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To the Director of the U.S. Patent

original documents or copy thereof.

1. Name of conveying party(ies):
Minoru HORIGOME
Teruaki KAIYA
Yuichi TAKAHASHI
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
PIONEER CORPORATION
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3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

TOHOKU PIONEER CORPORATION
1105, Aza Nikko,
Oaza Kunomoto, Tendo-shi,
Yamagata, Japan

Execution Date: December 5, 2006

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

4. 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)
11/600,121
B. Patent No.(s)
unknown
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE MION, PLLC
WASHINGTON DC SUGHRUE/265550
65565
CUSTOMER NUMBER

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$40.00
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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.

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ASSIGNMENT

Whereas, I/we **Minoru Horigome, Teruaki Kaiya, Yuchi Takahashi**
all of Tendo-shi, Yamagata, Japan

hereinafter called assignor(s), have invented certain improvements in

SPEAKER APPARATUS

and executed an application for Letters Patent of the United States of America therefor on

December 5, 2006; and

Whereas, **PIONEER CORPORATION**
of 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan
and
TOHOKU PIONEER CORPORATION
of 1105, Aza Nikko, Oaza Kunomoto, Tendo-shi, Yamagata, Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys **SUGHRUE MION, PLLC** of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: December 5, 2006 s/ Minoru Horigome
Minoru Horigome

Date: December 5, 2006 s/ Teruaki Kaiya
Teruaki KAIYA

Date: December 5, 2006 s/ Yuichi Takahashi
Yuichi TAKAHASHI

Date: _____ s/ _____

Date: _____ s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)