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(57) An organic light emitting display device and a driving method for the same. The device includes a data driver that can cause a display of an image having a uniform luminance. The data driver includes a ramp pulse generating part for generating a ramp pulse. The data driver also includes a current digital-to-analogue converting part for generating a data current using data provided to the data driver. The data driver also includes a current control part for providing the ramp pulse to data lines coupled to a pixel and comparing a pixel current from the pixel with the data current to control providing of the ramp pulse to the data lines. The pixel current corresponds to the ramp pulse.



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 07 25 0835

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 1 221 686 A (LG ELECTRONICS INC [KR]) 10 July 2002 (2002-07-10) * the whole document * -----	1-27	INV. G09G3/32
			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 19 August 2008	Examiner Auracher, Stefan
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)

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1221686 A	10-07-2002	CN 1363916 A	14-08-2002
		DE 60218762 T2	06-12-2007
		KR 20020057538 A	11-07-2002
		US 2002089357 A1	11-07-2002

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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)	有机发光显示装置及其驱动方法		
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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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优先权	1020060019354 2006-02-28 KR		
其他公开文献	EP1826744A2		
外部链接	Espacenet		

摘要(译)

有机发光显示装置及其驱动方法。该设备包括数据驱动器，该数据驱动器可以使得具有均匀亮度的图像的显示。数据驱动器包括用于产生斜坡脉冲的斜坡脉冲产生部分。数据驱动器还包括当前数字 - 模拟转换部分，用于使用提供给数据驱动器的数据产生数据电流。数据驱动器还包括电流控制部分，用于将斜坡脉冲提供给耦合到像素的数据线，并将来自像素的像素电流与数据电流进行比较，以控制向数据线提供斜坡脉冲。像素电流对应于斜坡脉冲。

