02-23-2004

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102674432 Attorney Docket No. 107156-00229 Date: February 13, 2004

2.13.04  To the Assistant Commissioner of Patents Please record the attached original documents or copy thereof	
1. Name of conveying party(ies)  Shigeo IDE Tomihiro OGUCHI  Additional name(s) of conveying party(ies) attached?  Yes No  3. Nature of conveyance:  Assignment Merger Security Agreement Change of Name Other Execution Date: Jan. 21, 2004	2. Name and address of receiving party(ies):  Name: Pioneer Corporation  Address: 4-1, Meguro 1-chome,
<ul> <li>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: Jan. 21, 2004 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? ☐ Yes ☒ No </li> </ul>	
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved:     One
Name: Arent Fox Kintner Plotkin & Kahn PLLC Street Address: 1050 Connecticut Avenue, N.W., Suite 400 Washington, D.C. 20036-5339	7. Total fee (37 CFR 3.41)\$ 40.00  Included in attached check.  Any additional fees are authorized to be charged to deposit account
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## ARENT FOX KINTNER PLOTKIN & KAHN, PLLC

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## 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 Pioneer Corporation of [Insert 4-1, Meguro 1-chome, Meguro-ku, Tokvo, ASSIGNEE's Name(s) Address(es)] (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 "FLAT PANEL TYPE DISPLAY APPARATUS" l'Title of Invention] for which application for Letters Patent of the United States was executed on even date herewith unless [\*If the assignment otherwise indicated below: is being filed after the \_\_\_\_\_, Serial No. \_\_\_\_ filing of the \*filed on application, this section must be (Arent Fox Kintner Plotkin & Kahn, PLLC, Nikaido, Marmelstein, Murray & Oram Intellectual completed] Property Group 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). Shigeo Ide (SIGNATURE) Shigeo IDE [Signature(s)] (TYPE NAME) Jan. 21. 2009 Tomihiro Oguchi
(SIGNATURE) Tomihiro OGUCHI (TYPE NAME) (TYPE NAME) (SIGNATURE) (DATE) (TYPE NAME) (DATE) (SIGNATURE) (TYPE NAME) (DATE) (SIGNATURE) (SIGNATURE) (TYPE NAME) (DATE) (TYPE NAME) (DATE) (SIGNATURE)

NO LEGALIZATION REQUIRED

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