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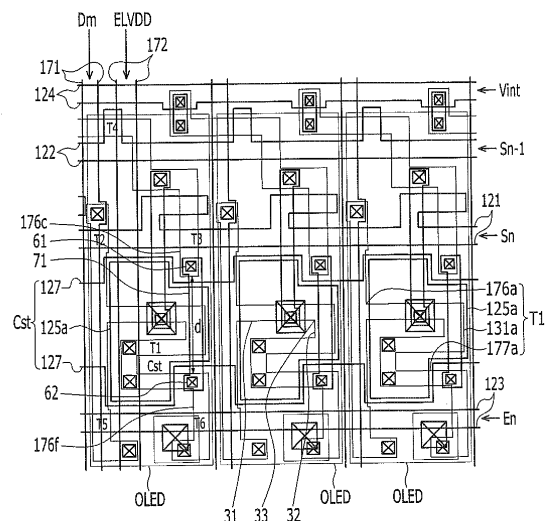
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(54) **Organic light emitting diode display**

(57) An organic light emitting diode display comprising: a substrate; a scan line (121) on the substrate for transferring a scan signal; an initialization voltage line (124) on the substrate for transferring an initialization voltage; a data line (171) crossing the scan line and for transferring a data signal; a driving voltage line (172) crossing the scan line and for transferring a driving voltage; a switching thin film transistor (T2) coupled to the scan line and the data line; a driving thin film transistor (T1) coupled to a switching drain electrode of the switching thin film transistor; an organic light emitting diode (OLED) electrically coupled to a driving drain electrode of the driving thin film transistor; a light emission control thin film transistor (T6) between the driving drain electrode and the OLED; and a bypass thin film transistor (T7) between the initialization voltage line and a light emission control drain electrode of the light emission control thin film transistor; wherein the bypass thin film transistor transfers a portion of a driving current transferred by the driving thin film transistor according to a bypass control signal transferred by a bypass control line.

FIG. 7





EUROPEAN SEARCH REPORT

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Y	* paragraph [0037]; figure 2 * * paragraph [0040] - paragraph [0041] * * paragraph [0048] * * paragraph [0057] * * paragraph [0071] *	2-6,8-10	
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Y	----- CN 102 386 209 A (AU OPTRONICS CORP) 21 March 2012 (2012-03-21) * figures 5,11 * & US 2012/313100 A1 (LIU CHUN-YEN [TW] ET AL) 13 December 2012 (2012-12-13) * paragraph [0047]; figures 3A, 5, 11 * * paragraph [0034] *	2-4,8,10	
Y	----- US 2006/082524 A1 (KWON OH-KYONG [KR]) 20 April 2006 (2006-04-20) * paragraph [0093]; figures 6,20 * * paragraph [0096] - paragraph [0099] *	9	
A	----- US 2010/079361 A1 (LEE BAEK-WOON [KR] ET AL) 1 April 2010 (2010-04-01) * paragraph [0041] - paragraph [0044] * * paragraph [0096] *	1	TECHNICAL FIELDS SEARCHED (IPC) H01L G09G
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 20 October 2015	Examiner Beierlein, Udo
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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专利名称(译)	有机发光二极管显示器		
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申请号	EP2013179090	申请日	2013-08-02
[标]申请(专利权)人(译)	三星显示有限公司		
申请(专利权)人(译)	三星DISPLAY CO. , LTD.		
当前申请(专利权)人(译)	三星DISPLAY CO. , LTD.		
[标]发明人	KIM SE HO PARK JIN WOO LEE WON SE		
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IPC分类号	H01L27/32		
CPC分类号	G09G3/3225 H01L27/124 H01L27/1255 H01L27/3248 H01L27/3258 H01L27/3262 H01L27/3265 H01L27/3276 H01L27/3297 G09G3/3655 G09G2300/0847 G09G2300/0809		
优先权	1020120084976 2012-08-02 KR		
其他公开文献	EP2693481A2		
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摘要(译)

一种有机发光二极管显示器，包括：基板；基板上的扫描线（121），用于传输扫描信号；基板上的初始化电压线（124），用于传输初始化电压；数据线（171）与扫描线交叉并传输数据信号；驱动电压线（172）与扫描线交叉并传输驱动电压；开关薄膜晶体管（T2），耦合到扫描线和数据线；驱动薄膜晶体管（T1），耦合到开关薄膜晶体管的开关漏电极；有机发光二极管（OLED），电耦合到驱动薄膜晶体管的驱动漏电极；驱动漏电极和OLED之间的发光控制薄膜晶体管（T6）；在发光控制薄膜晶体管的初始化电压线和发光控制漏电极之间的旁路薄膜晶体管（T7）；其中，旁路薄膜晶体管根据旁路控制线传输的旁路控制信号传输驱动薄膜晶体管传输的驱动电流的一部分。

FIG. 7

