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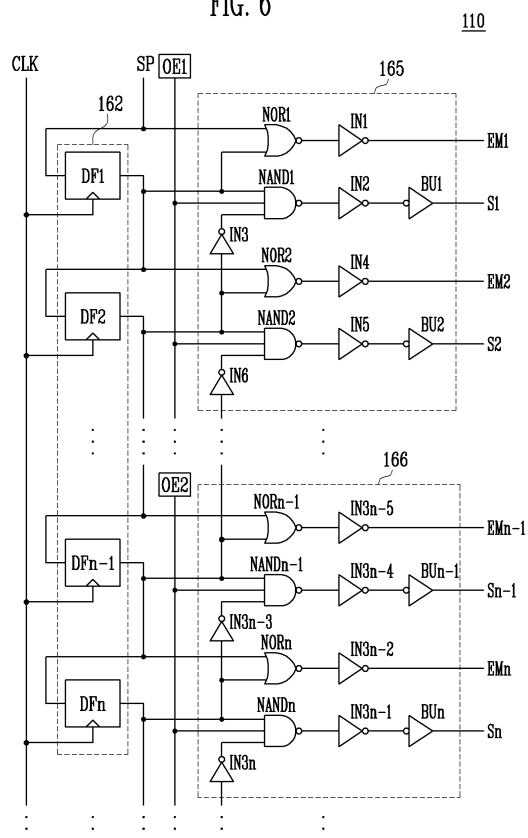
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(54) **Scan driver, organic light emitting display using the same, and method of driving the organic light emitting display**

(57) A scan driver capable of freely setting the width of emission control signals and of dividing the emission control signals at least twice in one frame to apply the emission control signals is disclosed. Embodiments of the scan driver include a shift register, receiving at least two start pulses in one frame to sequentially shift the start pulses in response to a clock signal and to thus generate at least two sampling pulses, and at least two signal generators for combining the at least two sampling pulses and at least two output enable signals with each other to supply scan signals to scan lines, and for combining the at least two sampling pulses output from the shift register with each other to supply at least two emission control signals to emission control signals lines in one frame. At least two emission control signals are supplied to emission control signal lines in one frame so that it is possible to change the brightness of the display without generating a flicker.

FIG. 6





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 06 11 3118

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	EP 1 424 674 A (MATSUSHITA ELECTRIC IND CO LTD [JP]) 2 June 2004 (2004-06-02) * figure 6 *		
			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 12 December 2006	Examiner LE CHAPELAIN, B
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.**

EP 06 11 3118

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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12-12-2006

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专利名称(译)	扫描驱动器，使用其的有机发光显示器，以及驱动有机发光显示器的方法		
公开(公告)号	EP1717790A3	公开(公告)日	2007-01-17
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申请(专利权)人(译)	三星SDI CO. , LTD.		
当前申请(专利权)人(译)	三星移动显示器有限公司.		
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其他公开文献	EP1717790A8 EP1717790A2 EP1717790B1		
外部链接	Espacenet		

摘要(译)

公开了一种扫描驱动器，其能够自由地设置发射控制信号的宽度并且在一帧中将发射控制信号分成至少两次以施加发射控制信号。扫描驱动器的实施例包括移位寄存器，在一帧中接收至少两个起始脉冲以响应于时钟信号顺序地移位起始脉冲并因此产生至少两个采样脉冲，并且至少两个信号发生器用于组合至少两个采样脉冲和至少两个输出使能信号彼此提供扫描信号到扫描线，并且用于将从移位寄存器输出的至少两个采样脉冲相互组合以向发射提供至少两个发射控制信号控制一帧中的信号线。至少两个发射控制信号被提供给一帧中的发射控制信号线，使得可以改变显示器的亮度而不产生闪烁。

