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(54) **A color OLED display with improved power efficiency**

(57) A color OLED display includes an array of light emitting OLED pixels, each pixel having three or more gamut elements for emitting different colors of light specifying a gamut and at least one additional element for emitting a color of light within the gamut and wherein the power efficiency of the additional element is higher than the power efficiency of at least one of the three or more gamut elements; wherein all of the gamut elements for each color in the display are arranged in a first direction in a line such that no differently colored gamut element is in the line; wherein the colored gamut elements are arranged in a second direction orthogonal to the first direction in a line such that the colors of the gamut elements alternate in that line; and wherein the additional elements are arranged in lines in both the first and second directions.

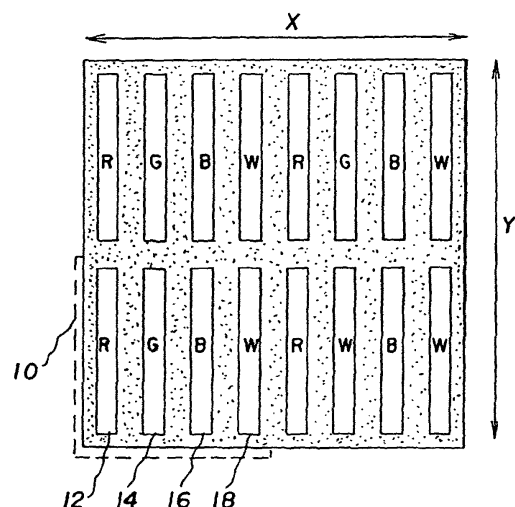


FIG. 1

专利名称(译)	彩色OLED显示屏，具有更高的功效		
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摘要(译)

彩色OLED显示器包括发光OLED像素阵列，每个像素具有三个或更多个色域元件，用于发出指定色域的不同颜色的光，以及至少一个用于在色域内发出光的颜色的附加元件，并且其中功率效率附加元件的数值高于三个或更多个色域元件中的至少一个的功率效率；其中，显示器中每种颜色的所有色域元件在第一方向上排成一行，使得在该行中没有不同颜色的色域元件；其中，有色域元件在与第一方向垂直的第二方向上排成一行，使得色域元件的颜色在该行中交替；并且其中附加元件在第一和第二方向上排列成行。

