

Title (en)  
LUMINAIRE AND TRAFFIC ROUTE ILLUMINATION DEVICE

Title (de)  
LEUCHTE UND VERKEHRSWEGBELEUCHTUNGSEINRICHTUNG

Title (fr)  
APPAREIL D'ÉCLAIRAGE, ET DISPOSITIF D'ÉCLAIRAGE DE VOIE DE CIRCULATION

Publication  
**EP 2507542 B1 20150624 (DE)**

Application  
**EP 10782615 A 20101125**

Priority  
• DE 102009056385 A 20091130  
• EP 2010068247 W 20101125

Abstract (en)  
[origin: CA2782230A1] In at least one embodiment of the luminaire (1) the latter comprises at least one optoelectronic semiconductor component (4) and also at least one primary optical unit (11) which is disposed downstream of the semiconductor component (4) and is spaced apart from the latter. Furthermore, the luminaire (1) has a secondary optical unit (22) and/or a tertiary optical unit (33), which are disposed downstream of the primary optical unit (11). A proportion of at least 30% of a radiation emitted by the semiconductor component (4) passes to the secondary optical unit (22) and/or to the tertiary optical unit (33). Furthermore, the secondary optical unit (22) and/or the tertiary optical unit (33) are/is designed for small-angle scattering of the radiation emitted by the semiconductor component (4).

IPC 8 full level  
**F21S 8/08** (2006.01); **F21V 5/04** (2006.01); **F21V 13/04** (2006.01); **F21V 5/00** (2015.01); **F21V 5/08** (2006.01); **F21V 7/00** (2006.01); **F21V 7/09** (2006.01); **F21W 131/103** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP KR US)  
**F21V 5/002** (2013.01 - EP KR US); **F21V 5/04** (2013.01 - EP KR US); **F21V 5/08** (2013.01 - EP KR US); **F21V 7/005** (2013.01 - KR); **F21V 7/09** (2013.01 - KR); **F21V 13/04** (2013.01 - EP KR US); **F21V 7/005** (2013.01 - EP US); **F21V 7/09** (2013.01 - EP US); **F21W 2131/103** (2013.01 - EP KR US); **F21Y 2115/10** (2016.07 - EP KR US)

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 102009056385 A1 20110601**; CA 2782230 A1 20110603; CN 102667319 A 20120912; CN 102667319 B 20151125; EP 2507542 A1 20121010; EP 2507542 B1 20150624; JP 2013512549 A 20130411; KR 20120102730 A 20120918; US 2012299464 A1 20121129; US 8840270 B2 20140923; WO 2011064313 A1 20110603

DOCDB simple family (application)  
**DE 102009056385 A 20091130**; CA 2782230 A 20101125; CN 201080054233 A 20101125; EP 10782615 A 20101125; EP 2010068247 W 20101125; JP 2012541414 A 20101125; KR 20127016716 A 20101125; US 201013512881 A 20101125