

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 77 5356

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 2014/191669 A1 (TAN WEN [CN] ET AL) 10 July 2014 (2014-07-10)	1-3,9-11	INV. G09G3/32
A	* abstract; figures 3a,4 * * paragraph [0064] - paragraph [0065] * -----	4-8, 12-14	
A	US 2003/016190 A1 (KONDO SHIGEKI [JP]) 23 January 2003 (2003-01-23) * abstract; figures 3, 4 * * paragraph [0053] - paragraph [0061] * -----	1-14	
A	US 2011/210990 A1 (KIM YANG-WAN [KR] ET AL) 1 September 2011 (2011-09-01) * abstract; figures 7D, 8 * * paragraph [0078] - paragraph [0080] * -----	1-14	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			TECHNICAL FIELDS SEARCHED (IPC)
			G09G
Place of search		Date of completion of the search	Examiner
The Hague		14 May 2018	Gonzalez Ordonez, O
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			

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

EP 15 77 5356

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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14-05-2018

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2014191669	A1	10-07-2014	CN 102708791 A	03-10-2012
			EP 2772900 A1	03-09-2014
			JP 6117232 B2	19-04-2017
			JP 2015505980 A	26-02-2015
			KR 20130075743 A	05-07-2013
			US 2014191669 A1	10-07-2014
			WO 2013078931 A1	06-06-2013

US 2003016190	A1	23-01-2003	JP W02002075709 A1	08-07-2004
			US 2003016190 A1	23-01-2003
			WO 02075709 A1	26-09-2002

US 2011210990	A1	01-09-2011	CN 1622168 A	01-06-2005
			CN 101136174 A	05-03-2008
			EP 1536405 A2	01-06-2005
			JP 4786135 B2	05-10-2011
			JP 4786737 B2	05-10-2011
			JP 5324543 B2	23-10-2013
			JP 2005157244 A	16-06-2005
			JP 2009294674 A	17-12-2009
			JP 2011043837 A	03-03-2011
			KR 20050051300 A	01-06-2005
			US 2005140600 A1	30-06-2005
			US 2011210990 A1	01-09-2011

专利名称(译)	像素电路，有机电致发光显示面板，以及显示装置及其驱动方法		
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CPC分类号	G09G3/3225 G09G3/3258 G09G2300/0819 G09G2300/0842 G09G2300/0861 G09G2300/0866 G09G2310/0251 G09G2310/08 G09G2320/043 G09G2320/045 G09G2320/0626 G09G3/3233 G09G2320/0233 G09G2300/0439		
代理机构(译)	Fritzsche也, THOMAS		
优先权	201410640340.0 2014-11-13 CN		
其他公开文献	EP3220380A1		
外部链接	Espacenet		

摘要(译)

本发明公开了一种像素电路，有机电致发光显示面板，显示装置及其驱动方法。像素电路在初始化阶段对第一节点和第三节点进行初始化，在补偿阶段对第一节点的驱动模块的阈值电压进行补偿，并在数据写入阶段对第一节点进行数据写入。在发光阶段，驱动模块驱动发光模块中的发光器件发光，从而实现发光器件的正常发光功能。这样，与现有技术的像素电路相比，本发明实施例提供的像素电路可以在初始化阶段对驱动模块的控制端进行初始化，对驱动器的阈值电压进行补偿并在数据写入阶段对驱动模块进行数据写入，从而防止驱动模块的阈值电压的变化不影响发光器件的发光亮度，提高发光亮度的均匀性并且进一步确保显示框的质量。

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The Hague		14 May 2018	Gonzalez Ordenez, O
CATEGORIES OF OTHER DOCUMENTS		1. Family or priority containing the invention. 2. Earlier patent document, not published on, or 3. Document related to the application. 4. Document cited for other reasons. 5. Document of the same patent family, corresponding document.	
1. previously relevant document 2. previously relevant document with another 3. document of the same priority 4. document of the same priority 5. previously relevant document			