

Title (en)
LIGHTING DEVICE AND SYSTEM FOR VARIABLE STREET LIGHTING

Title (de)
BELEUCHTUNGSVORRICHTUNG UND SYSTEM ZUR VARIABLEN STRASSENBELEUCHTUNG

Title (fr)
DISPOSITIF D'ÉCLAIRAGE ET SYSTÈME D'ÉCLAIRAGE DE RUE VARIABLE

Publication
EP 3736486 A1 20201111 (EN)

Application
EP 19290030 A 20190508

Priority
EP 19290030 A 20190508

Abstract (en)
The present invention relates to a lighting device (100) for road and/or street lighting, comprising a light source (300-302) for emitting light with a first light distribution (LD1) in a main light emitting direction (310), and a reflector (200-203), which is positioned in front of the light source (300-302) along the main light emitting direction (310), with a reflector surface (220) for directing the light from the light source (300-302) towards an illumination area (IA) with a second light distribution (LD2), wherein the light source (300-302) is configured to vary the first light distribution (LD1) for illuminating different portions of the reflector surface (220), and wherein the reflector (200-203) is provided with respect to the light source (300-302) such that the second light distribution (LD2) of the light illuminating the illumination area (IA) is defined differently depending on the portions of the reflector surface (220) illuminated with the light of the first light distribution (LD1). The present invention also relates to a lighting system (700) with the lighting device (100) and a method for adapting the light distribution of the lighting device (100).

IPC 8 full level
F21V 7/00 (2006.01); **F21S 10/00** (2006.01); **F21V 14/02** (2006.01); **F21V 23/04** (2006.01)

CPC (source: EP)
F21S 10/00 (2013.01); **F21V 7/0008** (2013.01); **F21V 14/02** (2013.01); **F21V 23/04** (2013.01); **F21W 2131/103** (2013.01); **F21Y 2105/14** (2016.07); **F21Y 2115/10** (2016.07)

Citation (search report)

- [X] US 2007263388 A1 20071115 - LAI CHIEH-LUNG [TW], et al
- [X] DE 202011003261 U1 20110428 - HESS VERWALTUNGS GMBH [DE]
- [X] WO 2008151801 A1 20081218 - LUXSOLI GMBH [DE], et al
- [A] WO 2014180647 A1 20141113 - KONINKL PHILIPS NV [NL]
- [A] KR 101724691 B1 20170410 - MEPSI ELECTRONICS [KR]
- [A] WO 2012059790 A1 20120510 - NANTO SRL [IT], et al
- [A] WO 2010070565 A1 20100624 - GERLI ALBERTO [IT], et al
- [A] US 2014084809 A1 20140327 - CATALANO ANTHONY W [US]

Cited by
EP4001748A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3736486 A1 20201111; EP 3736486 B1 20211201

DOCDB simple family (application)
EP 19290030 A 20190508