(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 1 564 714 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
21.11.2007 Bulletin 2007/47

(43) Date of publication A2:
17.08.2005 Bulletin 2005/33

(21) Application number: **05250294.5**

(22) Date of filing: **21.01.2005**

(51) Int Cl.:
G09G 3/36 *(2006.01)*

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR LV MK YU

(30) Priority: **21.01.2004 JP 2004013391**
20.01.2005 JP 2005012329

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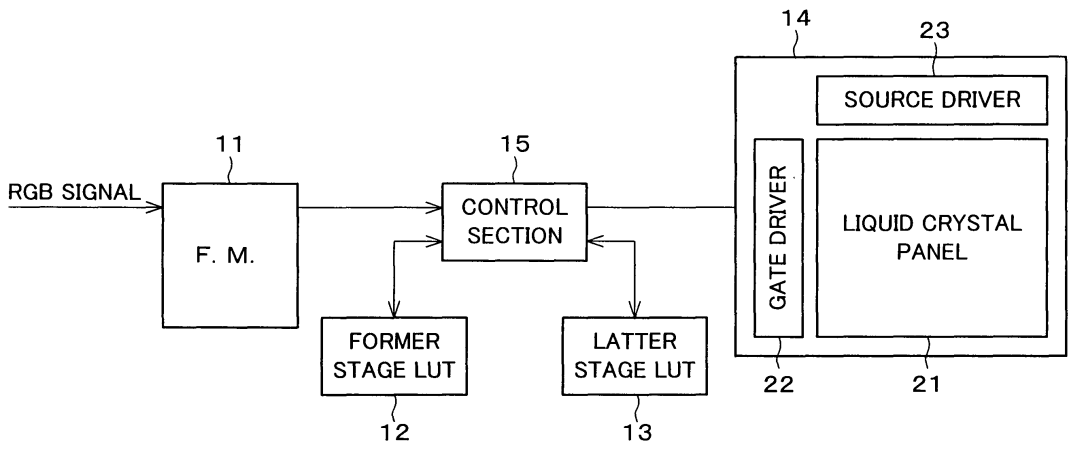
(54) Display device, liquid crytal monitor, liquid crystal television receiver, and display method

(57) A control section divides a single frame so that a ratio of a period corresponding to a latter sub-frame and a period corresponding to a former sub-frame ranges from 1 : 3 to 1 : 7. A divisional point of the frame is a point which allows each of the latter sub-frame and the former sub-frame to minimize a difference between an actual brightness and an expected brightness. The frame may thus be divided at the point where the difference is largest in the normal hold display, so that it is possible to minimize the difference at this point. On this account, it is possible to reduce the difference in a single frame substantially by half as compared with an arrangement for carrying out the normal hold display, and thereby suppress the excess brightness caused by the difference.

FIG. 1



EP 1 564 714 A3

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EUROPEAN SEARCH REPORT

Application Number
EP 05 25 0294

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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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D,A	US 2003/146893 A1 (SAWABE DAIICHI [JP]) 7 August 2003 (2003-08-07) * paragraphs [0105], [0115] - [0118]; figures 2,3,7,10 * * paragraphs [0189] - [0239]; figures 14-17 * * paragraphs [0326], [0331] - [0334]; figures 33,34,38,39 *	1-69	
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	5 October 2007	VAN WESENBEECK, R

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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EPO FORM 1503 03.82 (P04C01)

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05-10-2007

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	显示装置，液晶监视器，液晶电视接收器和显示方法		
公开(公告)号	EP1564714A3	公开(公告)日	2007-11-21
申请号	EP2005250294	申请日	2005-01-21
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IPC分类号	G09G3/36 G02F1/133 G09G3/20 G09G5/00 H04N5/66		
CPC分类号	G09G3/3611 G09G3/2029 G09G3/2081 G09G3/3614 G09G3/3648 G09G2300/0443 G09G2300/0447 G09G2300/0876 G09G2320/0276 G09G2320/028 G09G2320/041 G09G2360/18		
优先权	2004013391 2004-01-21 JP 2005012329 2005-01-20 JP		
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外部链接	Espacenet		

摘要(译)

控制部分划分单个帧，使得对应于后一个子帧的周期与对应于前一个子帧的周期的比率范围从1：3到1：7。帧的分割点是一个点这允许后一个子帧和前一个子帧中的每一个最小化实际亮度和预期亮度之间的差异。因此，可以在正常保持显示中差异最大的点处划分帧，使得可以最小化此时的差异。因此，与用于执行正常保持显示的布置相比，可以将单个帧中的差异减小大致一半，从而抑制由该差异引起的过度亮度。