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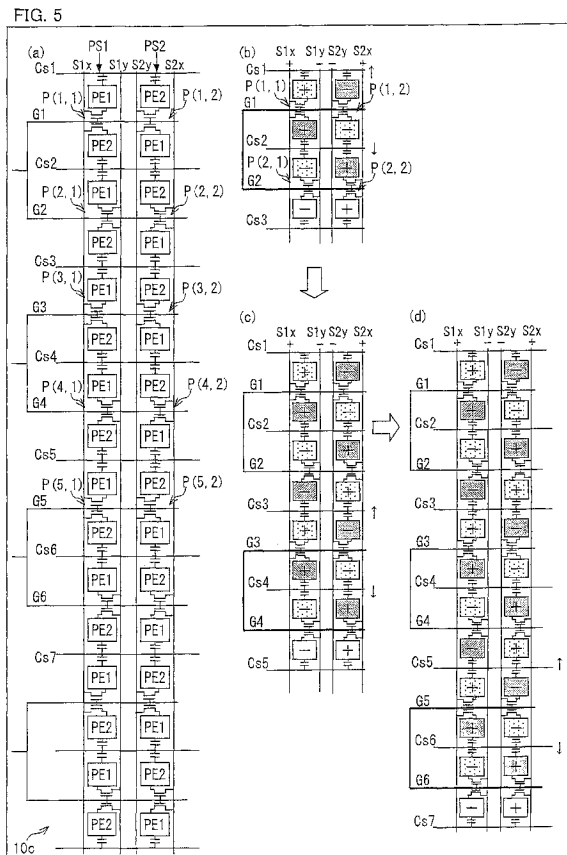
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(54) **Liquid crystal display, liquid crystal display driving method, and television receiver**

(57) First and second data signal lines (for example, S1x, S1y) are provided for a column of pixels (for example, PS 1), and signal potentials of opposite polarity to each other are supplied to the data signal lines respectively. A predetermined pixel (P(1,1)) is taken as the first pixel. A pixel (for example, P(2,1) for n=i=1) other than the (2xnxi+1)-th pixel in the scanning direction is connected to a data signal line (for example, S1y) different from that connected to the previous pixel, whereas the (2xnxi+1)-th pixel (for example, P(3,1) for n=i=1) is connected to the same data signal line (for example, S1y) as that connected to the previous pixel. The polarity of the signal potential supplied to each data signal line is inverted every n horizontal scanning periods (for example, 1H). Every adjacent t two scan signal lines starting from the scan signal line (G1) connected to the predetermined pixel are sequentially selected at the same time among scan signal lines (G1, G2, ...). A liquid crystal display with this structure enables an increase of the pixel charging time as well as prevention of flickering.





EUROPEAN SEARCH REPORT

Application Number  
EP 12 16 2005

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A	* abstract * * paragraphs [0015], [0020] - paragraph [0028]; figures 1,2 *	8,9		
Y	EP 1 564 714 A2 (SHARP KK [JP]) 17 August 2005 (2005-08-17)	1-7		
A	* paragraph [0277] - paragraph [0300]; figures 15,16; table 1 *	8,9		
Y	US 2007/132684 A1 (BAEK SEUNG-SOO [KR] ET AL) 14 June 2007 (2007-06-14)	5		
A	* paragraph [0069] - paragraph [0071]; figure 6B *	8,9		
Y	US 2004/046901 A1 (MATSUOKA HIDEKI [JP] ET AL) 11 March 2004 (2004-03-11)	7		
A	* abstract * * paragraph [0069] - paragraph [0073]; figures 5a,5b *	8,9		
The present search report has been drawn up for all claims				TECHNICAL FIELDS SEARCHED (IPC)
				G09G G02F
1	Place of search Munich	Date of completion of the search 26 June 2012	Examiner Adarska, Veneta	
CATEGORY OF CITED DOCUMENTS		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		
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				

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ANNEX TO THE EUROPEAN SEARCH REPORT  
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The members are as contained in the European Patent Office EDP file on  
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专利名称(译)	液晶显示器，液晶显示器驱动方法和电视接收器		
公开(公告)号	<a href="#">EP2472503A3</a>	公开(公告)日	2012-08-01
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优先权	2007338259 2007-12-27 JP		
其他公开文献	EP2472503A2		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

为一系列像素（例如，PS 1）提供第一和第二数据信号线（例如，S1x，S1y），并且将彼此相反极性的信号电位分别提供给数据信号线。将预定像素（P（1,1））作为第一像素。除扫描方向上的第（2xnxi + 1）像素之外的像素（例如，n = i = 1的P（2,1））连接到与其不同的数据信号线（例如，S1y）。连接到前一个像素，而第（2xnxi + 1）个像素（例如，n = i = 1的P（3,1））连接到与连接相同的数据信号线（例如，S1y）到前一个像素。提供给每条数据信号线的信号电位的极性每n个水平扫描周期（例如，1H）反转。从连接到预定像素的扫描信号线（G1）开始的每个相邻t两条扫描信号线在扫描信号线（G1，G2，...）中被同时顺序选择。具有这种结构的液晶显示器能够增加像素充电时间以及防止闪烁。

