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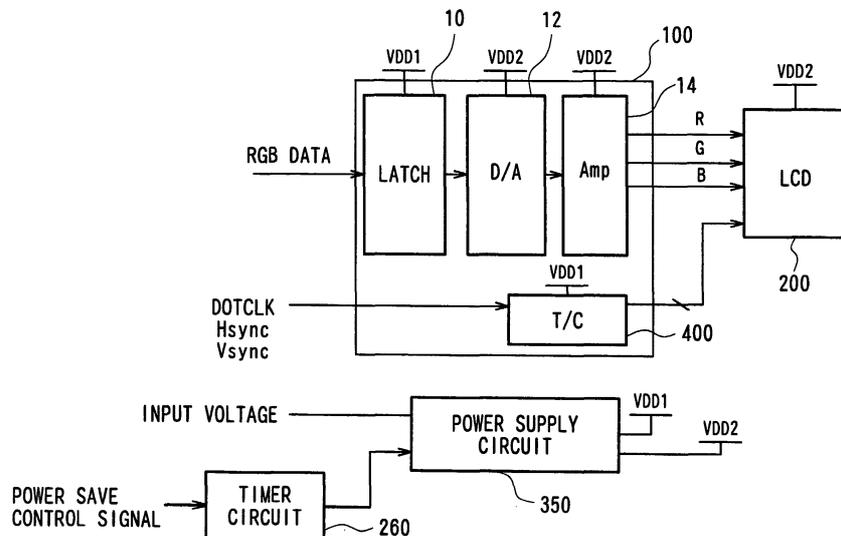
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(54) **Driving device for display device**

(57) The supply voltage to a driving circuit (100) and LCD (200) generated by a power supply circuit (350) is controlled to be periodically turned on and off during a power save mode, using a timer circuit (260) or timer such as a counting circuit. In this manner, during the power save mode, the power consumption can be re-

duced by turning off the power supply, and, at the same time, the display can be periodically shown without any further manipulation. By suspending the output of the gate selection signals to the display panels before the control to turn off the power supply, the display immediately before the turn off operation can be maintained even after the power supply is turned off.



**FIG. 1**



European Patent  
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EUROPEAN SEARCH REPORT

Application Number  
EP 01 30 8328

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 327 (P-1387), 16 July 1992 (1992-07-16) -& JP 04 095995 A (NEC CORP), 27 March 1992 (1992-03-27) * abstract; figures 1,2 *	1-6	G09G3/36
X	US 5 598 565 A (REINHARDT DENNIS) 28 January 1997 (1997-01-28) * abstract; claim 1; figure 2 * * column 1, line 33 - line 48 * * column 7, line 5 - line 15; claims 3,11 *	1,2,6	
A	US 5 867 140 A (RADER SHEILA M) 2 February 1999 (1999-02-02) * the whole document *	1,2,6	
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) -& JP 10 254414 A (HOSHIDEN PHILIPS DISPLAY KK), 25 September 1998 (1998-09-25) * abstract; figures *	1-3,6	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G09G
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 11 June 2002	Examiner Wolfrum, G
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			

EPO FORM 1503 03.82 (P04.001)

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

EP 01 30 8328

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)	显示装置的驱动装置		
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优先权	2000300836 2000-09-29 JP		
其他公开文献	EP1193681A2		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

在省电模式期间，使用定时器电路（260）或诸如计时器之类的定时器来控制由电源电路（350）产生的驱动电路（100）和LCD（200）的电源电压以周期性地接通和断开。计数电路。以这种方式，在省电模式期间，可以通过关闭电源来降低功耗，并且同时，可以周期性地显示显示而无需任何进一步的操作。通过在控制之前将栅极选择信号的输出暂停到显示面板以关闭电源，即使在电源关闭之后也可以保持紧接在关闭操作之前的显示。

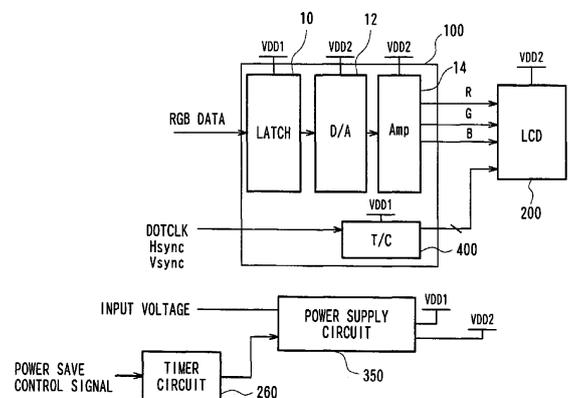


FIG. 1