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

(11) EP 1 752 957 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
01.07.2009 Bulletin 2009/27

(43) Date of publication A2:
14.02.2007 Bulletin 2007/07

(21) Application number: **05110217.6**

(22) Date of filing: **31.10.2005**

(51) Int Cl.:
G09G 3/36 *(2006.01)* ***G09G 3/20*** *(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 LV MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK YU

(30) Priority: **08.08.2005 US 200537**

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(54) Liquid crystal display device and electronic device

(57) A liquid crystal display device and an electronic device, which provide compensation for the difference of brightness caused by the LC effect to improve the image color fidelity is provided. The present invention provides a source driving method for a LCD device including providing data signals representing images to be displayed at a plurality of sub-pixels corresponding to different display wavelengths within a pixel and sequentially activating the sub-pixels within the pixel, in the order from a sub-pixel corresponding to the shortest display wavelength to a sub-pixel corresponding to longest display wavelength.

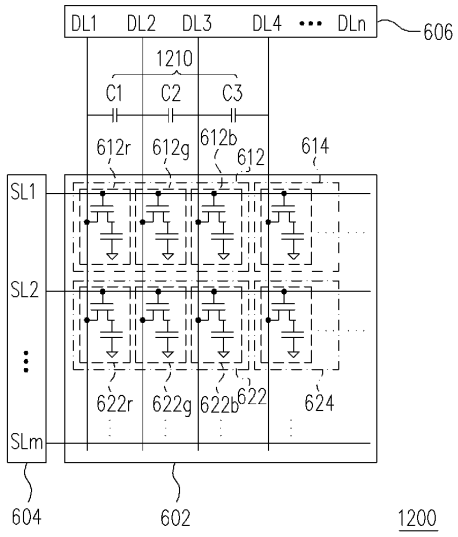

FIG. 12

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EUROPEAN SEARCH REPORT

Application Number
EP 05 11 0217

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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Y	US 2004/174448 A1 (AZAMI MUNEHIRO [JP]) 9 September 2004 (2004-09-09) * paragraphs [0002], [0007], [0008], [0063]; figures 1,3 *	1-4,7-16	
Y	WO 2005/020206 A (SONY CORP [JP]; ITAKURA NAOYUKI [JP]; ICHIKAWA HIROAKI [JP]; MAEKAWA T) 3 March 2005 (2005-03-03) * paragraphs [0063], [0642] - [0004], [0031], [3651], [0052] * & EP 1 662 471 A (SONY CORP [JP]) 31 May 2006 (2006-05-31)	1-4,7-16	
			TECHNICAL FIELDS SEARCHED (IPC) G09G G02F

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	8 May 2009	Fulcheri, Alessandro

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
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D : document cited in the application
L : document cited for other reasons

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EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 05 11 0217

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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EPO FORM P0459

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

专利名称(译)	液晶显示装置和电子设备		
公开(公告)号	EP1752957A3	公开(公告)日	2009-07-01
申请号	EP2005110217	申请日	2005-10-31
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IPC分类号	G09G3/36 G09G3/20		
CPC分类号	G09G3/2074 G09G3/3688 G09G2310/027 G09G2310/0297 G09G2320/0242		
代理机构(译)	REICHERT，WERNER FRANZ		
优先权	11/200537 2005-08-08 US		
其他公开文献	EP1752957A2		
外部链接	Espacenet		

摘要(译)

提供一种液晶显示装置和电子装置，其提供对由LC效应引起的亮度差异的补偿，以提高图像色彩保真度。本发明提供一种用于LCD装置的源驱动方法，包括：提供表示要在像素内的不同显示波长对应的多个子像素处显示的图像的数据信号，并按顺序依次激活像素内的子像素。从对应于最短显示波长的子像素到对应于最长显示波长的子像素。

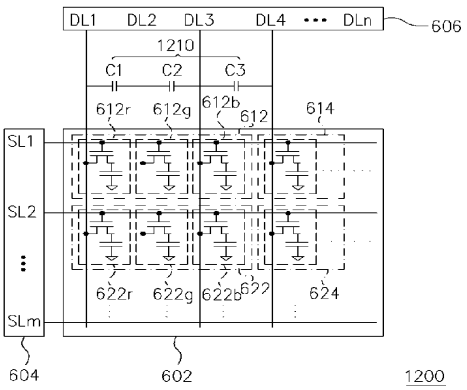

FIG. 12