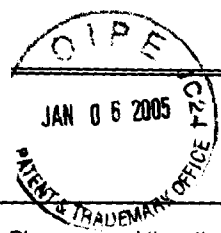


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01-12-2005



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Form PTO-1595
RECORDATION
(Rev. 06/04)

U.S. Department of Commerce
Patents & Trademark Office

Attorney Docket No. 025720-00050
Date: January 6, 2005

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
 (1) Koichi WADA; (2) Satoshi ICHIKAWA; (3) Hirotada WACHI;
 (4) Tohru TAKEZAKI; (5) Tsuyoshi OURA; (6) Toshifumi TANAKA;
 (7) Satoshi ORITO

Execution Date(s): (1) September 22, 2004; (2) September 28, 2004;
 (3) September 30, 2004; (4) September 22, 2004; (5) October 1, 2004;
 (6) September 28, 2004; (7) September 22, 2004

Additional name(s) of conveying party(ies) attached? Yes No

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

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other

4. Application number(s) or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s) B. Patent No.(s)

10/950,975

Additional numbers attached? Yes No

5. Name and address of party to whom 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 3.41)..... \$ 40.00

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 Authorized to be charged by credit card.
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9. 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 January 6, 2005

 Name of Person Signing Signature Date
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Total number of pages including cover sheet, attachments, and document: 2

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 of 3-12, Shin-Yokohama 2-chome, Kohoku-ku, Yokohama-shi, Kanagawa 222-0033 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:

FILTER USING PIEZOELECTRIC MATERIAL

for which application for Letters Patent of the United States was filed on _____, and assigned Serial No. _____ (Arent Fox 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, divisional, 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.

<u>Koichi Wada</u>	<u>Koichi Wada</u>	<u>22 / Sep. / 2004</u>
	(SIGNATURE)	(DATE)
<u>Satoshi Ichikawa</u>	<u>Satoshi Ichikawa</u>	<u>28, Sep., 2004</u>
	(SIGNATURE)	(DATE)
<u>Hirotsada Wachi</u>	<u>Hirotsada Wachi</u>	<u>30, Sep., 2004</u>
	(SIGNATURE)	(DATE)
<u>Tohru Takezaki</u>	<u>Tohru Takezaki</u>	<u>22 / Sep. / 2004</u>
	(SIGNATURE)	(DATE)
<u>Tsuyoshi Oura</u>	<u>Tsuyoshi Oura</u>	<u>01 / Oct / 2004</u>
	(SIGNATURE)	(DATE)
<u>Toshifumi Tanaka</u>	<u>Toshifumi Tanaka</u>	<u>28, Sep., 2004</u>
	(SIGNATURE)	(DATE)
<u>Satoshi Orito</u>	<u>Satoshi Orito</u>	<u>22 / Sep. / 2004</u>
	(SIGNATURE)	(DATE)
_____	_____	_____
	(SIGNATURE)	(DATE)

NO LEGALIZATION REQUIRED