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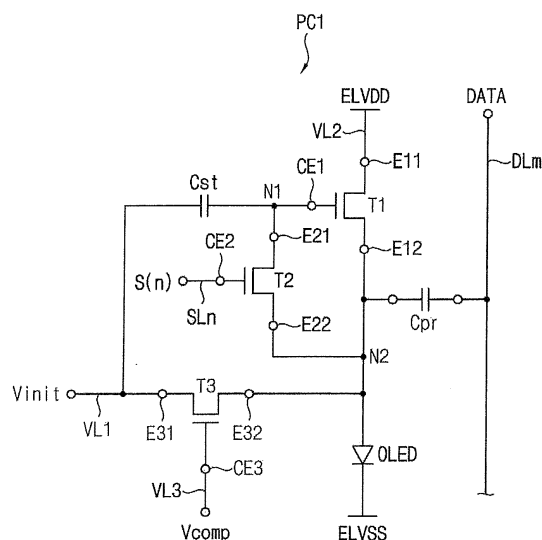
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(54) **DISPLAY APPARATUS AND METHOD OF DRIVING THE SAME**

(57) A display apparatus includes a plurality of pixels. A pixel includes a first capacitor connected between a first voltage line receiving a first driving signal and a first node, a first transistor comprising a control electrode connected to the first node, a first electrode connected to a second voltage line receiving a first power source signal and a second electrode connected to a second node, an organic light emitting diode comprising an anode electrode connected to the second node and a cathode electrode receiving a second power source signal, a second capacitor connected between an m-th data line and the second node (wherein, 'm' is a natural number) and a second transistor comprising a control electrode connected to an n-th scan line (wherein, 'n' is a natural number), a first electrode connected to the first node and a second electrode connected to the second node.

FIG. 2



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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 A	US 2008/136795 A1 (NUMAO TAKAJI [JP] ET AL) 12 June 2008 (2008-06-12) * paragraphs [0108] - [0121], [0152] - paragraph [0167]; figures 1-3,6,7 *	1,24,28,30 2-22, 25-27,29	INV. G09G3/3233 ADD. H01L27/32 G09G3/3266
X	US 2006/044244 A1 (NUMAO TAKAJI [JP]) 2 March 2006 (2006-03-02) * paragraph [0143] - paragraph [0158]; figures 2, 15 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			G09G H01L
1 The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 13 July 2017	Examiner Adarska, Veneta
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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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-22, 24-30

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION
SHEET B

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-22, 24-30

Claim 2 is directed to improving the initialization control of a pixel circuit of an OLED display by providing a third transistor

2. claim: 23

Claim 23 is directed to a manufacturing of a pixel structure of an OLED display by providing first, second and third insulating interlayers.

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

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

专利名称(译)	显示装置及其驱动方法		
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IPC分类号	G09G3/3233 H01L27/32 G09G3/3266		
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优先权	1020160061093 2016-05-18 KR		
其他公开文献	EP3246913B1 EP3246913A2		
外部链接	Espacenet		

摘要(译)

显示装置包括多个像素。像素包括连接在接收第一驱动信号的第一电压线和第一节点之间的第一电容器，第一晶体管包括连接到第一节点的控制电极，第一电极连接到接收第一电源信号的第二电压线连接到第二节点的第二电极，有机发光二极管，包括连接到第二节点的阳极和接收第二电源信号的阴极，连接在第m数据线和第二节点之间的第二电容器（其中， m 是自然数）和第二晶体管，包括连接到第n扫描线的控制电极（其中， n 是自然数），第一电极连接到第一节点，第二电极连接到第一节点电极连接到第二节点。

FIG. 2

