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(54) **Active matrix electroluminescent display device**

(57) An active matrix display device capable of vivid color display having many tones is provided. The display device is characterized in that each of a plurality of pixels comprises a first TFT for switching, a second TFT for

switching, a TFT for erasing, a TFT for EL driving, and an EL element, driving of the TFT for EL driving is controlled by the first TFT for switching, the second TFT for switching, and the TFT for erasing, and light emission by the EL element is controlled by the TFT for EL driving.

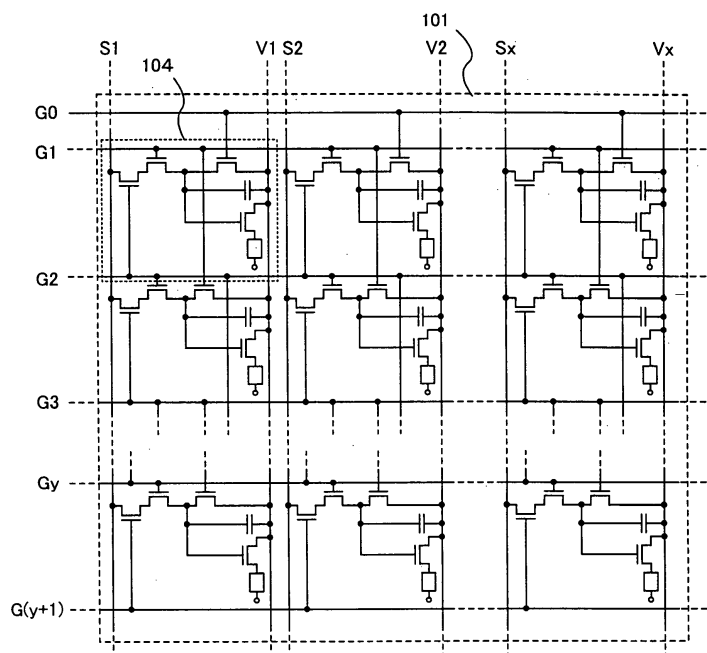


Fig. 2



EUROPEAN SEARCH REPORT

Application Number
EP 01 11 5192

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
P,A	EP 1 102 234 A (SONY CORP [JP]) 23 May 2001 (2001-05-23) * paragraph [0022] - paragraph [0025]; figure 1 *	1-5, 15-18	INV. G09G3/32
A	----- US 5 952 989 A (KOYAMA JUN [JP]) 14 September 1999 (1999-09-14) * column 1, line 36 - column 2, line 5; figures 1a,1b *	1-5, 15-18	
A	----- US 5 903 249 A (KOYAMA JUN [JP] ET AL) 11 May 1999 (1999-05-11) * column 2, line 22 - line 28 * * column 3, line 51 - column 4, line 27; figure 1a *	1-5, 15-18	
			TECHNICAL FIELDS SEARCHED (IPC)
			G09G
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 4 May 2009	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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EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 11 5192

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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04-05-2009

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专利名称(译)	有源矩阵电致发光显示装置		
公开(公告)号	EP1178462A3	公开(公告)日	2009-06-10
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CPC分类号	G09G3/3266 G09G3/2022 G09G3/3275 G09G2300/0408 G09G2300/0426 G09G2300/0809 G09G2300/0814 G09G2300/0842 G09G2300/0861 G09G2310/0251 G09G2310/0262 G09G2320/043 H01L27/12 H01L27/1214 H01L27/124 H01L27/3244		
优先权	2000188518 2000-06-22 JP		
其他公开文献	EP1178462A2		
外部链接	Espacenet		

摘要(译)

提供一种能够进行具有多种色调的鲜艳彩色显示的有源矩阵显示装置。该显示装置的特征在于，多个像素中的每一个包括用于切换的第一TFT，用于切换的第二TFT，用于擦除的TFT，用于EL驱动的第一TFT和EL元件，用于EL驱动的第二TFT的驱动是由用于切换的第一TFT控制，用于切换的第二TFT和用于擦除的TFT，以及EL元件的发光由用于EL驱动的第二TFT控制。

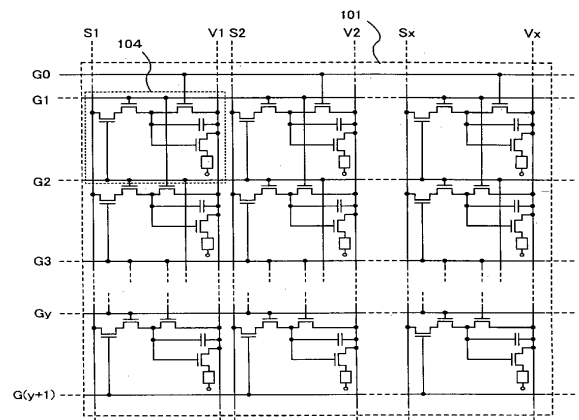


Fig. 2