

Title (en)

LED MODULE WITH SILICONE LENS IN 3D PRINTING

Title (de)

LED-MODUL MIT SILIKONLINSE IN 3D DRUCK

Title (fr)

MODULE DEL COMPRENANT UNE LENTILLE EN SILICONE APPLIQUÉE PAR IMPRESSION 3D

Publication

**EP 3782208 A1 20210224 (DE)**

Application

**EP 19718647 A 20190412**

Priority

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- EP 2019059514 W 20190412

Abstract (en)

[origin: WO2019201794A1] The invention relates to an LED module having at least one LED (2), which is fixed to a carrier substrate (1) and electrically contacted, and having a plastic lens, particularly made of silicone, which is applied to the carrier substrate (1) and over the at least one LED (2) by 3D printing, in order to influence the light distribution of the LED. The 3D printing is performed such that the lens is directly connected to the carrier substrate by the printing process in order to mechanically hold the lens on the substrate.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2019201794A1

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