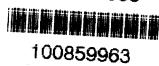
12-15-1998

Form PTO-1595



225-007921-US(PAR)

HEET

Commissioner of Patents and 1._

I. Name of conveying party(ies):	2. Name and address of receiving party(ies):	
1. Takamasa YOSHIKAWA 5. Shingo IWASAK	Name: Pioneer Electronic Corporation	
2. Kiyohide OGASAWARA 6. Nobuyasu NEGIS		
3. Hiroshi ITO 7. Takashi CHUMA	N	
4. Masataka YAMAGUCHI		
Additional name(s) of conveying party(ics) attached? LI Yes 🔯 No	Address: 4-1 Meguro I-chomo	
	,	
3. Nature of Conveyance:	Meguro-ku	
3. Nature of Conveyance.	City Tollygo	
□ Assignment □ Merger	City. Tokyo State: ZIP Code:	
Security Agreement Change of Name	State. ZIP Code:	
Other:	Country, Japan	
	Country, Japan	
Execution Date: 1,2,3,5,6,7 all signed April 13, 1998;	Additional name(s) & address(cs) attached? Yes No	
4 signed April 14, 1998		
4. Application number(s) or patent number(s):		
If this document is being filed together with a new application		
A. Patent Application No.(s):	D. Patent No.(s):	
09/044,819	` 	
Additional numbers	attached? Yes No	
5. Name and address of party to whom correspondence	6. Total number of applications	
concerning document should be mailed.	and/or patents involved:	
	7. Total fee (37 CFR 3.41):	
Name: Clarence A. Green	7, Total lee (37 CFR 3.41);540.00	
,	D Parland	
	⊠ Enclosed	
425 Post Road	Charge deposit account	
	Please charge any fee deliciency to deposit account	
City: Fairfield		
Commence of the control of the contr		
State: CT ZIP Code: 06430-6232	8. Deposit account number: 16-1350	
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9. Statement And Signature:		
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To the best of my knowledge and beltef, the foregoing information is true and correct and, the attached		
document is either an original focume	ent or a true oppy of the original document.	
6-2-9f		
Clarence A. Green		
Name of Person Signing Signature Date		
	Total number of pages including cover sheet(s): 3	
The state of the s	Page Lof I	

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, Moguro 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:

ELECTRON EMISSION DEVICE AND DISPLAY DEVICE USING THE SAME

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

filed on	March 20,	1998	
Scrial No.	09/044,819	•	*

- 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.

Page 1 of 2

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 horeby authorize the firm of PERMAN & GREEN, LLP at the address of 425 Post Road, Fairfield, Connecticut 06430-6232, U.S.A.

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

April 13.1998	Typed Name: Takamasa Vishikawa
/ Date	Typed Name: Takamasa YOSHIKAWA
april 13, 1988	Kiyohida Ogaranna Typed Name: Kiyohide OGASAWARA
pace	/ Typed Name: KIYONIGE OCASAWAKA
April. 13. 1998	Vinushi Ito Typed Name: Hiroshi 170
Date	Typed Name: Hiroshi 170
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'pate	Typed Name: Masataka YAMAGUCHI
April 13, 1998	Shingo Iwasaki Typed Name: Shingo Twasaki
Date	Typed Name: Shingo IWASAKI
April 13, 1998	Nobuyasu Negishi Typed Name: Nobuyasu NEGISHI
Date	Typed Name: Nobuyasu NEGISIII
April 13.1998	Takashi Chuman
Date	Typed Name: Takashi CHUMAN
Date	Typed Name:

Page 2 of 2