	03-18-2003	
Form PTO-1595 RECORDATION FORM COVER SHEET PATENTS ONLY	102392560 Attorney Docket No. 108066-00023 Date: March 13, 2003	
To the Assistant Comm Please record the attached origin: 1. Name of conveying party(ies) Toshio NISHIZAWA Masanori UEDA Osamu KAWAUCHI Kiyohide MISAWA Hiroyuki FURUSATO Additional name(s) of conveying party(ies) attached? Yes No		
 3. Nature of conveyance: Assignment	The PTO did not receive the following listed item(s) Chack # 40 cution date of the application is: B. Patent No.(s)	
Additional numbers attached? Yes No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One	
Name: Arent Fox Kintner Plotkin & Kahn PLLC	7. Total fee (37 CFR 3.41) \$ 40.00	
Street Address: 1050 Connecticut Avenue, N.W., Suite 600	Included in attached check.	
Washington, D.C. 20036-5339	Any additional fees are authorized to be charged to deposit account	
	 B. Deposit account number: 01-2300 (Attach duplicate copy of this page if paying by deposit account) 	
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Reg. No. 25,895	March 13, 2003 March 13, 2003 Date	
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PATENT REEL: 013839 FRAME: 0663

08-12-2		
Form PTO-1595 RECORDATION FOR SHEET PA 102173		
JUN 2 8 2002	Attorney Docket No. 108066-00023 Date: January 11, 2001	
To the Assistant Comr TANDE WART Please record the attached origin		
1. Name of conveying party(ies)	2. Name and address of receiving party(ies):	
Toshio NISHIZAWA	Name: FUJITSU MEDIA DEVICES LIMITED	
Masanori UEDA Osamu KAWAUCHI Kiyohide MISAWA Hiroyuki FURUSATO	Address: 460 Oaza Koyama Suzaka-shi, Nagano 382-8501 Japan	
Additional name(s) of conveying party(ies) attached?	Additional name(s) & address(es) attached?	
☐ Yes ⊠ No	☐ Yes ⊠ No	
3. Nature of conveyance:		
Assignment Gecurity Agreement Change of Name Other		
Execution Date: October 4, 2000		
09/75 Additional numbers attached?	B. Patent No.(s) 7490] Yes \square No	
 Name and address of party to whom correspondence concerning document should be mailed: 	 Total number of applications and patents involved: One 	
Name: Arent Fox Kintner Plotkin & Kahn PLLC	7. Total fee (37 CFR 3.41) \$ 40.00	
Street Address: 1050 Connecticut Avenue, N.W., Suite 600	Included in attached check.	
Washington, D.C. 20036-5339	Any additional fees are authorized to be charged to deposit account	
	 Deposit account number: 01-2300 (Attach duplicate copy of this page if paying by deposit account) 	
DO NOT USE	THIS SPACE FEE OK	
 Statement and signature. To the best of my knowledge and belief, the foregoing information is copy of the original document. 	true and correct and any attached copy is a true	
Charles M. Marmelstein	January 11, 2001	
Reg. No. 25,895	Signature Date Total number of pages including cover sheet, attachments, and document: 2	
Lotal number r	w names including cover sheet attachments, and documents?	

ARENT FOX KINTNER Nikaido, Marmelstein, Mur., & Oram Intellectual Property Group

Docket No:

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventors (hereinafter ASSIGNOR) by:

FUJITSU MEDIA DEVICES LIMITED

460 Oaza Koyama, Suzaka-shi, Nagano 382-8501 Japan

(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:

SURFACE ACOUSTIC WAVE DEVICE, COMMUNICATION DEVICE USING THE SAME, AND ANTENNA DUPLEXER

for which application for Letters Patent of the United States was filed on

and assigned Serial No.______ (Arent Fox Kintner Plotkin & Kahn, PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known) and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

Toshio NISHIZAWA	Joshio Mishizawa	Oct. 4,'00
	(SIGNATURE)	(DATE)
Masanori UEDA	Mesonori Geele	<u>Oct. 4</u> 00 (DATE)
	(SIGNATURE)	(DATE)
Osamu KAWAUCHI	Osonne Kanarti	<u>Oct. 4 '00</u> (DATE)
	(SIGNATURE)	7
Kiyohide MISAWA	(SIGNATURE)	Oct, 4'00
	(SIGNATURE)	(DATE)
Hiroyuki FURUSATO	Hiroyaki Furusato	<u>Oct, 4'00</u> (DATE)
	(SIGNATURE)	(DATE)
NO LEGALIZATION R	REOUIRED	

RECORDED: 03/13/2003