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(54) **Reflective liquid crystal display and driving method thereof**

(57) A reflective liquid crystal display (LCD) includes an LCD panel having an upper electrode layer and a lower electrode layer and a plurality of color filters, including a red color filter, a green color filter and a blue color filter, to selectively filter white light; and a driver for driving the upper and lower electrode layers of the LCD panel to interpose non-display periods between display periods for displaying a desired color by mixing a combination of red light, green light and blue light, wherein during the non-display periods, the driver drives the upper and lower electrode layers to display white light, which includes all of the red, green and blue light, and none of the red, green and blue light at different, distinct time periods. The LCD according to the present invention is able to adjust the luminance of the display according to circumstances.

FIG. 5

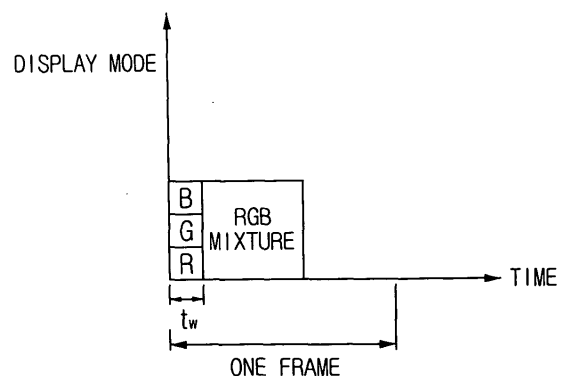
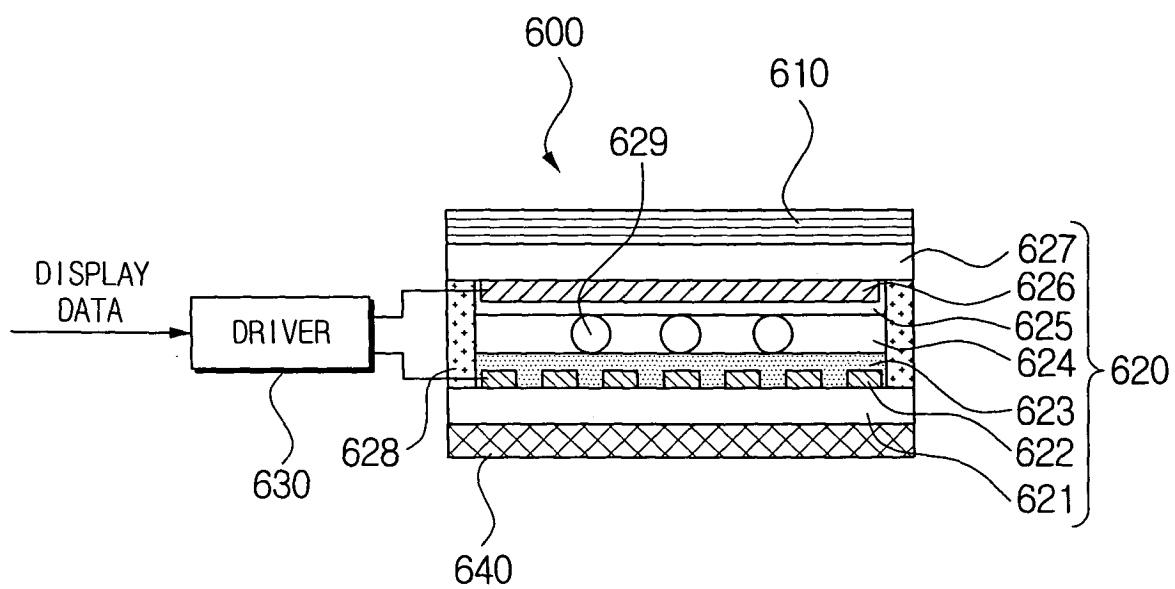


FIG. 6





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 03 01 6343

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	WO 00/77566 A (AUGUSTO, CARLOS, J., R., P) 21 December 2000 (2000-12-21) * abstract * * page 5, lines 1-31; figure 1 *	1,5-7	
A	WU S & AL: "Desing of a Reflective Color LCD Using Optical Interference Reflectors" ASIA DISPLAY, 16 October 1995 (1995-10-16), pages 929-930, XP002148248 * the whole document *	1,5-7	
E	EP 1 359 459 A (SAMSUNG ELECTRONICS CO., LTD) 5 November 2003 (2003-11-05) * the whole document *	1,5-7	TECHNICAL FIELDS SEARCHED (IPC) G09G G02F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 1 March 2006	Examiner Wolff, L
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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EPO FORM 1503 03.82 (P04C01)

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

EP 03 01 6343

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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专利名称(译)	反射型液晶显示器及其驱动方法		
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[标]申请(专利权)人(译)	三星电子株式会社		
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其他公开文献	EP1385140A2 EP1385140B1		
外部链接	Espacenet		

摘要(译)

反射型液晶显示器 (LCD) 包括具有上电极层和下电极层的LCD面板和多个滤色器, 包括红色滤色器, 绿色滤色器和蓝色滤色器, 以选择性地过滤白光;用于驱动LCD面板的上电极层和下电极层的驱动器, 用于通过混合红光, 绿光和蓝光的组合来在显示周期之间插入非显示周期以显示所需颜色, 其中在非显示周期期间, 驱动器驱动上下电极层以显示白光, 其包括所有红色, 绿色和蓝色光, 并且在不同的不同时间段不包括红色, 绿色和蓝色光。根据本发明的LCD能够根据情况调节显示器的亮度。

FIG. 5

