

Title (en)
ASSEMBLY OF LAMP SOCKET AND LAMP BASE

Title (de)
ANORDNUNG VON LAMPENFASSUNG UND LAMPENSOCKEL

Title (fr)
ASSEMBLAGE D'UNE DOUILLE DE LAMPE ET DE SA BASE

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Abstract (en)
[origin: WO2011015168A1] The invention relates to a lamp socket (11) for retaining an LED (19), comprising a heat sink (12) and a socket housing (13), which contains socket contacts (14) for electrically connecting the LED, and a lamp base (41), which carries an LED (49) connected to a thermally conductive element, can be inserted into the socket housing (13), and comprises base contacts (21), which can be brought into contact with the socket contacts (14) by means of a contact force (F_k) in order to supply the LED (49) with power, the heat sink on the socket side being in contact with the thermally conductive element on the LED side - possibly by means of an agent that promotes heat transfer, such as thermally conductive film or thermally conductive paste - at a contact pressure (F_A) that favors heat transfer, which contact is ensured by a pressing force (F_A) produced by a suitable device, in order to absorb the heat arising during the operation of the LED. The invention is characterized in that the contact between the socket contacts and the base contacts is established by contact formation and/or contact support in a manner that is free from counterforce in regard to the pressing force.

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