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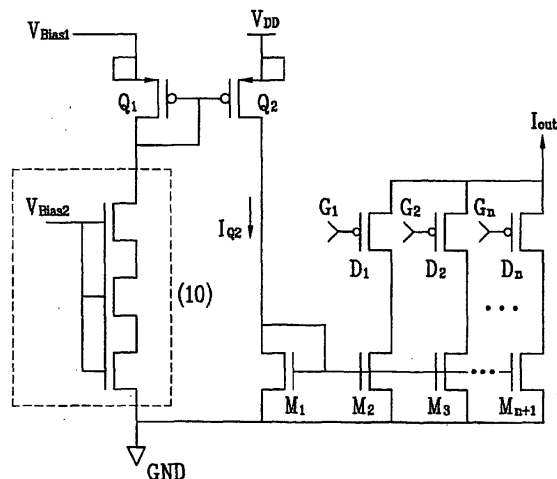
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(54) **Data drive circuit for current writing type active matrix organic luminescent display panel**

(57) Data drive circuit for a current writing type AMOEL display panel including a plurality of current output channels, and a plurality of channel current generating circuits on respective current output channels for minimizing a difference of current levels occurred between the current output channels, each inclusive of one pair of transistors, a current generating part for gener-

ating a current of a small deviation proportional to square of a difference of threshold voltages of the one pair of the transistors, and a current mirror part for mirroring the current, and forwarding the mirrored current as a channel current for the channel, thereby minimizing a difference of current levels occurred between output channels, and driving the AMOEL display panel uniformly.

FIG.5B





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EUROPEAN SEARCH REPORT

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EP 03 00 0091

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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 17 May 2004	Examiner Farricella, L
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 03 00 0091

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专利名称(译)	用于电流写入型有源矩阵有机发光显示板的数据驱动电路		
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当前申请(专利权)人(译)	LG DISPLAY CO. , LTD.		
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CPC分类号	G09G3/3283 G09G3/325 G09G2310/027		
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其他公开文献	EP1327972A2 EP1327972B1		
外部链接	Espacenet		

摘要(译)

用于电流写入型AMOEL显示面板的数据驱动电路，包括多个电流输出通道，以及在各个电流输出通道上的多个通道电流产生电路，用于最小化在电流输出通道之间发生的电流水平的差异，每个电流输出通道包括一个晶体管对，用于产生与一对晶体管的阈值电压的差的平方成比例的小偏差的电流的电流产生部分，以及用于镜像电流的电流镜部分，并且将镜像电流转发为通道的通道电流，从而最小化输出通道之间发生的电流水平的差异，并均匀地驱动AMOEL显示面板。

FIG. 5B

