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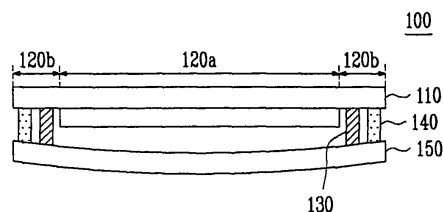
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(54) **Organic light emitting display and method of fabricating the same**

(57) An organic light emitting display in which differential pressure is controlled to prevent Newton's rings from being generated and a method of fabricating the same. The organic light emitting display includes a first substrate including a pixel region in which at least one organic light emitting diode (OLED) is formed and a non-pixel region, a second substrate attached to one region including the pixel region of the first substrate, and a frit provided between the non-pixel region of the first substrate and the second substrate. At least one of the first substrate and the second substrate is formed to be convex or concave outward.

FIG. 1





EUROPEAN SEARCH REPORT

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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 2001/013756 A1 (MORI KENJI [JP] ET AL) 16 August 2001 (2001-08-16) * paragraph [0058] - paragraph [0062]; figure 4 *	1-23	INV. H01L51/52
X	US 4 192 060 A (FUJISAWA ISAO [JP] ET AL) 11 March 1980 (1980-03-11) * column 6, line 8 - line 32; figure 9 *	1,4,13, 14	
X	JP 2001 118680 A (TOYOTA MOTOR CORP) 27 April 2001 (2001-04-27) * figures 1,4 *	1,4,13	
A	US 2005/046338 A1 (PARK JIN-WOO [KR]) 3 March 2005 (2005-03-03) * paragraph [0092]; figures 3-4 *	1,14	
A	US 2003/107315 A1 (CHEN LAI-CHENG [TW] ET AL) 12 June 2003 (2003-06-12) * paragraph [0024]; figures 2-6 *	1,14	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			H01L G02F
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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
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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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22-06-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2001013756 A1	16-08-2001	JP 3536763 B2 JP 2001217069 A	14-06-2004 10-08-2001
US 4192060 A	11-03-1980	NONE	
JP 2001118680 A	27-04-2001	NONE	
US 2005046338 A1	03-03-2005	CN 1592508 A JP 4001590 B2 JP 2005071984 A KR 20050022882 A	09-03-2005 31-10-2007 17-03-2005 08-03-2005
US 2003107315 A1	12-06-2003	JP 2003187968 A TW 1271833 B	04-07-2003 21-01-2007

专利名称(译)	有机发光显示器及其制造方法		
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摘要(译)

一种有机发光显示器，其中控制压差以防止产生牛顿环，以及制造该有机发光显示器的方法。有机发光显示器包括：第一基板，包括：像素区域，其中形成有至少一个有机发光二极管（OLED）；以及非像素区域；第二基板，附接到包括第一基板的像素区域的一个区域，以及在第一基板的非像素区域和第二基板之间提供的玻璃料。第一基板和第二基板中的至少一个形成为向外凸出或凹入。

FIG. 1

