

Title (en)

LED LAMP WITH OMNIDIRECTIONAL LIGHT RADIATION AND OPTIMIZED HEAT DISSIPATION

Title (de)

LED-LEUCHTMITTEL MIT OMNIDIREKTIONALER LICHTABSTRAHLUNG UND OPTIMIERTER WÄRMEABLEITUNG

Title (fr)

MOYEN D'ÉCLAIRAGE DEL AVEC RAYONNEMENT LUMINEUX OMNIDIRECTIONNEL ET ÉVACUATION DE CHALEUR OPTIMISÉE

Publication

EP 2118562 B1 20120627 (DE)

Application

EP 07857088 A 20071221

Priority

- EP 2007011381 W 20071221
- DE 102006061020 A 20061222

Abstract (en)

[origin: DE102006061020B3] The illuminant has a set of carriers (1.1-1.4) that are bent and arranged such that bent carrier sections (2.i) are joined and a solid angle of a surface of the sections corresponds to different solid angles of a polyhedron. LEDs (4.i) are arranged on the sections, where heat of the LEDs is dissipated by the carriers based on the sections. Two of the carriers are arranged parallel to a common axis. The carriers (1.1, 1.2) extend in a direction along the common axis during the carriers (1.3, 1.4) extend in another direction that is aligned against the former direction along the axis. An independent claim is also included for a method for manufacturing an LED illuminant.

IPC 8 full level

F21K 99/00 (2010.01)

CPC (source: EP US)

F21K 9/00 (2013.01 - EP US); **F21K 9/232** (2016.07 - EP US); **F21V 29/503** (2015.01 - US); **F21Y 2107/00** (2016.07 - EP US); **F21Y 2107/40** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

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