

**SUPPLEMENTARY  
EUROPEAN SEARCH REPORT**

Application Number  
EP 14 86 1144

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 2009/243977 A1 (CHUNG KYUNG-HOON [KR]) 1 October 2009 (2009-10-01) * paragraphs [0003], [0011], [0052] - [0076]; figures 2,4 *	1,4,5, 8-10	INV. G09G3/3233
X	US 2010/194716 A1 (PARK SEONG-IL [KR]) 5 August 2010 (2010-08-05) * paragraphs [0003], [0013], [0037] - [0048]; figures 2,3 *	1,4,5, 8-10	
A	CN 102 881 253 A (BOE TECHNOLOGY GROUP CO LTD) 16 January 2013 (2013-01-16) * abstract; figure 4 *	1-10	
			TECHNICAL FIELDS SEARCHED (IPC)
			G09G
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search		Date of completion of the search	Examiner
The Hague		7 September 2017	Ladiray, Olivier
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 14 86 1144

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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07-09-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2009243977 A1	01-10-2009	KR 100911980 B1 US 2009243977 A1	13-08-2009 01-10-2009
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CN 102881253 A	16-01-2013	NONE	
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专利名称(译)	补偿像素电路和显示装置		
公开(公告)号	<a href="#">EP3142099A4</a>	公开(公告)日	2017-10-18
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CPC分类号	G09G3/3225 G09G3/3233 G09G2230/00 G09G2300/0819 G09G2300/0842 G09G2300/0861 G09G2310/061 G09G2320/0233 G09G2320/045		
审查员(译)	LADIRAY, OLIVIER		
优先权	201410194265.X 2014-05-08 CN		
其他公开文献	EP3142099B1 EP3142099A1		
外部链接	<a href="#">Espacenet</a>		

### 摘要(译)

提供了补偿像素电路和显示装置。补偿像素电路包括有机发光二极管 (D1) 和驱动晶体管 (M1)，驱动晶体管 (M1) 的第一端连接到有机发光二极管 (D1) 的阳极。补偿像素电路还包括：复位模块，数据电压写入模块，发光控制模块和开关模块。复位模块包括电容器 (C1)，其第一端子连接到驱动晶体管 (M1) 的栅极，并且被配置为使驱动晶体管 (M1) 的栅极放电，使得栅极电压减小到a的幅度。有机发光二极管 (D1) 的阈值电压。数据电压写入模块配置为放电在栅极电压减小到有机发光二极管的阈值电压的大小 (D) 之后，在驱动晶体管 (M1) 的栅极处将数据电压连接到驱动晶体管 (M1) 的第二端子。 )。发光控制模块被配置为在完成数据电压写入之后将驱动晶体管 (M1) 的源极和电容器 (C1) 的第二端子连接到高电平的工作电压。切换模块被配置为当数据电压连接到驱动晶体管 (M1) 的第二端子时将驱动晶体管 (M1) 与有机发光二极管 (D1) 断开。补偿像素电路可以补偿阈值电压偏移，并减少帧与帧之间信号的影响很大。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to the	CLASSIFICATION OF THE APPLICATION (IPC)
Category	Classifications of documents with indication, where appropriate, of relevant passages	to	
X	US 2009/243927 A1 (CHUNG YUNG-HOON [KR]) 1 October 2009 (2009-10-01) paragraphs [0003] - [0013]. [0052] - [0076]; Figures 2,4	1-4,5,8-10	G09G3/3233
X	US 2010/194716 A1 (PARK SEONG-IL [KR]) 2 August 2010 (2010-08-02) paragraphs [0003], [0013]. [0037] - [0045]; Figures 2,3	1-4,5,8-10	
A	CN 102 881 253 A (BOE TECHNOLOGY GROUP CO LTD) 16 January 2013 (2013-01-16) abstract; Figure 4	1-10	
<p>The applicant's search report has been filed on the basis of a search conducted by the applicant.</p> <p>Category of cited documents: The Hague, 7 September 2017, Ladray, Olivier</p> <p>Category of cited documents: 1. Priority or foreign filing; 2. International or national patent; 3. Document cited in the application; 4. Document cited for other reasons; 5. Document cited for other reasons; 6. Document cited for other reasons; 7. Document cited for other reasons; 8. Document cited for other reasons.</p>			