Form PTO-1595 1-31-92

Q50798

09-18-1998



U.S DEPARTMENT OF COMMERCE Patent and Trademark Office

j	00	23	4	7	<b>つ</b>	A
. 4	VV	-	-	Ŧ	_	τ.

1008	334726			
	Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): Kenichiro HOSOI, Mitsushi KITAGAWA and Nozomu KIKUCHI	Name and address of receiving party(ies)?     Name:     PIONEER ELECTRONIC CORPORATION			
	Internal Address:			
Additional name(s) of conveying party(ies) attached?	4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan Street Address: Same as above			
3. Nature of Conveyance:	City State Zip			
x_ Assignment Merger	Additional name(s) & address(es) attached?yesx no			
Security Agreement Change of Name				
Other				
Execution Date: July 25, 1998				
4. Application number(s) or patent number(s):				
If this document is being filed together with a new appli	cation, the execution date of the application is:			
A. Patent Application No.(s)	B. Patent No(s).			
09/102,930				
Additional numbers a	ttached? Yes x No			
5. Name and address of party to whom correspondence concerning document should be mailed:  SUGHRUE, MION, ZINN, MACPEAK & SEAS	6. Total number of applications and patents involved: One (1)			
2100 Pennsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037-3202	7. Total Fee (37 CFR 3.41): \$\frac{40.00}{x}  Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.			
	Authorized to be charged to Deposit Account			
	8. Deposit Account No.			
	(Attach dupl. copy of this page if paying by Deposit Account)			
DO NOT UR	ITE IN THIS SPACE			
9. Statement and Signature.				
copy of the original document.	formation is true and correct and any attached copy is a true			
Name Darryl Mexic Reg. No. 23,063	September 9, 1998			
Name Darpyl Mexic Reg. No. 23,063	Date			
TOTAL NUMBER OF	PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 9 3			
OMB No. 0651-0011 (exp. 4/94)	8			
Do not detach this portion				
Do not detach this portion  Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks  Box Assignments  Washington, D.C. 20231				
Box Assignments  Washington, D.C. 20231				
8 S				

**REEL: 9450 FRAME: 0968** 

## 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 Electronic 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:

## DRIVING APPARATUS FOR 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	June 24, 1998	
Serial No	09/102,930	

- 1. The undersigned agree to execute all papers necessary in connection with the application and any continuing or devotional 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.
ullet

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

The undersigned hereby authorize the firm of SUGHRUE, MION, ZINN, MACPEAK & SEAS at the address of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202, U.S.A.

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

July 25, 1998	KENICHIRO HOSOI
Date	Typed Name: Kenichiro HOSOI
7.1	LATTERIAL LATTACATIA
July 25, 1998	MITSUSHI KITAGAWA
Date	Typed Name: Mitsushi KITAGAWA
July 25 1998	Nozomu KIKUCHI
July 25, 1998 Date	Typed Name: Nozomu KIKUCHI
Date	Typed Name:
Date	Typed Name:

Page 2 of 2