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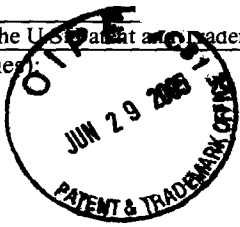


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1. Name of conveying party(ies):  
Hiroyuki KOBAYASHI  
Toshihiro HIKICHI



2. Name and address of receiving party(ies):  
PIONEER CORPORATION  
4-1, Meguro 1-chome,  
Meguro-ku, Tokyo 153-0063, Japan  
  
TOHOKU PIONEER CORPORATION  
1105, Aza Nikkoh,  
Oaza Kunomoto, Tendo-shi,  
Yamagata 994-0012, Japan

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

3. Nature of conveyance:  
 Assignment  Merger  
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Execution Date: April 22, 2005

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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)  
11/072,642

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 OFFICE  
23373  
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6. Total number of applications and patents involved:  
1  
7. Total fee (37 CFR 3.41): \$40.00  
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Darryl Mexic Reg. No. 23,063 June 29, 2005 Date

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## Assignment

Whereas, I/We, HIROYUKI KOBAYASHI and TOSHIHIRO HIKICHI both of c/o Tohoku Pioneer Corporation, 1105, Aza Nikkoh, Oaza Kunomoto, Tendo-shi, Yamagata 994-0012, 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 April 22, 2005 ; and

Whereas, (1) Pioneer Corporation  
4-1, Meguro 1-chome, Meguro-ku,  
Tokyo 153-0063, Japan  
(2) Tohoku Pioneer Corporation  
1105, Aza Nikkoh, Oaza Kunomoto, Tendo-shi,  
Yamagata 994-0012, 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 of the 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 11/072,642 and Confirmation number 1543, filed March 7, 2005) the application number and filing date of said application when known.

Date: Apr. 22, 2005 Hiroyuki Kobayashi  
s/ HIROYUKI KOBAYASHI

Date: APR. 22, 2005 Toshihiro Hikichi  
s/ TOSHIHIRO HIKICHI

Date: \_\_\_\_\_  
S

Date: \_\_\_\_\_  
s/