

*MKB*  
*7-26-00*



101428251

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

1. Name of conveying party(ies):  
Youichi YAMADA, Takeaki FUNADA, Kazuo KAMEI,  
Gen INOSHITA, Kou ATSUMI, Junichi TAKAGAKI  
and Akiharu YAGI

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

3. Nature of conveyance:  
 Assignment  Merger  
 Change of Name  Other  
 Security Agreement

Execution Date: July 24, 2000

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

Name:  
PIONEER CORPORATION

Street Address:  
No. 4-1 Meguro 1-chome,  
Meguro-ku, Tokyc-to, JAPAN

*jc862 U.S. PTO*  
*09/626116*  
*07/26/00*

4. Application number(s) or patent (numbers):  
If this document is being filed together with a new application, the execution date of the application is: July 24, 2000

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached?  Yes  No

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

YOUNG & THOMPSON  
Second Floor  
745 South 23rd Street  
Arlington, VA 22202

6. Total number of applications and patents involved:  
**One**

7. Total fee (37 CFR 3.41).....\$ **40.00**  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit Account No. **25-0120**  
(Attach duplicate copy of this page if paying by deposit account.)

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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.*

Lauren Terry  
Name of Person Signing

*Lauren Terry*  
Signature

July 26, 2000  
Date

Total number of pages including cover sheet: **[2]**

*08/03/2000 WASHINGTON 0000014 09626116 40.00 EP*

**PATENT**

REEL: 010973 FRAME: 0271

A S S I G N M E N T

FOR ONE DOLLAR (\$1.00) and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I (We), Youichi YAMADA, Takeaki FUNADA, Kazuo KAMEI, Gen INOSHITA, Kou ATSUMI, Junichi TAKAGAKI and Akiharu YAGI

being the inventor(s) of certain improvements in APPARATUS AND METHOD FOR SAMPLING AND STORING AUDIO INFORMATION AND APPARATUS FOR OUTPUTTING AUDIO INFORMATION

hereby assign unto PIONEER CORPORATION

having a principal place of business at No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan our entire right, title and interest in and to such invention, together with the patent rights and rights of protection to the same throughout the world, including any patent rights which may result from the application for United States Letters Patent in and to any and all divisions, reissues, continuations and extensions thereof and in and to any Letters Patent that may be granted thereon; said invention, application and Letters Patent that may be granted thereon; said invention, application and Letters Patent to be held and enjoyed by the said assignee for its own use and behoof and for the use and behoof of its successors and assigns, to the full end of the term from which said Letters patent or other rights of protection may be granted, as fully and as entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

WE COVENANT, AGREE AND WARRANT that we have a full and unencumbered title to the invention hereby assigned, and we further covenant and agree that we will, at any time upon request, without further compensation, execute and deliver any and all papers or instruments that in the opinion of the assignee may be necessary or desirable to secure said assignee the full enjoyment of the rights and properties herein conveyed or intended to be conveyed.

IN WITNESS WHEREOF, we have hereunto set out hand and seal this 24th day of July, 2000.

Date: July 24, 2000  
Youichi Yamada

Date: July 24, 2000  
Takeaki Funada

Date: July 24, 2000  
Kazuo Kamei

Date: July 24, 2000  
Gen Inoshita

Date: July 24, 2000  
Kou Atsumi

Date: July 24, 2000  
Junichi Takagaki

Date: July 24, 2000  
Akiharu Yagi

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

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

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

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

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