



(11) **EP 2 211 328 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**30.11.2011 Bulletin 2011/48**

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

(43) Date of publication A2:  
**28.07.2010 Bulletin 2010/30**

(21) Application number: **10250108.7**

(22) Date of filing: **22.01.2010**

(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 MK MT NL NO PL PT RO SE SI SK SM TR**  
Designated Extension States:  
**AL BA RS**

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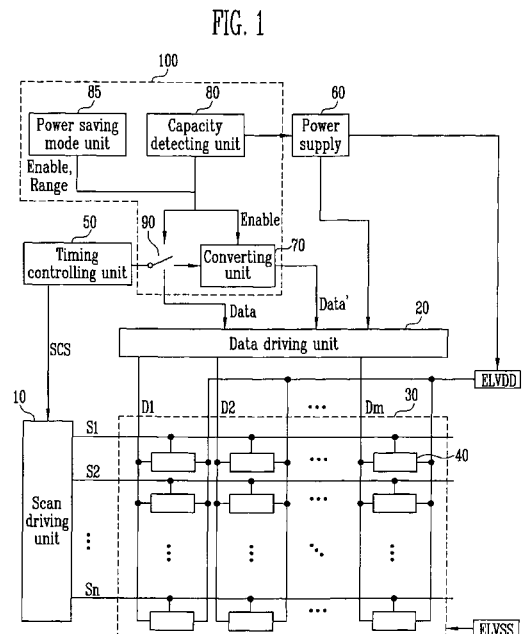
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(30) Priority: **23.01.2009 KR 20090006201**

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(54) **Organic light emitting display device, method of driving the same and power saving unit thereof**

(57) An organic light emitting display device includes a pixel unit including data lines, a data driving unit providing data signals corresponding to first and second data to the data lines, a timing controlling unit controlling the data driving unit and supplying the first data from the outside, and a power supply for the pixel, data driving, and timing controlling units. A converting unit may receive the first data from the timing controlling unit, convert the first data into the second data, and transmit the converted second data to the data driving unit. When the first data supplied from the timing controlling unit has a digital bit corresponding to one of a first range for displaying white-related colors and a second range for displaying black-related colors, the converting unit converts the first data into the second data having a digital bit corresponding to one of the second and first ranges, respectively.



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EUROPEAN SEARCH REPORT

Application Number  
EP 10 25 0108

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 2004/201583 A1 (BURROUGHES JEREMY [GB] ET AL) 14 October 2004 (2004-10-14)	1-8	INV. G09G3/32
Y	* paragraphs [0008], [0028] - [0038]; figure 4 *	9-17	
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A	----- EP 1 758 357 A2 (LG ELECTRONICS INC [KR]) 28 February 2007 (2007-02-28) * abstract * * figures 3,4 *	1-17	
			TECHNICAL FIELDS SEARCHED (IPC)
			G09G
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 13 October 2011	Examiner Giancane, Iacopo
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 (P04G01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 10 25 0108

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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13-10-2011

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专利名称(译)	有机发光显示装置，其驱动方法及其省电单元		
公开(公告)号	<a href="#">EP2211328A3</a>	公开(公告)日	2011-11-30
申请号	EP2010250108	申请日	2010-01-22
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IPC分类号	G09G3/32		
CPC分类号	G09G3/3208 G09G2320/0271 G09G2320/0606 G09G2320/0626 G09G2330/021		
优先权	1020090006201 2009-01-23 KR		
其他公开文献	EP2211328A2		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

有机发光显示装置包括：像素单元，包括数据线;数据驱动单元，将对应于第一和第二数据的数据信号提供给数据线;定时控制单元，控制数据驱动单元，并从外部提供第一数据，以及用于像素，数据驱动和定时控制单元的电源。转换单元可以从定时控制单元接收第一数据，将第一数据转换为第二数据，并且将转换的第二数据发送到数据驱动单元。当从定时控制单元提供的第一数据具有对应于用于显示白色相关颜色的第一范围和用于显示黑色相关颜色的第二范围之一的数字位时，转换单元将第一数据转换为具有第二数据的第二数据。数字位分别对应于第二和第一范围之一。

