

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: NL2000996C2] The refractive optical components (6) for the LED's (11) also act as seals to protect the LED's from the weather. The fixture (1) comprises at least one light emitting diode (LED) mounted on a support (4), as well as at least one refractive optical component for guiding the light from the LED towards a surface requiring illumination.

IPC 8 full level

**F21S 8/08** (2006.01); **F21V 5/04** (2006.01); **F21V 31/00** (2006.01); **F21W 131/103** (2006.01); **F21Y 101/02** (2006.01)

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** (2018.02 - 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** (2016.08 - EP US); **F21Y 2115/10** (2016.08 - EP US)

Cited by

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

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DOCDB simple family (publication)

**EP 2058584 A1 20090513**; **EP 2058584 B1 20110803**; AT E519069 T1 20110815; DK 2058584 T3 20110919; ES 2369205 T3 20111128; NL 2000996 A1 20080407; NL 2000996 C2 20080915; PL 2058584 T3 20111230; PT 2058584 E 20110922; SI 2058584 T1 20111230

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