



EUROPEAN SEARCH REPORT

Application Number
EP 13 19 4976

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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 2009/201231 A1 (TAKAHARA HIROSHI [JP] ET AL) 13 August 2009 (2009-08-13) * paragraphs [0164], [0237] - [0285]; figures 1,2,3,5 *	1-11	INV. G09G3/32
X	US 2012/001896 A1 (HAN SAM-IL [KR] ET AL) 5 January 2012 (2012-01-05) * paragraphs [0056], [0078], [0091]; figures 1-4 *	1-7	
X	EP 2 463 849 A1 (SAMSUNG MOBILE DISPLAY CO LTD [KR]) 13 June 2012 (2012-06-13) * paragraphs [0092] - [0104]; figures 1-4 *	1,2,5,6	
X	US 2013/002632 A1 (CHOI SANG-MOO [KR]) 3 January 2013 (2013-01-03) * figures 3-4 *	1,2,6	
X	EP 2 372 683 A1 (SAMSUNG MOBILE DISPLAY CO LTD [KR]) 5 October 2011 (2011-10-05) * paragraphs [0040] - [0049]; figures 2-4 *	1,2,5,6	TECHNICAL FIELDS SEARCHED (IPC) G09G
X	EP 1 887 553 A1 (SAMSUNG SDI CO LTD [KR]) 13 February 2008 (2008-02-13) * paragraph [0055]; figures 5,7 *	1-3,6	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 25 May 2016	Examiner Pichon, Jean-Michel
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
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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2009201231 A1	13-08-2009	JP 2009276744 A KR 20090087831 A US 2009201231 A1	26-11-2009 18-08-2009 13-08-2009
US 2012001896 A1	05-01-2012	KR 20120002071 A US 2012001896 A1	05-01-2012 05-01-2012
EP 2463849 A1	13-06-2012	CN 102568374 A EP 2463849 A1 JP 2012128386 A KR 20120065137 A US 2012147060 A1	11-07-2012 13-06-2012 05-07-2012 20-06-2012 14-06-2012
US 2013002632 A1	03-01-2013	KR 20130007214 A US 2013002632 A1	18-01-2013 03-01-2013
EP 2372683 A1	05-10-2011	CN 102194404 A EP 2372683 A1 JP 5048811 B2 JP 2011191726 A KR 101056233 B1 TW 201207820 A US 2011227893 A1	21-09-2011 05-10-2011 17-10-2012 29-09-2011 11-08-2011 16-02-2012 22-09-2011
EP 1887553 A1	13-02-2008	CN 101123071 A EP 1887553 A1 JP 5330643 B2 JP 2008040451 A TW 200809744 A US 2008036704 A1	13-02-2008 13-02-2008 30-10-2013 21-02-2008 16-02-2008 14-02-2008

专利名称(译)	像素，包括像素的有机发光显示器，以及驱动该像素的方法		
公开(公告)号	EP2760012A3	公开(公告)日	2016-06-29
申请号	EP2013194976	申请日	2013-11-29
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申请(专利权)人(译)	三星DISPLAY CO., LTD.		
当前申请(专利权)人(译)	三星DISPLAY CO., LTD.		
[标]发明人	KWON SUN JA		
发明人	KWON, SUN-JA		
IPC分类号	G09G3/32		
CPC分类号	H01L51/52 G09G3/3233 G09G3/3258 G09G2300/0842 G09G2300/0861 G09G2300/0876 G09G2310/0251 G09G2310/0262 G09G2320/0233 G09G2320/0257 G09G2320/045		
审查员(译)	PICHON, JEAN-MICHEL		
优先权	1020130010000 2013-01-29 KR		
其他公开文献	EP2760012A2		
外部链接	Espacenet		

摘要(译)

在包括像素的有机发光显示器 (100) 及其驱动方法中，像素 (150) 包括有机发光二极管 (OLED)，耦合在第一电源 (ELVDD) 之间的存储电容器 (Cst) 和第一节点 (ND1)，第一晶体管 (M1)，用于响应于施加到第一节点的电压，控制通过OLED从第一电源 (ELVDD) 流到第二电源 (ELVSS) 的电流 (ND1)，第二晶体管 (M2)，其耦合在数据线 (Dm) 和第一晶体管 (M1) 的第一电极之间，并且当通过控制线 (CLn)，第三晶体管 (第三晶体管) 提供控制信号时导通。M3-1，M3-2) 耦合在第一节点 (ND1) 和第一晶体管 (M1) 的第二电极之间，并且当通过第n (n是自然数) 扫描线 (Sn) 提供扫描信号时导通) 和第四晶体管 (M4-1，M4-2) 耦合在初始化电源 (Vint) 和第一节点 (ND1) 之间并接通n通过第 (n-1) 扫描线 (Sn-1) 提供扫描信号。

FIG. 2

