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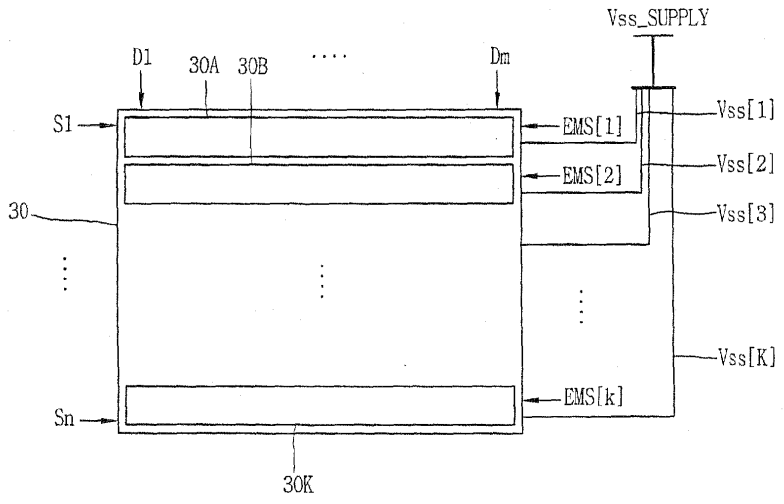
(54) Pixel driving method and apparatus for organic light emitting device

(57) A pixel driving method and apparatus for an organic light emitting device, capable of preventing a driving voltage of a driving transistor inside a pixel from dropping by charging a data voltage to a storage capacitor, in a state that supply of a power supply voltage to an organic light emitting diode (OLED) is cut-off, and then by starting to supply the power supply voltage to the OLED, and capable of sufficiently obtaining a data voltage emission period. The method comprises: defining a display panel of the organic light emitting device into a plurality of display panel regions in a horizontal direction such that a plurality of adjacent scan lines can be included; making pixels inside the plurality of display panel regions share one lower power supply voltage among a plurality of lower power supply voltages supplied from a lower power supply voltage supply terminal by being diverged; and determining a data voltage programming period and a data voltage emission period in one frame period according to each of the display panel regions.

FIG. 9



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EUROPEAN SEARCH REPORT

Application Number
EP 07 12 4161

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	9 June 2010	Lochhead, Steven

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 07 12 4161

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

专利名称(译)	用于有机发光器件的像素驱动方法和装置		
公开(公告)号	EP2040248A3	公开(公告)日	2010-07-28
申请号	EP2007124161	申请日	2007-12-28
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG DISPLAY CO. , LTD.		
当前申请(专利权)人(译)	LG DISPLAY CO. , LTD.		
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IPC分类号	G09G3/32		
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代理机构(译)	庆祝活动，JENTSCHURA & PARTNER		
优先权	1020070096141 2007-09-20 KR		
其他公开文献	EP2040248A2		
外部链接	Espacenet		

摘要(译)

一种用于有机发光装置的像素驱动方法和装置，能够通过将电源电压充电到存储电容器来防止像素内的驱动晶体管的驱动电压下降，其中电源电压提供给存储电容器。切断有机发光二极管（OLED），然后开始向OLED供应电源电压，并且能够充分地获得数据电压发射时段。该方法包括：将有机发光装置的显示面板在水平方向上限定为多个显示面板区域，使得可以包括多个相邻的扫描线;使得在多个显示面板区域内的像素通过发散而从较低电源电压供应端子供应的多个较低电源电压中共享一个较低电源电压;根据每个显示面板区域确定一个帧周期中的数据电压编程周期和数据电压发射周期。