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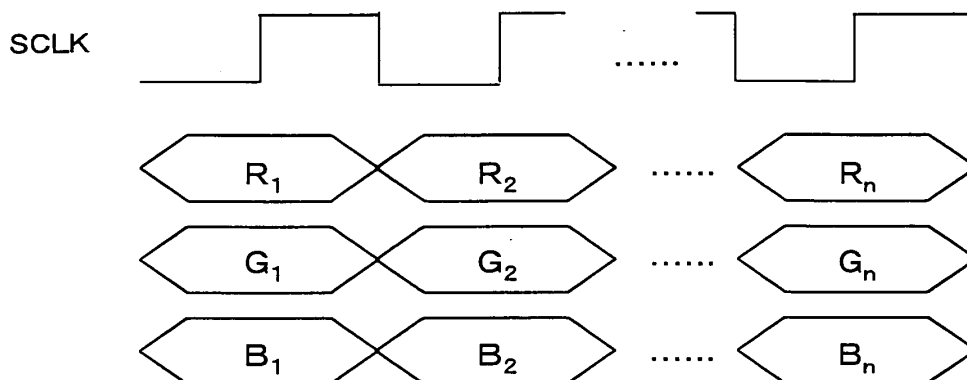
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(54) **Liquid crystal display device, driving device for liquid crystal display panel, and liquid crystal display panel**

(57) Pixel electrodes in odd-numbered rows of a liquid crystal display panel are connected to source lines arranged on the left side of the pixel electrodes, respectively. Further, Pixel electrodes in even-numbered rows are connected to source lines arranged on the right side of the pixel electrodes, respectively. A potential setting section outputs potentials higher than a common elec-

trode potential V_{COM} and potentials lower than V_{COM} from respective potential output terminals D_1 to D_n alternately in order of arrangement of the potential output terminals. Further, potential output higher than V_{COM} and potential output lower than V_{COM} are switched per selection period. A switch section switches, per selection period, between output terminals O_k and O_{k+1} to either of which an input terminal I_k is to be connected.

Fig. 2



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EUROPEAN SEARCH REPORT

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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)
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A	* figures 2-3 *	1-20	

A	US 2009/195492 A1 (TAKAHASHI HIROYUKI [JP]) 6 August 2009 (2009-08-06) * figures 1-6 * * paragraph [0039] - paragraph [0094] *	1-21	

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			TECHNICAL FIELDS SEARCHED (IPC)
			G09G
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28 August 2012	Examiner Husselin, Stephane
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	

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

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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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28-08-2012

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专利名称(译)	液晶显示装置，液晶显示面板的驱动装置和液晶显示面板		
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优先权	2010154897 2010-07-07 JP 2009244732 2009-10-23 JP		
其他公开文献	EP2315197A2 EP2315197B1		
外部链接	Espacenet		

摘要(译)

液晶显示面板的奇数行中的像素电极分别连接到布置在像素电极左侧的源极线。此外，偶数行中的像素电极分别连接到布置在像素电极右侧的源极线。电势设定部分按照电势输出端子的排列顺序交替地从各个电势输出端子D1到Dn输出高于公共电极电势VCOM的电势和低于VCOM的电势。此外，每个选择周期切换高于VCOM的电位输出和低于VCOM的电位输出。开关部分在每个选择周期内在输出端子Ok和Ok + 1之间切换到要连接输入端子Ik的任何一个。

Fig. 2

