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PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

Name of conveying party(ies):

Masanori ITO  
Kunio MITOBE  
Osamu TAKAHASHI

3. 4. 03

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

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

j1049 U.S. PTO  
10/377782  
03/04/03

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: February 21, 2003

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

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

10377782

If this document is being filed together with a new application, the execution date of the application is: February 21, 2003

A. Patent Application No.(s)  
NOT YET ASSIGNED

B. Patent No.(s)  
NOT YET ASSIGNED

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

PATENT TRADEMARK OFFICE

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.

*Darryl Mexic*

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March 4, 2003

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

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Box Assignment

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03/19/2003 BBYRME 00000035 10377782

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PATENT  
REEL: 013851 FRAME: 0553

# ASSIGNMENT

Whereas, I/we Masanori ITO,  
Kunio MITOBE and  
Osamu TAKAHASHI all of 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

February 21, 2003 ; 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: February 21, 2003 s/ Masanori Ito

Date: February 21, 2003 s/ Kunio Mitobe

Date: February 21, 2003 s/ Osamu Takahashi

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

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

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

**PATENT**