

Title (en)

LIGHTING DEVICE FOR VEHICLES PROVIDED WITH COOLED LIGHTING MODULES

Title (de)

BELEUCHTUNGSVORRICHTUNG FÜR MIT GEKÜHLTEN BELEUCHTUNGSMODULEN AUSGESTATTETE FAHRZEUGE

Title (fr)

DISPOSITIF D'ÉCLAIRAGE POUR VÉHICULES POURVUS DE MODULES D'ÉCLAIRAGE REFROIDIS

Publication

EP 3428514 A1 20190116 (EN)

Application

EP 17180838 A 20170711

Priority

EP 17180838 A 20170711

Abstract (en)

Lighting device (1) for a vehicle including a cup-shaped housing body (2) and at least one cooled lighting module (5) arranged within the housing body facing a front inlet opening (3) thereof closed by a transparent cover or lens (4); wherein each cooled lighting module includes at least one light source (6), a radiator element (7) operatively associated to the at least one light source to remove the heat generated in use thereby and a diverter screen element (10) assembled directly onto the radiator element, rigid therewith and spaced apart therefrom, delimiting with the radiator element and within the housing body a non-linear channel (12) arranged at the rear of the light source and having a first open end (14) facing a fan (16) operatively associated with the radiator element (7) and a second open end (15) facing the transparent cover or lens (4).

IPC 8 full level

F21S 45/43 (2018.01); **F21S 41/143** (2018.01)

CPC (source: CN EP)

F21S 45/43 (2017.12 - CN EP); **F21S 45/48** (2017.12 - CN); **F21V 29/677** (2015.01 - CN); **F21V 29/767** (2015.01 - CN); **F21V 29/87** (2015.01 - CN); **F21S 41/143** (2017.12 - EP); **F21S 45/47** (2017.12 - EP); **F21W 2102/13** (2017.12 - CN); **F21Y 2115/10** (2016.07 - CN)

Citation (applicant)

EP 2148133 A2 20100127 - KOITO MFG CO LTD [JP]

Citation (search report)

- [X] WO 2012013601 A1 20120202 - VALEO VISION [FR], et al
- [X] WO 2016110573 A1 20160714 - VALEO VISION [FR]
- [A] FR 2958217 A1 20111007 - PEUGEOT CITROEN AUTOMOBILES SA [FR]

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 3428514 A1 20190116; **EP 3428514 B1 20220105**; CN 109237427 A 20190118; CN 109237427 B 20220705

DOCDB simple family (application)

EP 17180838 A 20170711; CN 201810758103 A 20180711