

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Naoharu YANAGAWA</td><td>11/15/2007</td></tr><tr><td>Akira SHIROTA</td><td>11/15/2007</td></tr></tbody></table>		Name	Execution Date	Naoharu YANAGAWA	11/15/2007	Akira SHIROTA	11/15/2007				
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Akira SHIROTA	11/15/2007										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>PIONEER CORPORATION</td></tr><tr><td>Street Address:</td><td>4-1, Meguro 1-chome, Meguro-ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>153-8654</td></tr></table>		Name:	PIONEER CORPORATION	Street Address:	4-1, Meguro 1-chome, Meguro-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	153-8654
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PROPERTY NUMBERS Total: 1											
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Application Number:	11915432										
CORRESPONDENCE DATA											
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Total Attachments: 1 source=Assignment#page1.tif											

OP \$40.00 11915432

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PATENT  
REEL: 020501 FRAME: 0369

Deed of Assignment (Before Patent)

## ASSIGNMENT

WHEREAS, Naoharu YANAGAWA and Akira SHIROTA of Saitama, Japan

have invented certain new and useful improvements in RECORDING APPARATUS AND  
RECORDING METHOD, AND COMPUTER PROGRAM

for which application for Letters  
(I/we have made—or am/are about to make)

Patent of the United States of America;

AND WHEREAS, PIONEER CORPORATION of 4-1, Meguro 1-chome,  
Meguro-ku, Tokyo 153-8654 Japan

desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the  
United States;

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of

\_\_\_\_\_ Dollars (\$\_\_\_\_\_) to \_\_\_\_\_ in hand paid, the receipt of which is hereby acknowledged \_\_\_\_\_

have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said

\_\_\_\_\_ right, title, and interest in and to the said invention,  
as fully set forth and described in the:

Delete  
Inapplicable  
wording

(a) specification prepared and executed by \_\_\_\_\_ on the 15<sup>th</sup> day of November, 2007

(b) application filed on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, Serial No. \_\_\_\_\_

preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be  
held and enjoyed by the said \_\_\_\_\_

for \_\_\_\_\_ own use and behoof, and for \_\_\_\_\_ legal representatives, to the full end of the term

for which said Letters Patent are granted, as fully and entirely as the same would have been held by

\_\_\_\_\_ had this assignment and sale not been made.

IN TESTIMONY WHEREOF, \_\_\_\_\_ hereunto set \_\_\_\_\_ hand \_\_\_\_\_ and affix \_\_\_\_\_ seal \_\_\_\_\_ at

this 15<sup>th</sup> day of November, A.D. 2007

*Naoharu Yanagawa*

(Inventor's full Signature) Naoharu YANAGAWA

*Akira Shirota*

(Inventor's full Signature) Akira SHIROTA

\* State whether the full and exclusive right, or what part of the whole interest is assigned.