Form PTO-1595

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04-19-2006



U.S. Department of Commerce Patents & Trademark Office

Attorney Docket No. 025720-00075

Date: March 29, 2006

103182301

I Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of	conveying	party(ies)/Execution	Date(s):

- 1. Shinji TANIGUCHI
- 2. Tokihiro NISHIHARA
- 3. Takeshi SAKASHITA 4. Tsuyoshi YOKOYAMA
- 5. Masafumi IWAKI
- 6. Masanori UEDA
- 7. Tsutomu MIYASHITA

Execution Date(s):	May 18, 2005	

☑ No

3.	Nature	of	conve	vance:
Ο.	Hatuie	O.	COLLAC	yance.

- Assignment
- ☐ Merger ☐ Security Agreement ☐ Change of Name
- Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- Assignee's address on the Notice of Recordation of Assignment document recorded July 6, 2005 at Reel 016756, Frame 0453.

2. Name and address of receiving party(ies):

Name: FUJITSU MEDIA DEVICES LIMITED

Address: 3-12, Shin-Yokohama 2-chome

Kohoku-ku, Yokohama-shi Kanagawa 222-0033

JAPAN

Name: FUJITSU LIMITED

Address:

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

JAPAN

Additional name(s) & address(es) attached?

☐ Yes

⊠ No

4.	Application	number(s)	or	patent	number(s):
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- A. Patent Application No.(s)
 - 11/138,893

B. Patent No.(s)

This document is being filed together with a new application.

Additional numbers attached? ☐ Yes 🛛 No

5.	Name and address of party to whom	n correspondence	concerning
	document should be mailed:	•	_

Name:

Arent Fox PLLC

Street Address:

1050 Connecticut Avenue, N.W., Suite 400

Washington, D.C. 20036-5339

Tel. No.:

202-857-6000

Fax No.:

202-638-4810

Email Address:

dcipdocket@arentfox.com

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 1.21(h) & 3.41)....... \$ 40.00

Included in attached check.

Authorized to be charged by credit card.

Authorized to be charged to Deposit Account.

Any additional fees are authorized to be charged to

deposit account.

8. Payment Information

a. Credit Card Last 4 Numbers:

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Statement and signature.

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 original document.

Charles M. Marmelstein

Name of Person Signing Reg. No. 25,895

March 29.

Total number of pages including cover sheet, attachments, and document: 2

PATENT

REEL: 017494 FRAME: 0593

Form PTO-1595 RECORDATION FORM



U.S. Department of Commerce U.S. Patent and Trademark Office

Attorney Docket Number: 025720-0007 Date: July 6, 2005

	BADEMAR		
To the Director of the U.S. Patent and Trademark Office: record the attached documents or the new address(es) below.			
Name of conveying party(ies)/Execution Date(s)	Name and address of receiving party(ies):		
1. Shinji TANIGUCHI 5. Masafumi IWARI 2. Tokihiro NIISHIHARA 6. Masanori URDA 1400 3. Takeshi SAKASHITA 7. Tsutomir NIYASHITA	Name: FUJITSU MEDIA DEVICES LIMITED		
4. Tsuyoshi YOKOYAMA Execution Date(s): May 18, 2005	Address: 3-12, Shin-Yokohama 2-chome, Kohoku-ku, Yokohama-shi, Kanagawa 222-0033 Japan		
	and		
Additional name(s) of conveying party(ies) attached?	Name: FUJITSU LIMITED		
3. Nature of conveyance:	Address: 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan		
	Additional name(s) & address(es) attached? Yes No		
4. Application number(s) or patent number(s):	is document is being filed together with a new application.		
A. Patent Application Number(s) 11/138,893	B. Patent Number(s)		
Additional numbers attache	d? 🔲 Yes 🔯 No		
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 PLLC	7. Total fee (37 CFR 3.41): \$ 40.00		
Street Address: 1050 Connecticut Avenue, NW Suite 400 Washington, DC 20036-5339	 ☑ Included in attached check number 428980. ☐ Authorized to be charged by credit card. ☐ Authorized to be charged to Deposit Account. ☒ Any additional fees are authorized to be charged to Deposit Account. 		
Telephone Number: 202-857-6000 Fax Number: 202-638-4810	8. Payment Information		
Email Address: dcipdocket@arentfox.com	a. Credit Card Last 4 Numbers: Expiration Date:		
	Deposit Account Number: 01-2300 (Attach duplicate copy of this page if paying by deposit account.)		
	Authorized User Name:		
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Statement and signature. To the best of my knowledge and belief, the foregoing information is to original document.	rue and correct and any attached copy is a true copy of the		
Charles M. Marmelstein July 6, 2005			
Name of Person Signing Signature Date			
Registration Number 25,895 Total number of pages including cover sheet, attachments, and document: 2			

108/2005 MASEYENI 00000003 (113889)

: 30:3021 TECH/317035.1 40,00 02

PATENT REEL: 017494 FRAME: 0594

Docket N	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 inventor(s) (hereinafter ASSIGNOR) by

[Insert ASSIGNEE's Name(s) Address(es)] FUJITSU MEDIA DEVICES LIMITED of 3-12, Shin-Yokohama 2-chome, Kohoku-ku, Yokohama-shi,

Kanagawa 222-0033 Japan, and FUJITSU LIMITED of 1-1, Kamikodanaka 4-chome, Nakahara-ku,

Kawasaki-shi, Kanagawa 211-8588 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, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention entitled

[Title of Invention]

[*If the

PIEZOELECTRIC THIN-FILM RESONATOR AND FILTER AND FABRICATING METHOD

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on

RECORDED: 03/29/2006

May 27, 2005 , Serial No.

11/138,893

(Arent Fox PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

assignment is being filed after the filing of the application, this section must be completed]

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, and any other application claiming priority thereto, 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 inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s) of Assignor(s)]

Shinji Janiquehi' (SIGNATURE)	Shinji Taniguchi (TYPE NAME)	May 18, 2005 (DATE)
Jokihiro nishihara (SIGNATURE)	Tokihiro Nishihara (TYPE NAME)	May 18, 2005
Jakeshi Sakashita (SIGNATURE)	Takeshi Sakashita (TYPE NAME)	May. 18, 2005
Tanjoha Mokoyamar (SIGNATURE)	Tsuyoshi Yokoyama (TYPE NAME)	May. 18, 2005
Masapumi Swapi	Masafumi Iwaki	May. 18 2005
(SIGNATURE) Massanori Cledin	(TYPE NAME) Masanori Ueda	(DATE) 1967, 18, 2005
(SIGNATURE) Tsutomu myashito (SIGNATURE)	(TYPE NAME) Tsutomu Miyashita (TYPE NAME)	(DATE) May. 18, 20.5 (DATE)
(DIGITAT OILE)	(I ITE NAIVE)	(DAIE)

PATENT REEL: 017494 FRAME: 0595