

Title (en)
LED lamp

Title (de)
LED lampe

Title (fr)
Lumière à LED

Publication
EP 1995510 A1 20081126 (EN)

Application
EP 07252176 A 20070525

Priority
EP 07252176 A 20070525

Abstract (en)
A LED lamp (20) includes at least one LED unit (21), a thermally-conductive sleeve (22), a heat-dissipating module (23), at least one metal base (24), at least one cover member (25), at least one light reflection member (26), a sheath (27), a foundation (28), and a printed circuit board (PCB) (29). The heat-dissipating module (23) is provided with a plurality of heat sinks (231), each of which has one end serially connected to each other and radially arranged on an outer periphery of the thermally-conductive sleeve (22), and the other end apart from each other, so as to constitute the heat-dissipating module (23). The sheath (27) is used to surround and position the heat sinks (231), so that the heat sinks are confined. The LED unit (21) is mounted on the metal base (24), which is received in a step portion (232) formed on a central portion of each of the heat sinks (231). The light reflection member (26) is provided with a curved focusing portion (261) for focusing a light source projected by the LED unit (21) following by outputting the light source via the cover member (25). The heat generated by the LED unit (21) can be dissipated to the thermally-conductive sleeve (22) via the metal base, and then the heat will be dissipated from the thermally-conductive sleeve (22) to the heat-dissipating module (23) constructed from the heat sinks (231) that are in contact with the thermally-conductive sleeve (22), so as to dissipate the heat to the atmosphere.

IPC 8 full level
F21K 99/00 (2010.01); **F21V 29/00** (2006.01)

CPC (source: EP US)
F21K 9/233 (2016.07 - EP US); **F21V 29/773** (2015.01 - EP US); **F21Y 2103/33** (2016.07 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

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