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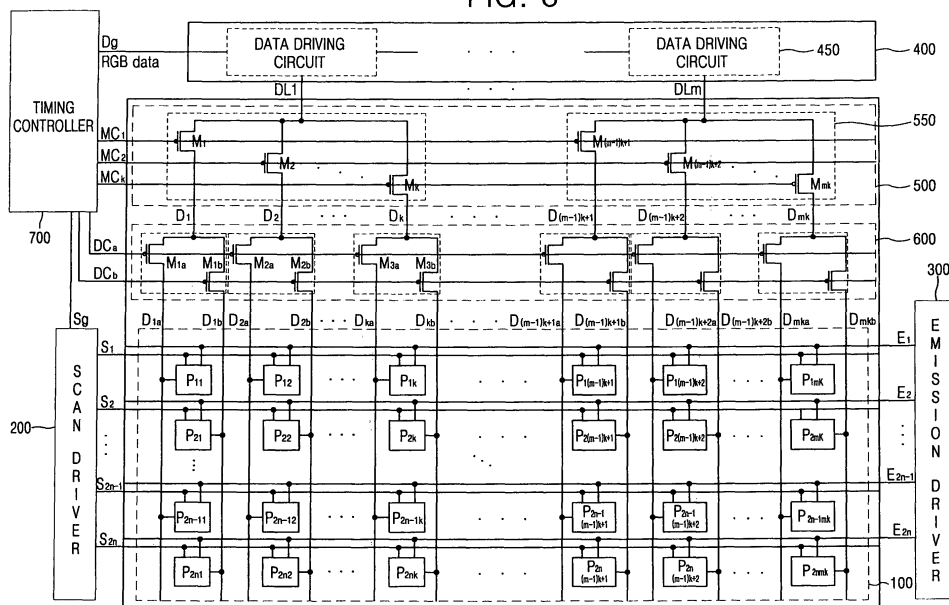
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(54) **Organic light emitting diode display device and method of operating the same**

(57) An organic light emitting diode (OLED) display device having a demultiplexer and a method of operating the OLED are disclosed. In the OLED device, each pixel column is provided two data lines, and each data line is connected to odd or even row pixels of the column. Accordingly,

a data signal can be supplied to one of the data lines during one scan period, and transmitted to the corresponding pixels during a next scan period. Thus, because the data driver is only driving half the pixels of the column, the driving time is reduced.

FIG. 3





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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 October 2007	Examiner LE CHAPELAIN, B
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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专利名称(译)	有机发光二极管显示装置及其操作方法		
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摘要(译)

公开了一种具有多路分解器的有机发光二极管 (OLED) 显示装置和操作该OLED的方法。在OLED器件中，每个像素列被提供两条数据线，并且每条数据线连接到列的奇数或偶数行像素。因此，可以在一个扫描周期期间将数据信号提供给数据线之一，并在下一个扫描周期期间将数据信号发送到相应的像素。因此，因为数据驱动器仅驱动列的一半像素，所以驱动时间减少。

