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U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

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Docket No. XA-10755

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):

MATSUMOTO, Hisanori
ISOBE, Atsushi
ASAI, Kengo

Execution Date(s): 01/27/2007, 01/30/2007, 01/29/2007

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Hitachi Media Electronics Co., Ltd

Address: 1, Aza-Kitano, Shinjo, Mizusawa-ku

City: Oshu

State: Iwate

Country: Japan

Zip: _____

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

4. Application or patent number(s):

A. Patent Application No.(s)

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Mitchell W. Shapiro

Registration No.: 31,568

Address: Miles & Stockbridge P.C.

1751 Pinnacle Drive

Suite 500

City: McLean

State: Virginia Zip: 22102

Phone Number: 703-610-8652

Fax Number: 703/610-8686

Email Address: mwshapiro@milesstockbridge.com

6. Total number of applications and patents involved: 1

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

- ☐ Authorized to be charged to deposit account
☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-1165

Authorized User Name Mitchell W. Shapiro

9. Signature:

Mitchell W. Shapiro

Name of Person Signing

Date February 13, 2007

Total Number of pages including cover sheet, attachments, and documents: 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, VA 22313-1450

02/15/2007 JBALINAN 00000042 11705520

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(40.00 DP)

**PATENT
REEL: 018988 FRAME: 0298**

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

**THIN FILM BULK ACOUSTIC WAVE RESONATOR AND FILTER,
AND RADIO FREQUENCY MODULE USING THEM**

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) | Hisanori MATSUMOTO | <u>Hisanori Matsumoto</u> | <u>1/27/2007</u> |
| 2) | Atsushi ISOBE | <u>Atsushi Isohe</u> | <u>1/30/2007</u> |
| 3) | Kengo ASAI | <u>Kengo Asai</u> | <u>1/29/2007</u> |
| 4) | | | |
| 5) | | | |
| 6) | | | |
| 7) | | | |
| 8) | | | |
| 9) | | | |
| 10) | | | |

PATENT

RECORDED: 02/13/2007

REEL: 018988 FRAME: 0299