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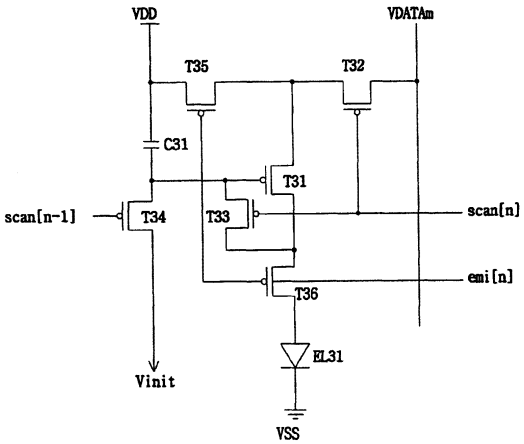
(54) **Organic light emitting device pixel circuit with self-compensation of threshold voltage and driving method therefor**

(57) A pixel circuit in an organic light emitting device capable of realizing high gradation representation by self-compensating a threshold voltage, and a method for driving the same. The pixel drcuit includes an electroluminescent element for emitting light in response to an applied driving current. A first transistor delivers a data signal voltage in response to a current scan line signal. A second transistor generates a driving current to drive the electroluminescent element in response to the data signal voltage. A third transistor connects the second transistor in the form of a diode in response to a current scan signal to self-compensate the threshold voltage of the second transistor. A capacitor stores the data signal voltage delivered to the second transistor. A fourth transistor delivers a power supply voltage to the second transistor in response to a current light-emitting signal. A fifth transistor provides the driving current, provided from the second transistor, for the electroluminescent element in response to the current light-emitting signal.

FIG. 3



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专利名称(译)	具有阈值电压自补偿的有机发光器件像素电路及其驱动方法		
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摘要(译)

能够通过自补偿阈值电压实现高灰度表示的有机发光装置中的像素电路及其驱动方法。像素drcuit包括用于响应于施加的驱动电流而发光的电致发光元件。第一晶体管响应于当前扫描线信号传递数据信号电压。第二晶体管响应于数据信号电压产生驱动电流以驱动电致发光元件。第三晶体管响应于电流扫描信号以二极管的形式连接第二晶体管，以自补偿第二晶体管的阈值电压。电容器存储传送到第二晶体管的数据信号电压。第四晶体管响应于当前的发光信号将电源电压传送到第二晶体管。第五晶体管响应于当前的发光信号提供从第二晶体管提供的用于电致发光元件的驱动电流。

FIG. 3