

Title (en)

LED lighting device with asymmetric light distribution, in particular for street lighting

Title (de)

LED-Beleuchtungseinrichtung mit asymmetrischer Lichtverteilung, insbesondere für Straßenleuchten

Title (fr)

Dispositif d'éclairage DEL doté d'une répartition asymétrique de la lumière, en particulier pour éclairages publics

Publication

EP 2039985 B1 20171025 (DE)

Application

EP 08016580 A 20080919

Priority

DE 102007044893 A 20070920

Abstract (en)

[origin: EP2039985A2] The light emitting diode (LED) lighting device comprises a LED (1) with a main radiation pattern in a light emission of the LED and a light conducting body (3). The light distribution in a cutting plane defines a light distribution curve (12,14,18), where the main radiation pattern of the LED lies in the cutting plane. The light distribution curve has a main maximum and a secondary maximum, where the main maximum lies asymmetrically according to the main radiation pattern of the LED. An independent claim is included for a light with a circuit board.

IPC 8 full level

F21S 8/08 (2006.01); **F21S 8/10** (2006.01); **F21V 5/04** (2006.01); **F21V 7/00** (2006.01)

CPC (source: EP US)

F21S 8/086 (2013.01 - EP US); **F21V 5/04** (2013.01 - EP US); **F21V 7/0091** (2013.01 - EP); **F21W 2131/103** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Cited by

CN102356269A; DE102014102697A1; DE102013207663A1; EP2378340A1; FR2958997A1; EP2307791A4; DE102009021208A1; CN102483205A; CN102803835A; US2015183525A1; CN102588876A; US9360172B2; US8657466B2; DE202013103401U1; US9752752B2; WO2010130732A1; EP2246612A1; DE102011085289A1; DE102011085289B4; EP2592334A1; WO2013068338A1; WO2010130674A1; EP2430360A1; US8282239B2; US8511854B2; US8764232B2; US9127819B2; WO2012095242A1; US9562665B2; US9618182B2; US9659511B2; US9685102B1; US9732932B2; US9734738B2; US9734737B2; US9812043B2; US9947248B2; US10223946B2; US10339841B2; US10410551B2; US10891881B2

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