

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | |
|---|--------------------------------|---------------|----------------|---------------------|------------|--------------|------------|---------------|------------|----------------|------------|-------------------|------------|--------------|------------|-----------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>Masahiro MIURA</td><td>06/10/2008</td></tr> <tr><td>Keiji KATATA</td><td>06/10/2008</td></tr> <tr><td>Masahiro KATO</td><td>06/10/2008</td></tr> <tr><td>Eiji MURAMATSU</td><td>06/10/2008</td></tr> <tr><td>Masayoshi YOSHIDA</td><td>06/10/2008</td></tr> <tr><td>Takeshi KODA</td><td>06/10/2008</td></tr> <tr><td>Shoji TANIGUCHI</td><td>06/10/2008</td></tr> </tbody> </table> | | Name | Execution Date | Masahiro MIURA | 06/10/2008 | Keiji KATATA | 06/10/2008 | Masahiro KATO | 06/10/2008 | Eiji MURAMATSU | 06/10/2008 | Masayoshi YOSHIDA | 06/10/2008 | Takeshi KODA | 06/10/2008 | Shoji TANIGUCHI | 06/10/2008 |
| Name | Execution Date | | | | | | | | | | | | | | | | |
| Masahiro MIURA | 06/10/2008 | | | | | | | | | | | | | | | | |
| Keiji KATATA | 06/10/2008 | | | | | | | | | | | | | | | | |
| Masahiro KATO | 06/10/2008 | | | | | | | | | | | | | | | | |
| Eiji MURAMATSU | 06/10/2008 | | | | | | | | | | | | | | | | |
| Masayoshi YOSHIDA | 06/10/2008 | | | | | | | | | | | | | | | | |
| Takeshi KODA | 06/10/2008 | | | | | | | | | | | | | | | | |
| Shoji TANIGUCHI | 06/10/2008 | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | |
| Name: | PIONEER CORPORATION | | | | | | | | | | | | | | | | |
| Street Address: | 4-1, Meguro 1-chome, Meguro-ku | | | | | | | | | | | | | | | | |
| City: | Tokyo | | | | | | | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | | | | | | | |
| Postal Code: | 153-8654 | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12158494</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12158494 | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | |
| Application Number: | 12158494 | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | |
| Fax Number: | (703)685-0573 | | | | | | | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | | | | | |
| Phone: | 7035212297 | | | | | | | | | | | | | | | | |
| Email: | dWASHINGTON@young-thompson.com | | | | | | | | | | | | | | | | |
| Correspondent Name: | YOUNG & THOMPSON | | | | | | | | | | | | | | | | |
| Address Line 1: | 209 Madison Street | | | | | | | | | | | | | | | | |
| Address Line 2: | Suite 500 | | | | | | | | | | | | | | | | |
| Address Line 4: | ALEXANDRIA, VIRGINIA 22314 | | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 8048-1314 | | | | | | | | | | | | | | | | |

OP \$40.00 12158494

PATENT

500578602

REEL: 021160 FRAME: 0229

NAME OF SUBMITTER:

Eric Jensen

Total Attachments: 1

source=ASSIGNMENT#page1.tif

ASSIGNMENT

WHEREAS, Masahiro MIURA, Keiji KATATA, Masahiro KATO, Eiji MURAMATSU, Masayoshi YOSHIDA, Takeshi KODA, and Shoji TANIGUCHI of Saitama Japan

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

for which application for Letters Patent of the United States of America; (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 10th day of June, 2008

(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 10th day of June, A.D. 2008

Masahiro Miura (Inventor's full Signature) Masahiro MIURA

Masahiro Kato Masahiro KATO

Masayoshi Yoshida Masayoshi YOSHIDA

Shoji Taniguchi Shoji TANIGUCHI

Keiji Katata (Inventor's full Signature) Keiji KATATA

Eiji Muramatsu Eiji MURAMATSU

Takeshi Koda Takeshi KODA

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