of conveying party(ies): OTSUKA, Kanji USAMI, Tamotsu	2. Name and address of receiving party(ies):
(5. 1.1.2., 1 1.2.1.0 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	Address: 1074-38, Kohan 2-chome, Higashiyamato
Additional names(s) of conveying party(ies)	No No So To To
3. Nature of conveyance:	
★ Assignment	
☐ Security Agreement ☐ Change of	Name City: Tokyo State/Prov.:
Other	Country: Japan ZIP: 207-0002
Execution Date: January 9, 2001	Additional name(s) & address(es) ☑ Yes □ No
Application number(s) or registration numbers(s):	
***	application, the execution date of the application is: January 9, 2001
Patent Application No. Filing date	B. Patent No.(s)
NEW JANUARY 18, 2001	
Additio	nal numbers
5. Name and address of party to whom corresponde concerning document should be mailed:	6. Total number of applications and patents involved:
Name: ADAM C. VOLENTINE	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 33289	☑ Enclosed - Any excess or insufficiency should be
Address: JONES VOLENTINE, LLC	credited or debited to deposit account
12200 SUNRISE VALLEY DRIVE, SUITE 150	Authorized to be charged to deposit account
City: RESTON State/Prov.: V	8. Deposit account number:
	50-0238
Country: U.S.A. ZIP: 20191	
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9. Statement and signature. To the best of my knowledge and belief, the foreg of the original document.	oing information is true and correct and any attached copy is a true copy
ADAM C. VOLENTINE	JAN. 18, 2001
Name of Person Signing	Signature 4 Date
Total number of pa	ages including cover sheet, attachments, and

PATENT

REEL: 011468 FRAME: 0991

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107-50

Attorney Reference
ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT
WHEREAS Kanji OTSUKA and Tamotsu USAMI ereinafter referred to collectively as the assignor, has invented a certain improvement elating to DRIVER CIRCUIT, RECEIVER CIRCUIT, AND SIGNAL TRANSMISSION BUS SYSTEM
X] the inventor(s) declaration for said application being executed concurrently with the execution of this estrument; 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, Raymond C. Jones and Adam C. Volentine of JONES VOLENTINE, L.L.P., , 12200 Sunrise Vally Drive Suite 150, Reston, Virginia
0191, to insert here in parentheses (Application Serial No) the application erial number of said application when known;] said application having been filed under the Patent Cooperation Treaty on
AND WHEREAS Kanji OTSUKA of 1074-38, Kohan 2-chome, Higashiyamato-shi, Tokyo 207-0002 apan; Tamotsu USAMI of 38-4, Nishimachi 2-chome, Kokubunji-shi, Tokyo 185-0035 Japan; Oki Electric ndustry Co., Ltd. of 7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan; SANYO Electric Co., Ltd. of 5-5,
deihanhondori 2-chome, Moriguchi-shi, Osaka, 570-8677 Japan; SHARP KABUSHIKI KAISHA of 22-22, lagaike-cho, Abeno-ku, Osaka, Japan; SONY CORPORATION of 7-35, Kitashinagawa 6-chome, shinagawa-ku, Tokyo, Japan; KABUSHIKI KAISHA TOSHIBA of 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, kanagawa-ken, Japan; NEC Corporation of 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan; Hitachi, Ltd. of 6, kanagawa-ken, Japan; NEC Corporation of 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan; Hitachi, Ltd. of 6, kanagawa-ken, Japan; Chiyoda-ku, Tokyo 101-8010 Japan; FUJITSU LIMITED of 1-1, Kamikodanaka-4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan; Matsushita Electronics Corporation of 1-1, kaiwai-cho, Takatsuki-shi, Osaka, Japan; Mitsubishi Denki Kabushiki Kaisha of 2-3, Marunouchi 2-chome, shiyoda-ku, TOKYO 100-8310 JAPAN and ROHM CO., LTD. of 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto-shi, kyoto-615-8585 Japan
hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said pplication, 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 aluable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, aid assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and ssigns, the full and exclusive right, title and interest in and to said application, including any and all divisions nd 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 uccessors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions nd 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 dvantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all uch patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and enefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as ne said assigner 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 ny and all renewals, reissues and prolongations thereof. AND said assigner, therefor, including any and al
EXECUTED, <u>9, January</u> , 2001.
VITNESS: ASSIGNOR:

Name: Karrii OTSUKA

JONES VOLENTINE, L.L.P.

PATENT REEL: 011468 FRAME: 0993

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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 2 of 2

	EXECUTED, 4, Jan	mary	, 2001.
WITNESS:		ASSIGNOR:	
Signature: _	Joka Suganuma Yoko SUGANUMA	Signature: Name:	James Land Cami

JONES VOLENTINE, L.L.P.

RECORDED: 01/18/2001

PATENT REEL: 011468 FRAME: 0994