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U.S. DEPARTMENT OF COMMERCE

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102315839

To the Honorable Commissioner of Pat.

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Tsutomu TOKUNAGA
Nobuhiko SAEGUSA
Kazuo YAHAGI
Mitsushi KITAGAWA
RyoSUZUE
Eishiro OTANI
Yoichi SATO

12.13.02

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

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

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

Shizuoka Pioneer Corporation
15-1, Nishinoya, Washizu, Fukuroi-shi, Shizuoka, Japan

3. Nature of conveyance:

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

Execution Date: November 12, 2002, November 11, 2002,
November 11, 2002, November 12, 2002, November 11,
2002, November 14, 2002, and November 14, 2002

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)
10/242,666

B. Patent No.(s)

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

PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved:

1

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

- ☒ Enclosed.
☐ Authorized to be charged to Deposit Account No. 19-4880.

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9. Statement and signature.

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.

Darryl Mexic

Reg. No. 23,063

December 13, 2002

Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks

Box Assignment

Washington, D.C. 20231

The FTO did not receive the following
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PATENT

REEL: 013579 FRAME: 0087

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

and

Shizuoka Pioneer Corporation of 15-1, Nishinoya, Washizu,
Fukuroi-shi, Shizuoka, 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:

DISPLAY DEVICE AND METHOD OF DRIVING DISPLAY PANEL

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

filed on September 13, 2002,

serial No. 10/242,666

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.

Nov. 12, 2002

Date

Tsutomu Tokunaga

Typed Name: Tsutomu TOKUNAGA

Nov. 11, 2002

Date

Nobuhiko Saegusa

Typed Name: Nobuhiko SAEGUSA

Nov. 11, 2002

Date

Kazuo Yahagi

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Date

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Date

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