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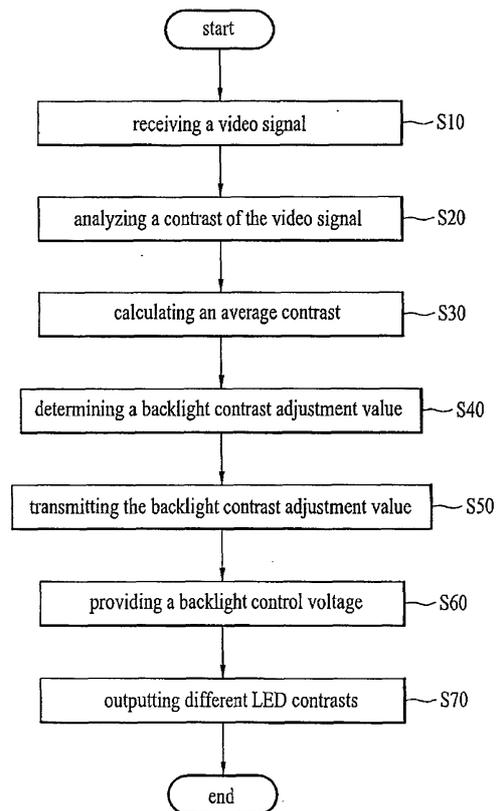
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(54) **An apparatus and method for controlling power of a display device**

(57) In an apparatus and method for controlling power of a display device, dynamic contrast range is widened by controlling respective contrasts of each LED in the backlight of the display device. The apparatus comprises a video signal analyzer, a liquid crystal display (LCD), vertical gate drivers and horizontal drain drivers, a backlight, a power controller, and a controller. By controlling each LED, clearer video signal, lower dissipating power, and lower heat can be achieved.

FIG. 3



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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X	----- US 2003/090455 A1 (DALY SCOTT J [US]) 15 May 2003 (2003-05-15) * figures 4,5 *	1-10	
A	----- US 2004/257329 A1 (PARK MAN HYO [KR] ET AL) 23 December 2004 (2004-12-23) * figures 4-7 *	1-10	
			TECHNICAL FIELDS SEARCHED (IPC)
			G09G
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		31 May 2007	LE CHAPELAIN, B
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>..... & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 06 25 3476

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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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专利名称(译)	一种用于控制显示设备的功率的设备和方法		
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外部链接	Espacenet		

摘要(译)

在用于控制显示装置的功率的装置和方法中，通过控制显示装置的背光中的每个LED的相应对比度来加宽动态对比度范围。该装置包括视频信号分析器，液晶显示器（LCD），垂直栅极驱动器和水平漏极驱动器，背光，功率控制器和控制器。通过控制每个LED，可以实现更清晰的视频信号，更低的耗散功率和更低的热量。

FIG. 3

