

Title (en)
LED MODULE WITH PASSIVE LED

Title (de)
LED-MODUL MIT PASSIV-LED

Title (fr)
MODULE DEL AVEC DEL PASSIVE

Publication
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Application
EP 11715878 A 20110402

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Abstract (en)
[origin: WO2011128030A1] The invention relates to an LED module (1) consisting of a plurality of LEDs (76 to 89) which are arranged on a printed circuit board (75) and which each have a so-called embedding with a lens (100 to 113), with which the respective LED (76 to 89) projects from the printed circuit board plane, wherein the LEDs (76 to 89) are in each case coupled to a light coupling-in element of a light guiding body and the respective luminous flux of the associated LEDs (76 to 89) is emitted from the LED module (1) towards the outside by means of the respectively associated light coupling-in element. In order to achieve a homogeneous external appearance, at least one passive LED (95, 96, 97) is provided on the printed circuit board (75) with respect to the LEDs (76 to 89), and said at least one passive LED can be activated upon failure of one of the LEDs (76 to 89). The luminous flux emitted by said passive LED (95, 96, 97) is radiated into the light coupling-in element (30, 31, 32, 33) of the respective LED (76 to 89) and emitted towards the outside via the light coupling-in element.

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