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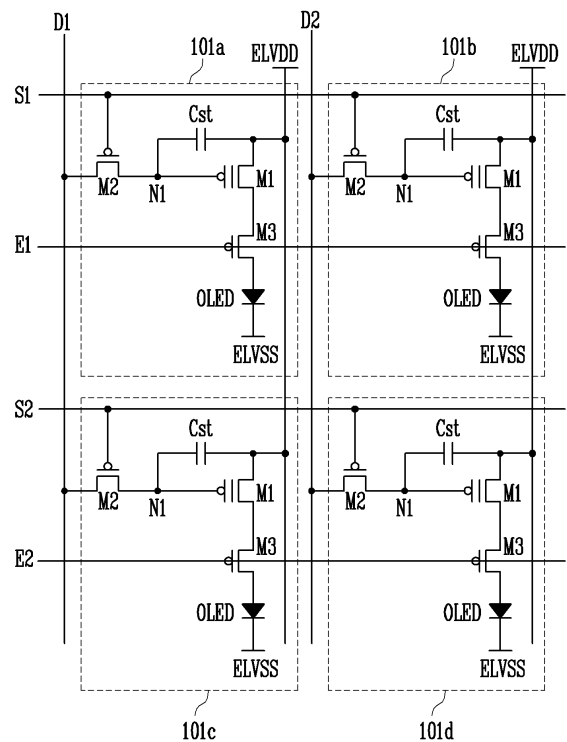
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(54) **Pixel, organic light emitting display and associated methods**

(57) A pixel includes an organic light emitting diode, a first transistor having a source connected to a first power source, a control gate connected to a first node, and a drain connected to a second node, wherein the first transistor includes a floating gate and an insulating layer between the floating gate and the control gate, a second transistor having a source connected to a data line, a drain connected to the first node, and a gate connected to a scan line, a third transistor having a source connected to the second node, a drain connected to the organic light emitting diode, and a gate connected to one of a light emitting control line and the scan line, and a capacitor connected between the first power source and the second node.

FIG. 6





EUROPEAN SEARCH REPORT

Application Number  
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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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A	WO 2006/054189 A (KONINKL PHILIPS ELECTRONICS NV [NL]; VAN GORKOM RAMON P [NL]; HIDDINK) 26 May 2006 (2006-05-26) * the whole document *	1-12	
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			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
The Hague		22 April 2009	Vázquez del Real, S
CATEGORY OF CITED DOCUMENTS		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	
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 08 15 8645

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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)	像素，有机发光显示器和相关方法		
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[标]申请(专利权)人(译)	三星斯笛爱股份有限公司		
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当前申请(专利权)人(译)	三星移动显示器有限公司.		
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优先权	1020070061496 2007-06-22 KR		
其他公开文献	EP2009618A2 EP2009618B1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

像素包括有机发光二极管，具有连接到第一电源的源极的第一晶体管，连接到第一节点的控制栅极，以及连接到第二节点的漏极，其中第一晶体管包括浮置栅极和浮栅和控制栅之间的绝缘层，第二晶体管，其源极连接到数据线，漏极连接到第一节点，栅极连接到扫描线，第三晶体管，源极连接到第二晶体管节点，连接到有机发光二极管的漏极，连接到发光控制线和扫描线之一的栅极，以及连接在第一电源和第二节点之间的电容器。

