

07/01/04

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Q82350

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1. Name of conveying party(ies):
 Tsutomu KAWAMOTO
 Shigemori AZUMA
 Tokiya ISHIKAWA

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

2. Name and address of receiving party(ies):
 PIONEER CORPORATION
 No. 4-1, Meguro 1-chome, Meguro-ku,
 Tokyo, Japan

17658 U.S. PTO
 10/880491

 070104

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

Execution Date: June 18, 2004

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

4. Application number(s) or patent number(s): 10/880491
 If this document is being filed together with a new application, the execution date of the application is: June 18, 2004

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
 CUSTOMER NUMBER

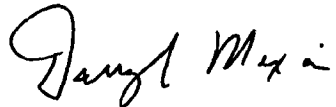
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
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ASSIGNMENT

Whereas, I/we Tsutomu KAWAMOTO, Shigemori AZUMA and Tokiya ISHIKAWA
all of Shizuoka, Japan

hereinafter called assignor(s), have invented certain improvements in

FLAT DISPLAY APPARATUS

and executed an application for Letters Patent of the United States of America therefor on

June 18, 2004; and

Whereas,

1. PIONEER CORPORATION of No.4-1, Meguro 1-chome, Meguro-ku, Tokyo, 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: June 18, 2004 s/ Tsutomu Kawamoto

Date: June 18, 2004 s/ Tokiya Ishikawa

Date: June 18, 2004 s/ Shigemori Azuma

Date: s/ _____

Date: s/ _____

Date: s/ _____

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