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(54) **Method and System for Programming and Driving Active Matrix Light Emitting Device Pixel**

(57) Method and system for programming and driving active matrix light emitting device pixel is provided. The pixel is a voltage programmed pixel circuit, and has a light emitting device, a driving transistor and a storage capacitor. The pixel has a programming cycle having a

plurality of operating cycles, and a driving cycle. During the programming cycle, the voltage of the connection between the OLED and the driving transistor is controlled so that the desired gate-source voltage of a driving transistor is stored in a storage capacitor.

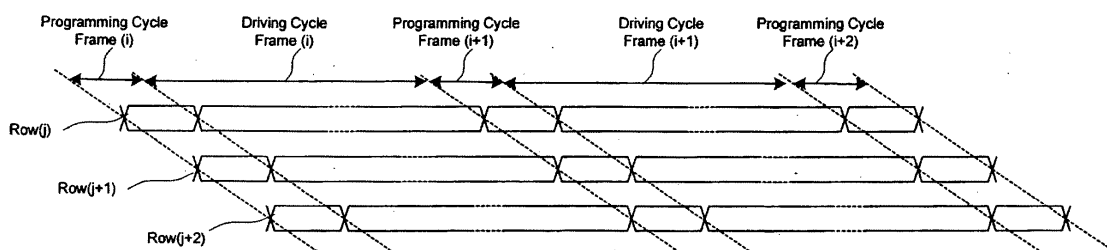


Figure 2



EUROPEAN SEARCH REPORT

Application Number
EP 11 17 5223

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 2003/095087 A1 (LIBSCH FRANK R [US] ET AL) 22 May 2003 (2003-05-22) * the whole document *	1-15	INV. G09G3/32
X	US 2004/174349 A1 (LIBSCH FRANK ROBERT [US] ET AL) 9 September 2004 (2004-09-09) * paragraphs [0001] - [0065]; figures 1-3 *	1-15	
			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 28 October 2011	Examiner Bader, Arnaud
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 (P04C01)

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

EP 11 17 5223

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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28-10-2011

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专利名称(译)	用于编程和驱动有源矩阵发光器件像素的方法和系统		
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[标]申请(专利权)人(译)	伊格尼斯创新公司		
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IPC分类号	G09G3/32 G09G3/3225		
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代理机构(译)	GRÜNECKER , KINKELDEY , STOCKMAIR & SCHWANHÄUSSER		
优先权	2490858 2004-12-07 CA		
其他公开文献	EP2388764B1 EP2388764A2		
外部链接	Espacenet		

摘要(译)

提供了用于编程和驱动有源矩阵发光器件像素的方法和系统。像素是电压编程像素电路，并且具有发光器件，驱动晶体管和存储电容器。像素具有编程周期，该编程周期具有多个操作周期和驱动周期。在编程周期期间，控制OLED和驱动晶体管之间的连接电压，使得驱动晶体管的期望栅极 - 源极电压存储在存储电容器中。

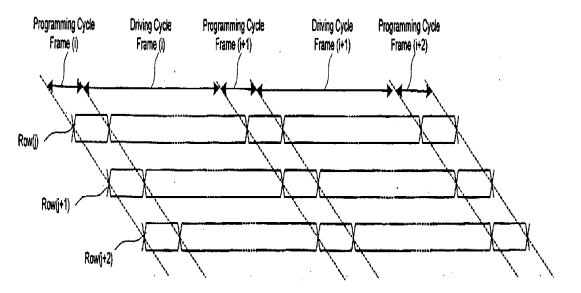


Figure 2