

Title (en)

Lamp unit with a LED with integrated light deflection body

Title (de)

Leuchteinheit mit einer Leuchtdiode mit integriertem Lichtumlenkkörper

Title (fr)

Unité d'éclairage dotée d'une diode à corps de changement de direction de la lumière intégré

Publication

EP 1881258 B1 20090422 (DE)

Application

EP 07013173 A 20070705

Priority

DE 102006034070 A 20060720

Abstract (en)

[origin: EP1881258A1] The lighting unit has a non glowing light source (21) comprising illuminating diode and has an optical light distribution body downstream to the light source. The distribution body is a part of the illuminating diode. The section of the distribution body adjacent to the light source has an elliptical section as envelope in a section plane, which has the optical axis. A semi-major axis (36) of the ellipse is arranged in the zero degree direction shifted from the light source and that the radius of the osculation circle of the semi-major axis averages between 30 percent and 90 percent.

IPC 8 full level

F21K 7/00 (2006.01); **F21K 99/00** (2010.01)

CPC (source: EP US)

F21V 5/04 (2013.01 - EP US); **F21V 7/0091** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Cited by

CN104344347A; DE102009005552A1; EP2530372A1; EP2824387A1; EP2587120A1; EP2743565A1; EP2743572A1; EP3366982A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 1881258 A1 20080123; **EP 1881258 B1 20090422**; CN 101109489 A 20080123; DE 102006034070 A1 20080131; DE 502007000631 D1 20090604; US 2008019136 A1 20080124

DOCDB simple family (application)

EP 07013173 A 20070705; CN 200710105460 A 20070531; DE 102006034070 A 20060720; DE 502007000631 T 20070705; US 77834307 A 20070716