

Title (en)
LED CARRIER AND LUMINOUS BODY

Title (de)
LED TRÄGER- UND LEUCHTKÖRPER

Title (fr)
CORPS TRANSPARENT DE SUPPORT POUR DEL

Publication
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Application
EP 16738368 A 20160615

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Abstract (en)
[origin: WO2016207047A1] The LED holder comprises a carrier and luminous body for LEDs. Said body consists of a hollow part, preferably made of an injected or cast plastic or made of glass, into which an LED can be inserted and which acts as a light diffuser or light transmitter. At least one flat heat transfer plate (5), for example made of metal, is fastened to said plastic part or can be fastened thereon. The part either forms a fastening means per se through shaping, or comprises a special fastening means for inserting, attaching, clicking in, locking, clamping or magnetically adhering or sticking the carrier and luminous body (1) to a suitable object, component or lighting body. For example, the LED carrier and luminous body (1) is formed from a plastic part which has a hollow prismatic shape into which the LED (2) can be inserted with the supply cables (4) thereof, wherein the supply cables (4) can be guided out of the prismatic shape through a hole (3) and the LED (2) can be firmly held in position in the interior of the cables (4). The two outer flat legs of the prismatic shape are fitted with metal plates (5) for heat dissipation, wherein a dovetail profile (7) is formed on the central edge of the prism, with which profile the LED carrier and luminous body (1) can be inserted in a longitudinal direction into a slot in a sheet-metal body (10) so that the metal plates (5) rest against the sheet-metal body (10) in a heat-sealing manner.

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