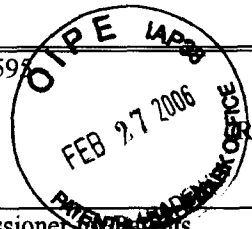


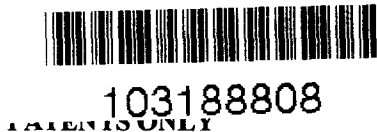
2.27.06

03-03-2006

FORM PTO-1598
(Rev. 6-93)



RECORDED



103188808

DEPT. OF COMMERCE
and Trademark Office

Attorney Docket No.: 47031-5058

To the Commissioner of Patents

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- (1) Minoru HORIGOME
- (2) Toshihiro HIKICHI
- (3) Takashi HABA

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: PIONEER CORPORATION

Address: 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

AND

Name: TOHOKU PIONEER CORPORATION

Address: 1105, Aza Nikko, Oaza Kunomoto,
Tendo-shi, Yamagata, Japan

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

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other _____

Execution Date: (1-3) February 13, 2006

4. New Application number(s) or patent number(s):

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s) 11/293,170

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

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

Name: **Peter J. Sistare**

Internal Address: **DRINKER BIDDLE & REATH LLP**
Customer No. 55694

Street Address: **1500 K. Street, N.W., Suite 1100**

City: **Washington** State: **D.C.** Zip: **20005-1209**

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00

- ☒ Enclosed
- ☐ Authorized to be charged to Deposit Account 50-0573

8. Deposit Account No. 50-0573

(Attach duplicate page if paying by deposit account)

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.

Peter J. Sistare, Reg. No. 48,183

Name of Person Signing

Signature

Total number of pages including cover sheet, attachments and documents: 3

02/28/2006 JADD01 00000009 11293170

02 FC:8021

February 27, 2006

Date

48.00 DP

ATTORNEY DOCKET NO.: -
SOLE/JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

SPEAKER FRAME AND SPEAKER DEVICE HAVING A SPEAKER FRAME

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on __, (Serial No. __); and

WHEREAS, PIONEER CORPORATION, a corporation of Japan, whose post office address is 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan and TOHOKU PIONEER CORPORATION, a corporation of Japan, whose post office address is 1105, Aza Nikko, Oaza Kunomoto, Tendo-shi, Yamagata, Japan, (hereinafter referred to as Assignee), are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. 11/293,170, filed December 5, 2005) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of Sole or First Assignor Minoru HORIGOME	Assignor's Signature <i>Minoru Horigome</i>	Date Feb. 13, 2006
Address c/o Tohoku Pioneer Corporation, 1105, Aza Nikko, Oaza Kunomoto, Tendo-shi, Yamagata, Japan		Citizenship Japan
Full Name of Second Assignor Toshihiro HIKICHI	Assignor's Signature <i>Toshihiro Hikichi</i>	Date Feb. 13, 2006
Address c/o Tohoku Pioneer Corporation, 1105, Aza Nikko, Oaza Kunomoto, Tendo-shi, Yamagata, Japan		Citizenship Japan
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Full Name of Third Assignor Takashi HABA	Assignor's Signature <i>Takahisa Haba</i>	Date <i>Feb. 13, 2006.</i>
Address c/o Tohoku Pioneer Corporation, 1105, Aza Nikko, Oaza Kunomoto, Tendo-shi, Yamagata, Japan		Citizenship Japan
Full Name of Fourth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Fifth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Sixth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Seventh Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Tenth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eleventh Assignor	Assignor's Signature	Date
Address		Citizenship
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

1-WA/1632828.2

PATENT

RECORDED: 02/27/2006

REEL: 017618 FRAME: 0798