(19) Europäisches Patentamt
European Patent Office
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(11) EP 2 079 072 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
09.06.2010 Bulletin 2010/23

(43) Date of publication A2:
15.07.2009 Bulletin 2009/29

(21) Application number: **08291177.7**

(22) Date of filing: **12.12.2008**

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

(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

(30) Priority: **03.01.2008 KR 20080000734**

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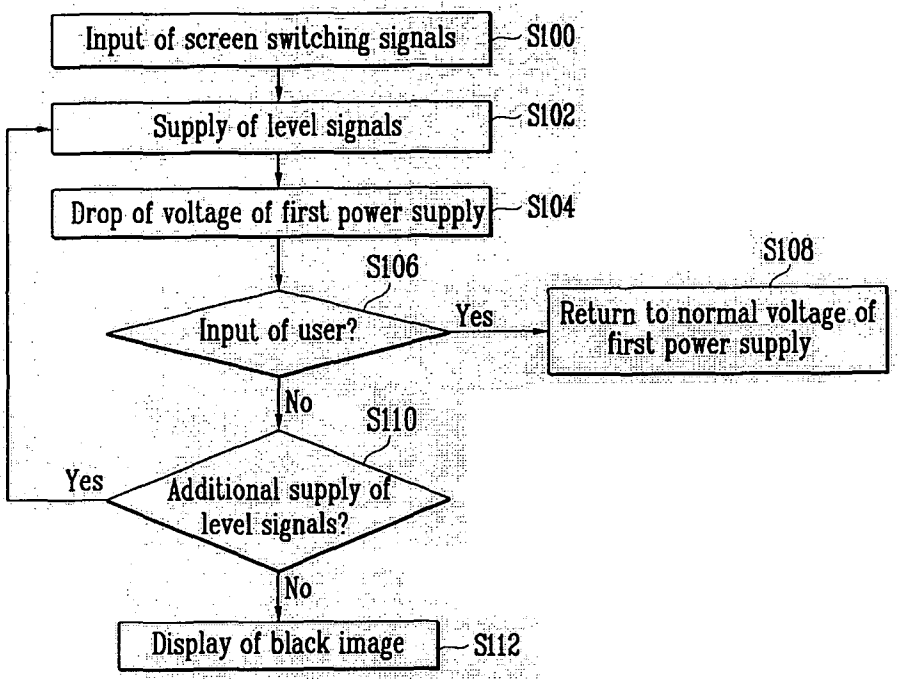
(54) Organic light emitting display device and driving method thereof

(57) A circuit and process capable of smoothly switching between screens of an organic light emitting display by switching an image of a pixel unit (30) that includes a matrix of pixels (40) into a black image by sequentially reducing the voltage of a first power supply (ELVDD) at least two times to display the black image as the screen of the pixel unit (30) transitions to the black image.

FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 08 29 1177

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 1 494 202 A (SANYO ELECTRIC CO [JP]; SANYO TELECOMM CO LTD [JP]; MORI YUKIO [JP]; T) 5 January 2005 (2005-01-05) * paragraphs [0036], [0037]; figure 7 *	1-10	INV. G09G3/32
A	US 2006/244691 A1 (LEE JAE-SUNG [KR]) 2 November 2006 (2006-11-02) * paragraphs [0018] - [0021], [0036] - [0045]; figures 1a,2 *	1-10	
A	US 2004/201583 A1 (BURROUGHES JEREMY [GB] ET AL) 14 October 2004 (2004-10-14) * paragraph [0070] *	1-10	
			TECHNICAL FIELDS SEARCHED (IPC)
			G09G

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	5 May 2010	Gartlan, Michael

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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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
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EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 08 29 1177

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05-05-2010

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EPO FORM P0459

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

专利名称(译)	有机发光显示装置及其驱动方法		
公开(公告)号	EP2079072A3	公开(公告)日	2010-06-09
申请号	EP2008291177	申请日	2008-12-12
[标]申请(专利权)人(译)	三星斯笛爱股份有限公司		
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IPC分类号	G09G3/32		
CPC分类号	G09G3/3225 G09G3/20 G09G2300/0866 G09G2310/066 G09G2330/022 G09G2330/028		
优先权	1020080000734 2008-01-03 KR		
其他公开文献	EP2079072A2		
外部链接	Espacenet		

摘要(译)

通过顺序地降低第一电源的电压，通过将包括像素矩阵（0）的像素单元（30）的图像切换为黑色图像，能够在有机发光显示器的屏幕之间平滑切换的电路和处理（ELVDD）当像素单元（30）的屏幕转变为黑色图像时，显示黑色图像至少两次。