

ABSTRACT

ORGANIC LIGHT-EMITTING DIODE HAVING OPTICAL RESONATOR IN ADDITION TO PRODUCTION METHOD

The invention relates to an organic light-emitting diode, known under the abbreviation OLED, and to a method for the production of such an organic light-emitting diode. According to the invention, an OLED or organic light-emitting diode having an emitter layer (5) is produced, said emitter layer emitting white light in particular. The emitter layer (5) is arranged within a lossy, optical resonator. The optical path length between the two reflecting layers of the resonator determines the color of the light emitting from the optical resonator and, consequently, from the light-emitting diode. In order to be able to create a variety of colors, there must be different optical path lengths between the two reflecting surfaces. The correspondingly different distances can be produced in only one work step, in contrast to the prior art, by a photolithographic method.

Figure: 1