

Title (en)

MULTIFUNCTIONAL VEHICLE OPTICAL UNIT HAVING CONTROLLABLE LIGHT SOURCES AND BRIGHTNESS

Title (de)

OPTISCHE MEHRZWECKEINHEIT MIT STEUERBARER LICHTQUELLE UND HELLIGKEIT FÜR EIN FAHRZEUG

Title (fr)

BLOC OPTIQUE MULTIFONCTIONS DE VÉHICULE, À SOURCES LUMINEUSES ET INTENSITÉ LUMINEUSE CONTRÔLABLES

Publication

EP 2841302 A1 20150304 (FR)

Application

EP 13722498 A 20130418

Priority

- FR 1253684 A 20120423
- FR 2013050851 W 20130418

Abstract (en)

[origin: WO2013160588A1] The invention relates to an optical unit (BO) with which a vehicle is to be provided and which includes: firstly, first (s1) and second (s2) sources capable of producing first and second white lights, respectively; secondly, reflecting means (R1, R2) capable of reflecting the first and second white lights in predefined first and second areas, respectively; and, thirdly, control means (MC) designed to determine which source from between the first (S1) and second (S2) sources is to be supplied with an electric current and what brightness said source should produce on the basis of each operating condition of the vehicle, so as to ensure either a daylight function, a side light function, a low-beam light function, or a high-beam light function.

IPC 8 full level

B60Q 1/14 (2006.01); **B60Q 1/28** (2006.01); **F21S 8/10** (2006.01)

CPC (source: EP US)

F21S 41/148 (2017.12 - EP US); **F21S 41/321** (2017.12 - EP); **F21S 41/338** (2017.12 - EP); **F21S 41/663** (2017.12 - EP US); **B60Q 2400/20** (2013.01 - EP); **B60Q 2400/30** (2013.01 - EP)

Citation (search report)

See references of WO 2013160588A1

Cited by

US11345303B2; US11661025B2; US11766984B2

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)

FR 2989647 A1 20131025; FR 2989647 B1 20150227; CN 104470756 A 20150325; EP 2841302 A1 20150304; WO 2013160588 A1 20131031

DOCDB simple family (application)

FR 1253684 A 20120423; CN 201380021635 A 20130418; EP 13722498 A 20130418; FR 2013050851 W 20130418