



(11) **EP 2 023 326 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
10.03.2010 Bulletin 2010/10

(51) Int Cl.: **G09G 3/32** (2006.01)

(43) Date of publication A2:
11.02.2009 Bulletin 2009/07

(21) Application number: **08252543.7**

(22) Date of filing: **25.07.2008**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
 HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT
 RO SE SI SK TR**
 Designated Extension States:
AL BA MK RS

(72) Inventor: **Kim, Do-lk**
Gyeonggi-do (KR)

(74) Representative: **Mounteney, Simon James**
Marks & Clerk LLP
90 Long Acre
London
WC2E 9RA (GB)

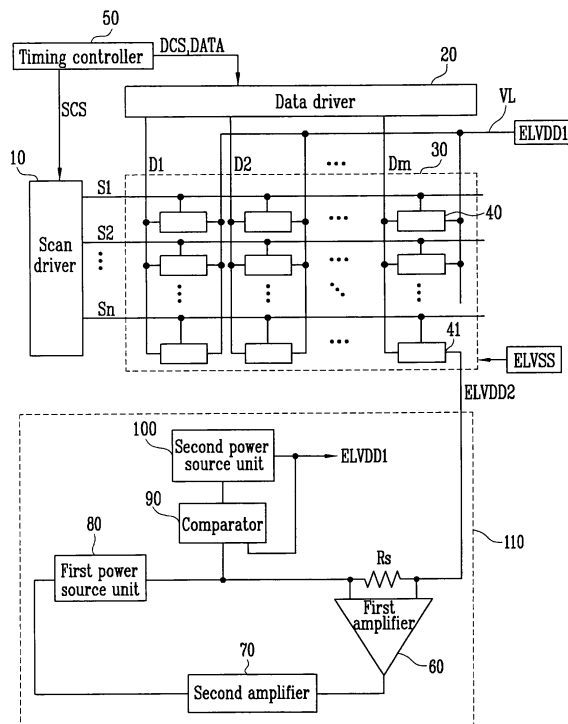
(30) Priority: 27.07.2007 KR 20070075560

(71) Applicant: **Samsung Mobile Display Co., Ltd.**
Suwon-si
Gyeonggi-do (KR)

(54) **Organic light emitting display and driving method thereof**

(57) An organic light emitting display is disclosed. The organic light emitting display has a test pixel which receives power from a power supply, where the voltage of the power is adjusted so as to cause a certain amount of current to flow in the test pixel. The adjusted voltage is then used to power the rest of the pixel array of the display.

FIG. 2





EUROPEAN SEARCH REPORT

Application Number
EP 08 25 2543

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	EP 1 227 467 A2 (SEMICONDUCTOR ENERGY LAB [JP]) 31 July 2002 (2002-07-31)	1,7-8	INV. G09G3/32
Y	* paragraphs [0001], [0015], [0027], [0030] - [0036], [0038], [0044] - [0046], [0090] - [0108]; claims 1, 24; figures 1, 4, 9 *	2-6,9-12	
Y	US 2001/013758 A1 (TSURUOKA YOSHIHISA [JP] ET AL) 16 August 2001 (2001-08-16) * paragraphs [0011], [0031] - [0034], [0040] - [0042]; figures 2B, 4 *	2-6,9-12	
Y	US 2005/205880 A1 (ANZAI AYA [JP] ET AL) 22 September 2005 (2005-09-22) * paragraphs [0149] - [0162]; figures 20, 21A, 21B, 22 *	4-5,10, 12	
Y	US 2005/078065 A1 (HAYAFUJI AKINORI [JP] ET AL) 14 April 2005 (2005-04-14) * paragraphs [0014], [0048] - [0062]; figures 7, 8, 9 *	3,6	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			G09G
Place of search		Date of completion of the search	Examiner
Munich		26 January 2010	Ley, Théodore
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			

1
EPO FORM 1503 03.82 (P04C01)

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

EP 08 25 2543

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.

26-01-2010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1227467	A2	31-07-2002	CN 1369916 A	18-09-2002
			CN 1606056 A	13-04-2005
			DE 60215983 T2	08-03-2007
			KR 20020063524 A	03-08-2002
			SG 111928 A1	29-06-2005
			TW 569016 B	01-01-2004
			US 2002125831 A1	12-09-2002

US 2001013758	A1	16-08-2001	JP 2001223074 A	17-08-2001
			KR 20010078310 A	20-08-2001
			TW 582184 B	01-04-2004

US 2005205880	A1	22-09-2005	CN 1670802 A	21-09-2005

US 2005078065	A1	14-04-2005	CN 1604165 A	06-04-2005
			JP 2005107003 A	21-04-2005
			KR 20050031411 A	06-04-2005
			US 2009244051 A1	01-10-2009

专利名称(译)	有机发光显示器及其驱动方法		
公开(公告)号	EP2023326A3	公开(公告)日	2010-03-10
申请号	EP2008252543	申请日	2008-07-25
[标]申请(专利权)人(译)	三星斯笛爱股份有限公司		
申请(专利权)人(译)	三星SDI CO. , LTD.		
当前申请(专利权)人(译)	三星移动显示器有限公司.		
[标]发明人	KIM DO IK		
发明人	KIM, DO-IK		
IPC分类号	G09G3/32		
CPC分类号	G09G3/3233 G09G3/2022 G09G3/3291 G09G2300/0842 G09G2320/029 G09G2320/043 G09G2330/02		
优先权	1020070075560 2007-07-27 KR		
其他公开文献	EP2023326A2		
外部链接	Espacenet		

摘要(译)

公开了一种有机发光显示器。有机发光显示器具有测试像素，该测试像素从电源接收电力，其中调节电力的电压以使得一定量的电流在测试像素中流动。然后，调节的电压用于为显示器的其余像素阵列供电。

