

PATENT ASSIGNMENT

Electronic Version v1.1
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| 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>Wataru HASEGAWA</td> <td>01/30/2009</td> </tr> <tr> <td>Toshiyuki KANEKO</td> <td>01/30/2009</td> </tr> <tr> <td>Takashi NAKAMURA</td> <td>01/30/2009</td> </tr> <tr> <td>Tetsuya HAYASHI</td> <td>01/30/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Wataru HASEGAWA | 01/30/2009 | Toshiyuki KANEKO | 01/30/2009 | Takashi NAKAMURA | 01/30/2009 | Tetsuya HAYASHI | 01/30/2009 |
| Name | Execution Date | | | | | | | | | | |
| Wataru HASEGAWA | 01/30/2009 | | | | | | | | | | |
| Toshiyuki KANEKO | 01/30/2009 | | | | | | | | | | |
| Takashi NAKAMURA | 01/30/2009 | | | | | | | | | | |
| Tetsuya HAYASHI | 01/30/2009 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| Name: | PIONEER CORPORATION | | | | | | | | | | |
| Street Address: | 4-1, Meguro 1-chome | | | | | | | | | | |
| Internal Address: | 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>12439898</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12439898 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12439898 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 8048-1354 | | | | | | | | | | |
| NAME OF SUBMITTER: | Eric Jensen | | | | | | | | | | |

OP \$40.00 12439898

Total Attachments: 1
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ASSIGNMENT

WHEREAS, Wataru HASEGAWA, Toshiyuki KANEKO, Takashi NAKAMURA and Tetsuya HAYASHI of Saitama, Japan

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

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 30th day of January, 2009

(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 30th day of January, A.D. 2009

Wataru HASEGAWA (Inventor's full Signature) Wataru HASEGAWA Takashi NAKAMURA Takashi NAKAMURA

Toshiyuki KANEKO (Inventor's full Signature) Toshiyuki KANEKO Tetsuya HAYASHI Tetsuya HAYASHI

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