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(54) **Digital electrophoretic display panel driving method and apparatus**

(57) The present invention discloses a digital electrophoretic display panel driving method and apparatus, the driving device digitally reads a setup value from a memory to eliminate manual adjustment to save labor and to avoid manual adjustment error, and also to reduce a voltage error of a common electrode voltage (V_{com}). The digital electrophoretic display panel driving device comprises a panel driving memory disposed on the electrophoretic display panel and coupled with a connecting circuit for a system board to read the data in the panel driving memory via the connecting circuit.

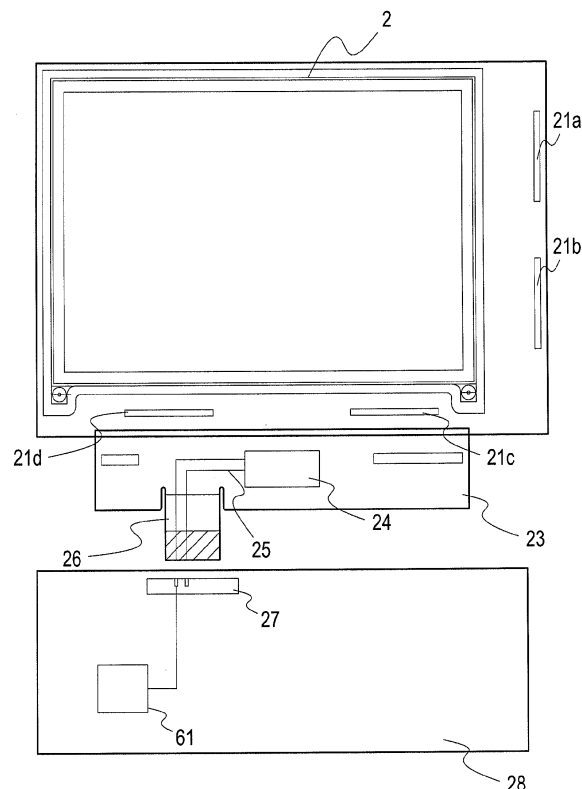


FIG. 2A



EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2005/024353 A1 (AMUNDSON KARL R [US] ET AL) 3 February 2005 (2005-02-03) * paragraphs [0016], [0143] - [0149], [0198]; figures 1,2,7,8 *	1-11	INV. G09G3/34
A	US 2001/038385 A1 (NEGOI ANDY CATALIN [CH] ET AL) 8 November 2001 (2001-11-08) * paragraphs [0019] - [0022] *	1-11	
A	WO 2005/031689 A1 (KONINKL PHILIPS ELECTRONICS NV [NL]; PHILIPS CORP [US]; ZHOU GUOFU [NL] 7 April 2005 (2005-04-07) * the whole document *	1-11	
			TECHNICAL FIELDS SEARCHED (IPC)
			G09G
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 29 March 2010	Examiner Kunze, Holger
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

 2
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 17 1951

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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29-03-2010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005024353 A1	03-02-2005	US 2009179923 A1	16-07-2009

US 2001038385 A1	08-11-2001	CN 1366657 A	28-08-2002
		WO 0180211 A1	25-10-2001
		JP 2003531407 T	21-10-2003
		TW 234134 B	11-06-2005

WO 2005031689 A1	07-04-2005	CN 1860514 A	08-11-2006
		EP 1671307 A1	21-06-2006
		JP 2007507727 T	29-03-2007
		KR 20060088882 A	07-08-2006
