

Title (en)

Lighting fixtures with LED lights for illumination of outside public areas

Title (de)

Leuchten mit LED-Lampen zur Beleuchtung von öffentlichen Außenbereichen

Title (fr)

Appareils d'éclairage à DEL pour éclairer les lieux publics à l'extérieur

Publication

EP 2058584 B1 20110803 (EN)

Application

EP 08075872 A 20081112

Priority

NL 2000996 A 20071112

Abstract (en)

[origin: EP2058584A1] A first aspect concerns to a lighting fixture which comprises: - a cover and a bottom plate mutually coupled to form an enclosure, said bottom plate having one or more through openings; - a carrier or circuit board placed inside said enclosure; - one or more LEDs, mechanically fixed to said circuit board and electrically connected to the circuit there defined, to emit light through said openings; and - one or more refractive optical elements fixed to the internal face of the bottom plate through the periphery of one of said through openings, intended to guide the light emitted by the LEDs to an illumination area on an illumination surface out of said enclosure. A second aspect of the invention relates to a street lamp which comprises the lighting fixture of the first aspect.

IPC 8 full level

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CPC (source: EP US)

F21S 8/086 (2013.01 - EP US); **F21V 3/04** (2013.01 - EP); **F21V 5/007** (2013.01 - EP US); **F21V 5/04** (2013.01 - EP US); **F21V 5/10** (2018.01 - EP US); **F21V 17/107** (2013.01 - EP); **F21V 31/00** (2013.01 - EP); **F21W 2131/103** (2013.01 - EP); **F21W 2131/105** (2013.01 - EP); **F21Y 2105/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Cited by

JP2015537354A; CN102207263A; EP2372233A3; DE102009044388A1; EP2365243A1; ITMI20112064A1; EP2592329A1; CN104806930A; US2016053952A1; CN106574758A; RU2654203C1; US2018356058A1; CN103917819A; EP3617583A1; US8511862B2; US11277974B2; EP3908783A4; WO2016033019A1; US8814396B2; US9353927B2; CN104969001A; JP2016500462A; JP2016504723A; RU2635406C2; WO2013062492A1; US8585274B2; US10072836B2; US10443820B2; WO2014087357A1; EP2679893B1; EP2753863B1; US9732912B2; US9890928B2; US10006608B2; WO2011011734A1; WO2011023927A1; WO2011120544A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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