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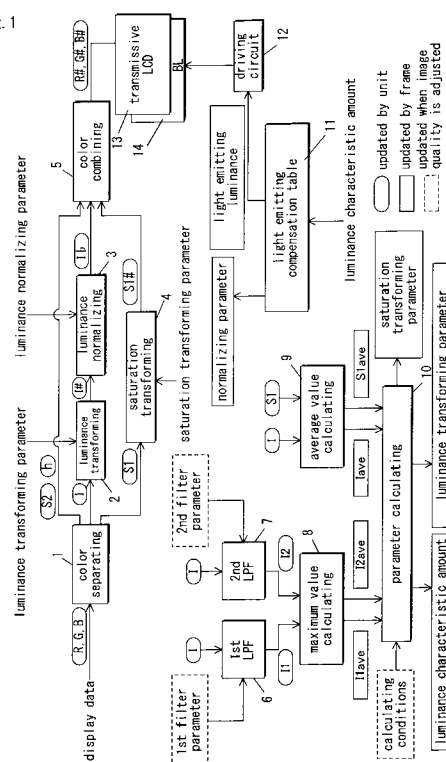
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(54) Image display method and apparatus comprising luminance adjustment of a light source

(57) There is provided a correlation between adjustment of luminance of a LCD (13) and adjustment of luminance of a backlight (14). Luminance average value "lave" is determined from display data. Luminance maximum value "l1max" in a macro area is determined from the display data. Luminance is adjusted with reference to luminance-transformed luminance. In luminance transformation, slope average "r1" in a range of $0 \leq l < l_{ave}$, slope average "r2" in a range of $l_{ave} \leq l < l_{1max}$, and slope average "r3" in a range of $l \geq l_{1max}$ establish a relationship of $r1 \geq r2 > r3$ in an area defined by a horizontal axis showing luminance "l" and a vertical axis showing luminance-transformed luminance "l#".

Fig. 1





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Office

EUROPEAN SEARCH REPORT

Application Number
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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 Y	US 2001/033260 A1 (NISHITANI SHIGEYUKI [JP] ET AL) 25 October 2001 (2001-10-25) * paragraph [0009] * * paragraph [0063] - paragraph [0064] * * paragraph [0101] - paragraph [0104] * * paragraph [0110] * * figures 2,15-18 *	16,17, 34,35 5,6,23, 24	TECHNICAL FIELDS SEARCHED (IPC) G09G
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1 The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 7 July 2008	Examiner Farricella, Luigi
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
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EP 03 01 1003

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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专利名称(译)	包括光源的亮度调节的图像显示方法和设备		
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其他公开文献	EP1367558A2		
外部链接	Espacenet		

摘要(译)

提供了LCD (13) 的亮度调节和背光 (14) 的亮度调节之间的相关性。亮度平均值“lave”由显示数据确定。根据显示数据确定宏区域中的亮度最大值“l1max”。参考亮度变换的亮度调节亮度。在亮度变换中, 在 $0 \leq l \leq l_{ave}$ 的范围内的斜率平均值“r1”, 在 $l_{ave} \leq l \leq l_{1max}$ 的范围内的斜率平均值“r2”和在 $l \geq l_{1max}$ 的范围内的斜率平均值“r3”建立关系在由表示亮度“l”的横轴和表示亮度变换亮度“l#”的纵轴定义的区域中的 $r_1 \geq r_2 \geq r_3$ 。

Fig. 1

