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Priority Docket No. P7156-8019

Date: April 15, 1998

100689809

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof

1. Name of conveying party(ies)

Tetsuya SHIGETA; Hitoshi MOCHIZUKI

Additional name(s) of conveying party(ies) attached?

Yes No

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

Name: PIONEER ELECTRONIC CORPORATION

Internal Address: _____

Street Address: 4-1 Meguro 1-chome

Meguro-ku, Tokyo 153-0063, JAPAN

City: _____ State: _____ Zip: _____

Additional name(s) & address(es) attached?

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: April 1, 1998

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: April 1, 1998

A. Patent Application No.(s)

New Application

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: NIKAIDO, MARMELSTEIN, MURRAY & ORAM LLP

Internal Address: _____

Street Address: Metropolitan Square, 655 15th St., N.W.,

Suite 330 - G Street Lobby

City: Washington State: DC Zip: 20005-5701

04/17/1998 SCHAPMAN 00000056 09060365

02 PC:581

40.00 DP

6. Total number of applications and patents involved:

1

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

Included in check #16109 enclosed

Any additional fees are authorized to be charged to deposit account

8. Deposit account number:

14-1060

(Attach duplicate copy of this page if paying by deposit account)

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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.

Ellen Marcie Emas
Name of Person Signing
Reg. No. 32,131

Signature

April 15, 1998
Date

Total number of pages including cover sheet, attachments and document: 2

PATENT

REEL: 9098 FRAME: 0556

Docket No. _____

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

Pioneer Electronic Corporation of
4-1 Meguro 1-chome, Meguro-ku, Tokyo 153-0063 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

"HALF TONE DISPLAY METHOD FOR A DISPLAY PANEL"

[Title of
Invention]

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

[*If the assignment
is being filed
after the
filing of the
application, this
section must be
completed]

*filed on _____, Serial No. _____

(Nikaido, Marmelstein, Murray & Oram is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)]

<u>Tetsuya Shigeta</u>	<u>Tetsuya SHIGETA</u>	<u>April 1, 1998</u>
(SIGNATURE)	(TYPE NAME)	(DATE)
<u>Hitoshi Mochizuki</u>	<u>Hitoshi MOCHIZUKI</u>	<u>April 1, 1998</u>
(SIGNATURE)	(TYPE NAME)	(DATE)
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PATENT