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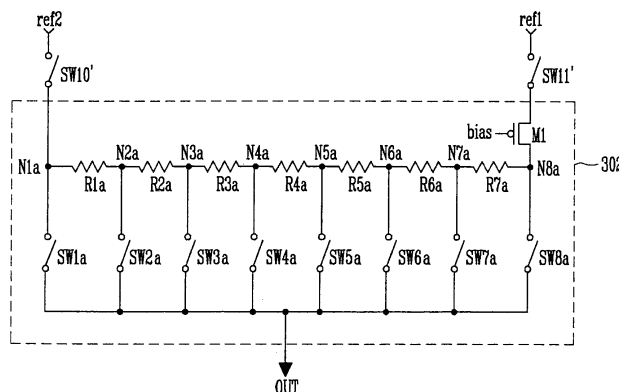
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(54) **Data driver and driving method of organic light emitting display device using the same**

(57) A data driver capable of generating data signals with desired voltage values. The data driver includes a first digital-analog converter including a plurality of first switches, the first digital-analog converter selecting two reference voltages from among a plurality of reference voltages by turning on two of the first switches corresponding to high level bits of data; and a second digital-

analog converter for dividing the two reference voltages into a plurality of voltages and for supplying any one of the two reference voltages and the divided voltages corresponding to low level bits of the data as a data signal to an output terminal, wherein the second digital-analog converter includes a transistor turned on by a bias voltage to compensate for a turn-on resistance of the two of the first switches.

FIG. 5



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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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4 The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			H03M G09G
Place of search	Date of completion of the search	Examiner	
The Hague	5 February 2009	Ladiray, Olivier	
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	
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		& : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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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)	数据驱动器和使用其的有机发光显示装置的驱动方法		
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其他公开文献	EP1901273A2		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

一种能够产生具有所需电压值的数据信号的数据驱动器。数据驱动器包括第一数模转换器，第一数模转换器包括多个第一开关，第一数模转换器通过接通对应于高电平数据位的第一开关中的两个来从多个参考电压中选择两个参考电压；第二数模转换器，用于将两个参考电压分成多个电压，并将两个参考电压和对应于数据的低电平位的分压电压中的任意一个作为数据信号提供给输出端，其中第二数字 - 模拟转换器包括由偏置电压导通的晶体管，以补偿两个第一开关的导通电阻。

FIG. 5

