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(54) **Light emitting display and driving method thereof**

(57) A light emitting display including data lines for applying data voltages corresponding to video signals, scan lines for transmitting select signals, and pixel circuits. Each pixel circuit includes a light emitting element for emitting light, and a transistor including first to third electrodes, for controlling a current output to the third electrode according to a voltage between the first and second electrodes. Each pixel circuit also includes a first switch for diode-connecting the transistor, a capacitor having a first electrode coupled to the first electrode of the transistor, a second switch for applying a corresponding said data voltage to the second electrode of the capacitor in response to a corresponding said select signal from a corresponding said scan line, and a third switch for substantially electrically decoupling the second electrode of the capacitor from a power supply voltage source.

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EUROPEAN SEARCH REPORT

Application Number
EP 04 09 0383

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2003/067424 A1 (AKIMOTO HAJIME ET AL) 10 April 2003 (2003-04-10) * paragraphs [0001], [0010], [0042], [0043], [0047], [0072], [0073]; figures 1-4,7 *	1-22	G09G3/32
P,X	US 2004/174354 A1 (ONO SHINYA ET AL) 9 September 2004 (2004-09-09) * paragraphs [0049], [0074], [0075], [0078], [0083], [0085], [0092] - [0094]; figures 8,9,10B,10D,10E,12 *	1-22	

TECHNICAL FIELDS SEARCHED (IPC)

G09G

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	8 November 2005	Fanning, C

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 04 09 0383

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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08-11-2005

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		JP 2003122301 A	25-04-2003
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US 2004174354 A1	09-09-2004	JP 2004280059 A	07-10-2004

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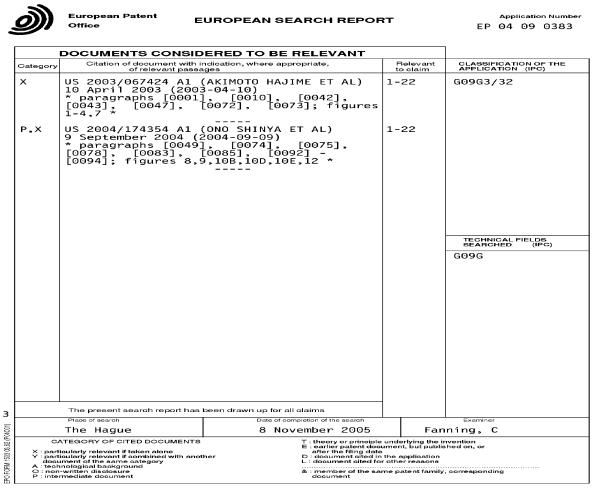
For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	发光显示器及其驱动方法		
公开(公告)号	EP1533782A3	公开(公告)日	2006-01-11
申请号	EP2004090383	申请日	2004-10-05
[标]申请(专利权)人(译)	三星斯笛爱股份有限公司		
申请(专利权)人(译)	三星SDI CO.，LTD.		
当前申请(专利权)人(译)	三星DISPLAY CO.，LTD.		
[标]发明人	KIM YANG WAN C O SAMSUNG SDI CO LTD KWON OH KYONG CHOI SANG MOO OH CHOON YUL C O SAMSUNG SDI CO LTD KIM KYOUNG DO SAMSUNG SDI CO LTD		
发明人	KIM, YANG-WAN, C/O SAMSUNG SDI CO.,LTD., KWON, OH-KYONG CHOI, SANG-MOO OH, CHOON-YUL, C/O SAMSUNG SDI CO.,LTD., KIM, KYOUNG-DO, SAMSUNG SDI CO.,LTD.,		
IPC分类号	G09G3/32 H01L51/50 G09G3/20 G09G3/30 H05B33/08 H05B33/14		
CPC分类号	G09G3/3233 G09G2300/043 G09G2300/0465 G09G2300/0819 G09G2300/0842 G09G2300/0861 G09G2320/0233 G09G2320/043		
代理机构(译)	hengelhaupt，Jürgen		
优先权	1020030085067 2003-11-27 KR 1020030083573 2003-11-24 KR		
其他公开文献	EP1533782A2		
外部链接	Espacenet		

摘要(译)

一种发光显示器，包括用于施加对应于视频信号的数据电压的数据线，用于传输选择信号的扫描线，以及像素电路。每个像素电路包括用于发光的发光元件，以及包括第一至第三电极的晶体管，用于根据第一和第二电极之间的电压控制输出到第三电极的电流。每个像素电路还包括用于二极管连接晶体管的第一开关，具有耦合到晶体管的第一电极的第一电极的电容器，用于响应于电容器的第二电极施加相应的所述数据电压的第二开关。来自相应的所述扫描线的相应的所述选择信号，以及用于使电容器的第二电极与电源电压源基本上电去耦的第三开关。



European Patent Office — EUROPEAN SEARCH REPORT — Application Number EP 04 09 0383

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