

U.S. PTO
11/704995
02/12/2007

03-06-2007



103378826

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office
POL-5710

For
(R/
Or

To the U.S. Patents and Trademarks: Please record the attached documents or the new address(es) below.

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

Kengo ASAI,
Hisanori MATSUMOTO,
Atsushi ISOBE.

Execution Date(s) January 26, 2007.

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

2. Name and address of receiving party(ies)
Name: Hitachi Media Electronics Co., Ltd.

Internal
Address:

Street Address: 1, Aza-Kitano, Shinjo,
Mizusawa-ku, Oshu, Iwate, JAPAN.

City: State: Zip:

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):

A. Patent Application No.(s)

This document is being filed together with a new application.

B. Patent Registration No.(s)

Additional number(s) attached Yes No

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

Name: Mattingly, Stanger, Malur & Brundidge, P.C.

Address: 1800 Diagonal Road, Suite 370
Alexandria, Virginia 22314

6. Total number of applications and patents involved 1.

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

50-1417

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Daniel J. Stanger

February 12, 2007

Name of Person Signing, Reg. No.: 32,846

Signature

Date

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

2/12/07

11/704995

12/13/2007
14 FC:8021

SSITHIB1 00000066 11704995
40.00 DP

ASSIGNMENT

(譲 渡 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Media Electronics Co., Ltd., a corporation organized under the laws of Japan, located at 1, Aza-Kitano, Shinjo, Mizusawa-ku, Oshu, Iwate, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Media Electronics Co., Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

PIEZOELECTRIC THIN FILM RESONATOR, PIEZOELECTRIC THIN FILM RESONATOR FILTER AND MANUFACTURING METHOD THEREOF

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi Media Electronics Co., Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Media Electronics Co., Ltd.

Signed on the date(s) indicated aside signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	<u>Kengo ASAI</u> <i>Kengo Asai</i>	<u>1/26/2007</u>
2)	<u>Hisanori MATSUMOTO</u> <i>Hisanori Matsumoto</i>	<u>1/26/2007</u>
3)	<u>Atsushi ISOBE</u> <i>Atsushi Isobe</i>	<u>1/26/2007</u>
4)	_____	_____
5)	_____	_____
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____

PATENT

RECORDED: 02/12/2007

REEL: 018994 FRAME: 0523