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(54) **Organic light-emitting diode display device integrated with touch control function**

(57) An organic light-emitting diode display device integrated with a touch control function, includes: a substrate (11); an organic light emitting layer (12) disposed on the substrate; protective glass (13) disposed on the organic light emitting layer; a plurality of sensing electrodes (14) disposed on the protective glass, the plurality of sensing electrodes (14) being arranged in a two-dimensional array; and a touch control chip (10) bound

onto the protective glass (13), wherein the touch control chip and the plurality of sensing electrodes are located on a same side of the protective glass, and the touch control chip is connected with each of the plurality of sensing electrodes via a wire. Therefore, the error caused by noises accumulation between the electrodes is avoided, and signal-to-noise ratio is significantly improved.

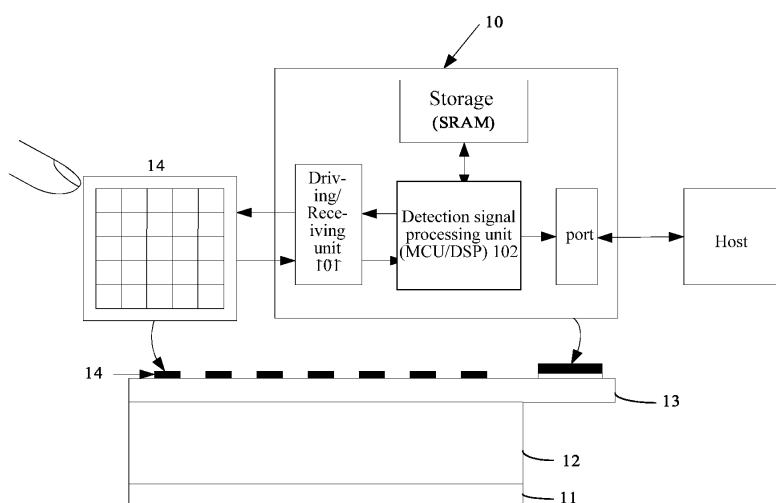


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
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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 2009/085894 A1 (GANDHI SHRIPAL [US] ET AL) 2 April 2009 (2009-04-02)	1-6,13	INV. H01L27/32 G06F3/041 G06F3/044
Y	* abstract * * paragraphs [0003], [0009], [0010] * * paragraph [0056] - paragraph [0061]; figure 2 * * paragraph [0069] - paragraph [0095]; figures 4-8 * * paragraph [0121]; figure 15 *	7-12	
Y	US 2013/093724 A1 (LIU HUNG-TA [TW]) 18 April 2013 (2013-04-18) * paragraph [0043] - paragraph [0057]; figures 2,3,5 *	7-12	
A	WO 2012/167199 A1 (POWERS WINSTON J [US]) 6 December 2012 (2012-12-06) * page 2, line 2 - page 10, line 25; figures 1-3,5-8 *	1-13	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01L G06F
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		18 March 2015	Suarez Y Gonzalez, R
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)

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

EP 13 19 9551

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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18-03-2015

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US 2009085894 A1	02-04-2009	NONE	
US 2013093724 A1	18-04-2013	NONE	
WO 2012167199 A1	06-12-2012	US 2012306792 A1 WO 2012167199 A1	06-12-2012 06-12-2012

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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)	有机发光二极管显示装置，集成了触控功能		
公开(公告)号	EP2811523A3	公开(公告)日	2015-04-22
申请号	EP2013199551	申请日	2013-12-24
[标]申请(专利权)人(译)	敦泰科技有限公司		
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代理机构(译)	WILSON , GARY		
优先权	201310224411.4 2013-06-06 CN		
其他公开文献	EP2811523A2		
外部链接	Espacenet		

摘要(译)

一种集成有触控功能的有机发光二极管显示装置，包括：基板（11）；有机发光层（12），设置在基板上；保护玻璃（13）设置在有机发光层上；多个感应电极（14）设置在保护玻璃上，多个感应电极（14）排列成二维阵列；绑定在保护玻璃（13）上的触控芯片（10），其中触控芯片与多个感应电极位于保护玻璃的同一侧，触控芯片与每一个连接。多个传感电极通过导线。因此，避免了由电极之间的噪声累积引起的误差，并且显著改善了信噪比。

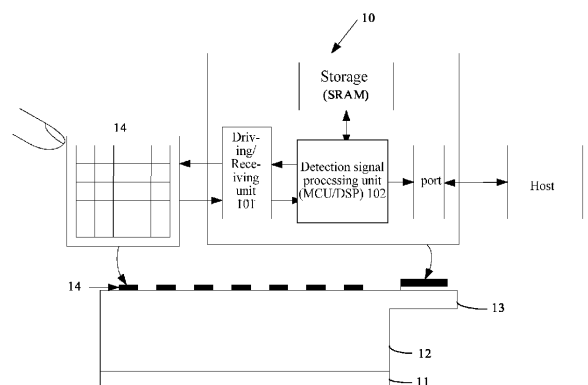


Fig. 1