

Title (en)

LIGHTING DEVICE, IN PARTICULAR FOR CONVERTING EXISTING LAMPS TO LED TECHNOLOGY

Title (de)

BELEUCHTUNGSVORRICHTUNG, INSBESONDERE ZUM UMRÜSTEN BESTEHENDER LEUCHTEN AUF LED-TECHNIK

Title (fr)

DISPOSITIF D'ÉCLAIRAGE, NOTAMMENT POUR TRANSFORMER DES LUMINAIRES EXISTANTS À LA TECHNOLOGIE À LED

Publication

EP 2561267 A1 20130227 (DE)

Application

EP 10781820 A 20101026

Priority

- DE 202010005910 U 20100420
- EP 2010006527 W 20101026

Abstract (en)

[origin: WO2011131219A1] The invention relates to a lighting device (1), preferably for illuminating public spaces, such as streets, squares, transportation stops, sidewalks, or cycleways, comprising: at least one LED lighting means (2, 3), preferably in the form of a planar arrangement of light-emitting diodes; at least one electrical connection element (4, 4', 10, 11, 12) for connecting the LED lighting means (2, 3) to an electrical current/voltage supply; and at least one carrier plate (5), to which at least the LED lighting means is fastened in a thermally conductive manner; the lighting device being characterized in that the carrier plate (5) is an aluminum composite plate, which has an upper cover layer (5b) and a lower cover layer (5c) made of aluminum or an aluminum alloy, preferably AlMg 1, and a core (5a), preferably made of plastic and/or a mineral material, especially preferably having a polymer-based binder, and/or a metal material, especially preferably having a honeycomb structure or the like, and in that the LED lighting means (2, 3) is in thermally conductive contact with one of the cover layers (5b).

IPC 8 full level

F21S 8/08 (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP US)

F21K 9/00 (2013.01 - EP US); **F21V 23/005** (2013.01 - EP US); **F21V 29/70** (2015.01 - EP US); **F21W 2131/103** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

See references of WO 2011131219A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 202010005910 U1 20100826; EP 2561267 A1 20130227; WO 2011131219 A1 20111027

DOCDB simple family (application)

DE 202010005910 U 20100420; EP 10781820 A 20101026; EP 2010006527 W 20101026