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(54) **Electroluminescent display device and driving method thereof**

(57) An EL display device which can display vivid images with a good balance of the brightnesses of emitted red color, blue color, and green color light is provided. The EL display device has a plurality of pixels each containing EL elements respectively, and the EL display

device performs gradation display by controlling the time during which the plurality of EL elements emit light. The EL display device is characterized in that a voltage applied to each of the EL elements differs depending upon the color displayed by the plurality of pixels each containing the EL elements respectively.

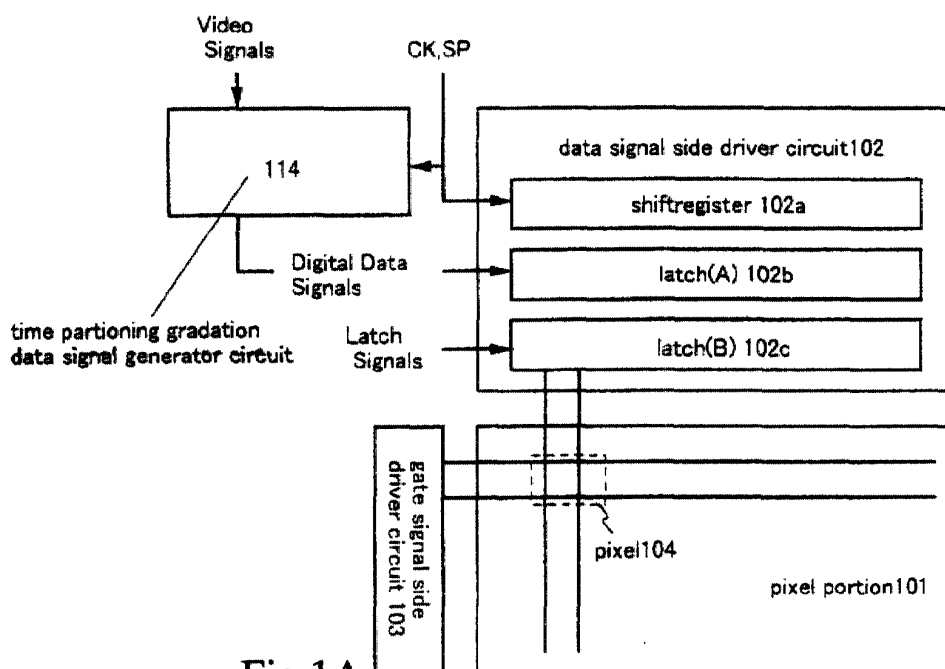


Fig.1A



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 00 12 0760

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A	* column 4, line 15 - column 4, line 53 * * column 10, line 54 - column 11, line 28; figure 5 * * column 13, line 8 - column 13, line 17 * ---	2-7, 9-12, 14-19	
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A	* column 6, line 49 - column 6, line 56; figures 5,9 * * column 8, line 1 - column 8, line 14; figures 10-13 * ---	2-7, 9-12, 14-19	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G09G H01L H05B
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	* abstract; figures 9,10 * * column 5, line 48 - column 6, line 22 * --- -/--		
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 29 August 2002	Examiner Morris, D
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			

EPO FORM 1503 03 82 (P04C01)



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EUROPEAN SEARCH REPORT

Application Number
EP 00 12 0760

DOCUMENTS CONSIDERED TO BE RELEVANT			
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P,A	EP 1 033 765 A (PIONEER CORP) 6 September 2000 (2000-09-06) * abstract; figure 8C * -----	2,4,6,9, 14,18	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Place of search MUNICH		Date of completion of the search 29 August 2002	Examiner Morris, D
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
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 12 0760

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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29-08-2002

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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)	电致发光显示装置及其驱动方法		
公开(公告)号	EP1087366A3	公开(公告)日	2002-10-23
申请号	EP2000120760	申请日	2000-09-22
[标]申请(专利权)人(译)	株式会社半导体能源研究所		
申请(专利权)人(译)	SEL半导体能源研究所有限公司.		
当前申请(专利权)人(译)	SEL半导体能源研究所有限公司.		
发明人	KOYAMA, JUN, SEMICONDUCTOR ENERGY LAB. CO. LTD.		
IPC分类号	G09G3/20 G09G3/30 G09G3/32 H01L21/77		
CPC分类号	H01L27/1214 G09G3/2022 G09G3/30 G09G3/3233 G09G3/3258 G09G3/3291 G09G2300/0408 G09G2300/0809 G09G2300/0842 G09G2320/0242 G09G2320/043 H01L27/12 H01L27/3211 H01L27/3262		
优先权	1999270091 1999-09-24 JP		
其他公开文献	EP1087366B1 EP1087366A2		
外部链接	Espacenet		

摘要(译)

本发明提供一种EL显示装置，其能够显示鲜明的图像，并且能够很好地平衡发出的红色，蓝色和绿色光的亮度。EL显示装置具有多个像素，每个像素分别包含EL元件，EL显示装置通过控制多个EL元件发光的时间来进行灰度显示。EL显示器件的特征在于施加到每个EL元件的电压根据分别由每个包含EL元件的多个像素显示的颜色而不同。

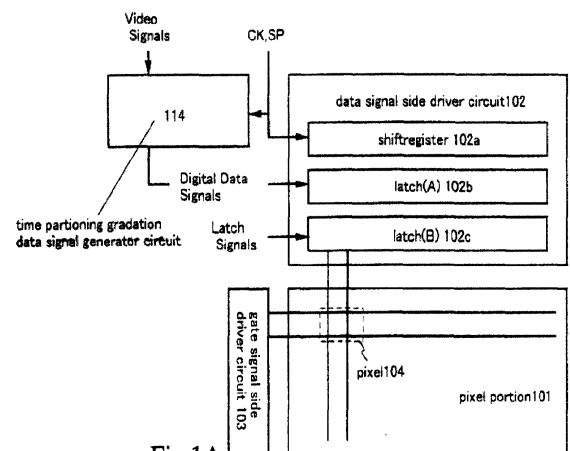


Fig.1A