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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 14 86 1138

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	CN 103 474 026 A (BOE TECHNOLOGY GROUP CO LTD; ORDOS YUANSHENG PHOTOELECTRIC CO LTD) 25 December 2013 (2013-12-25) * figures 2, 3 * -----	1-9	INV. G09G3/32
A	US 2009/207158 A1 (PARK SEONG-IL [KR] ET AL) 20 August 2009 (2009-08-20) * figure 3 * * paragraph [0028] - paragraph [0043] * -----	1-9	
A	US 2007/279337 A1 (KIM O HYUN [KR] ET AL) 6 December 2007 (2007-12-06) * figures 7, 8, 12 * -----	1-9	
			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.

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Place of search	Date of completion of the search	Examiner
Munich	25 September 2017	Njibamum, David

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
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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
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 14 86 1138

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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25-09-2017

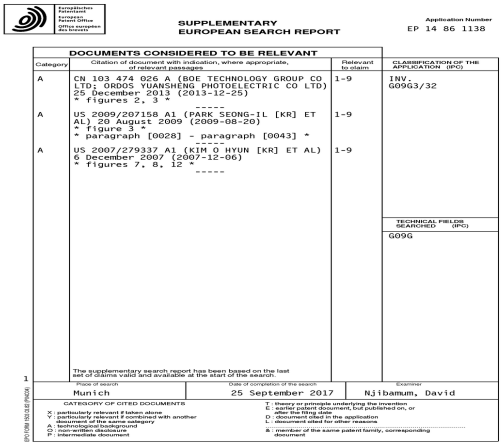
Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN 103474026 A	25-12-2013	CN 103474026 A	25-12-2013
		US 2016027379 A1	28-01-2016
		WO 2015032147 A1	12-03-2015
US 2009207158 A1	20-08-2009	KR 20090088724 A	20-08-2009
		US 2009207158 A1	20-08-2009
US 2007279337 A1	06-12-2007	DE 102006057537 A1	06-12-2007
		JP 4914177 B2	11-04-2012
		JP 2007323040 A	13-12-2007
		KR 20070115261 A	06-12-2007
		US 2007279337 A1	06-12-2007

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

专利名称(译)	像素电路和显示设备		
公开(公告)号	EP3159879A4	公开(公告)日	2017-11-08
申请号	EP2014861138	申请日	2014-09-26
[标]申请(专利权)人(译)	京东方科技集团股份有限公司 北京京东方光电科技有限公司		
申请(专利权)人(译)	京东方科技集团股份有限公司. 北京京东方光电科技有限公司.		
当前申请(专利权)人(译)	京东方科技集团股份有限公司. 北京京东方光电科技有限公司.		
[标]发明人	YANG SHENGJI DONG XUE WANG HAISHENG		
发明人	YANG, SHENGJI DONG, XUE WANG, HAISHENG		
IPC分类号	G09G3/32 G09G3/3225		
CPC分类号	G09G3/3291 G09G3/3225 G09G3/3233 G09G3/3266 G09G2300/0443 G09G2300/0465 G09G2300/0804 G09G2300/0819 G09G2300/0842 G09G2300/0861 G09G2310/0262 G09G2320/0233 G09G2320/043 G09G2320/045		
优先权	201410265700.3 2014-06-13 CN		
其他公开文献	EP3159879B1 EP3159879A1		
外部链接	Espacenet		

摘要(译)

像素电路，包括两个子像素电路（P1，P2）和第六开关单元（T6）;第六开关单元（T6）的第一端连接到工作电压线（Vdd），第六开关单元的控制端连接到第一扫描信号线（Em）;每个子像素电路（P1，P2）包括五个开关单元（T1，T2，T3，T4，T5），驱动单元（DT），储能单元（C）和电致发光单元（L），第一子像素电路（P1）中的第一开关单元（T1）和第四开关单元（T4）与第一开关单元（T1'）和第四开关单元共享扫描信号线（Scan [3]）第二子像素电路（P2）中的（T4'）和第一子像素电路（P1）中的第三开关单元（T3）与第三开关单元共享扫描信号线（Scan [2]）（ T3'）在第二子像素电路（P2）中。像素电路完全解决了由于驱动晶体管的阈值电压的漂移导致的显示器亮度不均匀的问题。同时，一个补偿电路用于驱动两个像素，两个相邻的像素共用多条信号线，可以减少显示装置中像素电路的信号线数量，降低集成电路的成本，减小像素间距，并增加像素密度。



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EPO FORM 1503 03.82 (P04C01)