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1. Name of conveying party(ies):

Kazuaki SAKATA
Masaru NISHIMURA
Atsushi HIROTA
Tsutomu TOKUNAGA
Hai LIN

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

PIONEER CORPORATION
4-1, Meguro 1-chome,
Meguro-ku, Tokyo, JapanAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: June 6, 2005

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
11/110,957B. Patent No.(s)
UnknownAdditional 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

- ☒ Enclosed.
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*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.*Jeffrey A. Schmidt #41,574
Barry Mexico

Reg. No. 23,063

July 21, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 3

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PATENT
REEL: 016797 FRAME: 0030

ASSIGNMENT

In consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree to assign, and hereby do assign, transfer, and set over to:

Pioneer Corporation

having the address:

4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(hereinafter designated as the "ASSIGNEE") the entire right, title, and interest for the United States and all foreign countries (including protection in foreign countries via the Patent Cooperation Treaty), in the invention, and all applications for patent and any Letters Patent which may be granted therefor, the application being known by the Title:

PLASMA DISPLAY APPARATUS AND DRIVING METHOD OF A PLASMA DISPLAY PANEL

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on April 21, 2005

serial No. 11/110,957

1. The undersigned agree to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

2. The undersigned agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the ASSIGNEE in every way possible in obtaining evidence and going forward with such interference.

3. The undersigned agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial property or similar agreements.

4. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

5. The undersigned hereby authorize and request the commissioner of Patents in the United States and the appropriate national or regional authority in each foreign country to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE, as ASSIGNEE of the entire interest, and hereby covenants that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute, any agreement in conflict herewith.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned names.

The undersigned hereby authorize the firm of

SUGHRUE MION, PLLC at the address of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213,
U.S.A.

to insert hereon any further identification necessary or desirable for recordation of this document.

June 6, 2005
Date

Kazuaki Sakata
Typed Name: Kazuaki SAKATA

June 6, 2005
Date

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Typed Name: Masaru NISHIMURA

June 6, 2005
Date

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