



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
06.07.2011 Bulletin 2011/27

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

(43) Date of publication A2:
04.05.2011 Bulletin 2011/18

(21) Application number: **10251289.4**

(22) Date of filing: **20.07.2010**

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

- **Kim, Do-Youb**
Yongin-city
Gyeonggi-do (KR)
- **Ahn, Soon-Sung**
Yongin-city
Gyeonggi-do (KR)
- **Jang, Brent**
Yongin-city
Gyeonggi-do (KR)

(30) Priority: **09.10.2009 KR 20090096108**

(71) Applicant: **Samsung Mobile Display Co., Ltd.**
Yongin-city, Gyeonggi-do 446-711 (KR)

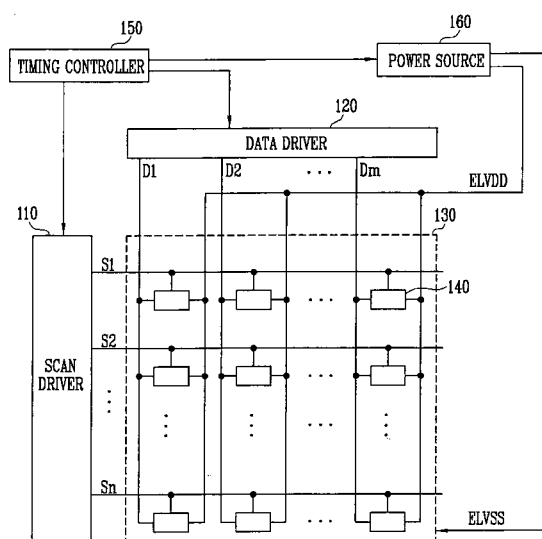
(72) Inventors:
• **Choi, Sang-Moo**
Yongin-city
Gyeonggi-do (KR)

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

(54) **Organic light emitting display and method of driving the same**

(57) An organic light emitting display is capable of reducing power consumption. The organic light emitting display includes a scan driver for sequentially supplying scan signals to scan lines, a data driver for supplying data signals to data lines in synchronization with the scan signals, pixels located at crossing regions of the scan lines and the data lines, a timing controller for determining a normal driving mode for displaying a normal image and a standby driving mode displaying less information than the normal image, and a power source for supplying a first power and a second power to the pixels, wherein a voltage difference between the first power and the second power in the normal driving mode is a first voltage, and a voltage difference between the first power and the second power is a second voltage different from the first voltage.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 10 25 1289

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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Y	* paragraph [0009] - paragraph [0011] * * paragraph [0028] - paragraph [0074] * -----	6,7, 16-18	
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 30 May 2011	Examiner 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 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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EPO FORM 1503 03.82 (F04C01)



EUROPEAN SEARCH REPORT

Application Number
EP 10 25 1289

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
Place of search Munich		Date of completion of the search 30 May 2011	Examiner Njibamum, David
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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EPO FORM 1503 03.82 (P04C01)



Application Number

EP 10 25 1289

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 10 25 1289

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-7, 16-18

An organic light emitting display comprising a pixel circuit and a driving transistor, wherein a power source is configured to set the voltages of the first power and the second power so that the driving transistor is driven in a linear region in the standby driving mode.

2. claims: 8-15

An organic light emitting display, wherein the power source is further configured to supply a third power that is adapted to maintain the same voltage value in the standby driving mode as in the normal driving mode and a fourth power whose voltage in the standby driving mode is different from its voltage in the normal driving mode

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

EP 10 25 1289

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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30-05-2011

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专利名称(译)	有机发光显示器及其驱动方法		
公开(公告)号	EP2317499A3	公开(公告)日	2011-07-06
申请号	EP2010251289	申请日	2010-07-20
[标]申请(专利权)人(译)	三星显示有限公司		
申请(专利权)人(译)	三星移动显示器有限公司.		
当前申请(专利权)人(译)	三星DISPLAY CO. , LTD.		
[标]发明人	CHOI SANG MOO KIM DO YOUB AHN SOON SUNG JANG BRENT		
发明人	CHOI, SANG-MOO KIM, DO-YOUB AHN, SOON-SUNG JANG, BRENT		
IPC分类号	G09G3/32		
CPC分类号	G09G3/3233 G09G2320/0626 G09G2330/022		
优先权	1020090096108 2009-10-09 KR		
其他公开文献	EP2317499A2		
外部链接	Espacenet		

摘要(译)

有机发光显示器能够降低功耗。有机发光显示器包括：扫描驱动器，用于顺序地向扫描线提供扫描信号；数据驱动器，用于与扫描信号同步地向数据线提供数据信号；像素，位于扫描线和数据线的交叉区域；用于确定用于显示正常图像的正常驱动模式的定时控制器和显示比正常图像少的信息的待机驱动模式，以及用于向像素提供第一功率和第二功率的电源，其中第一电源之间的电压差正常驱动模式下的功率和第二功率是第一电压，第一功率和第二功率之间的电压差是不同于第一电压的第二电压。

FIG. 1

