ABSTRACT

LUMINESCENT DEVICE

A carrier filing quality between layers in an organic luminescent element is enhanced by application of a hole transporting mixed layer comprising a hole injecting material 811 and a hole transporting material 812, a bipolar-natured mixed layer comprising a hole transporting material 812 and an electron transporting material 813 or an electron transporting mixed layer comprising an electron transporting material 813 and an electron injecting material 814 and further, formation of concentration gradients as shown in Graph 810. By means of this measure, an organic luminescent element of low power consumption and long life is provided, and the organic luminescent element is used to manufacture a luminescent device and an electric appliance.

(Fig. 8)