

Title (en)

Optical unit for a signalling and / or lighting device

Title (de)

Optische Einheit für Vorrichtung zur Signalisierung und/oder Beleuchtung

Title (fr)

Unité optique pour dispositif de signalisation et/ou d'éclairage

Publication

EP 2489925 B1 20211020 (FR)

Application

EP 12155491 A 20120215

Priority

FR 1151212 A 20110215

Abstract (en)

[origin: EP2489925A1] The unit (1) has a light source (2) i.e. LED, emitting Lambertian or isotropic light. A lens (3) is associated with the light source to produce a complementary light beam, and has a corrugated face (4) to obtain the complementary light beam with straightened side edges. The lens has a basic geometric surface that corresponds to an output face of a stigmatic lens. The corrugated face of the lens has undulations (5) with variable slope that is measured with respect to the basic geometric surface, where each undulation is formed in a ridge (7). Independent claims are also included for the following: (1) a signaling and/or lighting device for a motor vehicle (2) a method for producing a light beam i.e. high-way beam.

IPC 8 full level

F21S 41/25 (2018.01); **F21S 43/14** (2018.01); **F21V 5/00** (2018.01)

CPC (source: EP US)

F21S 41/147 (2017.12 - EP US); **F21S 41/155** (2017.12 - EP); **F21S 41/25** (2017.12 - EP); **F21S 41/255** (2017.12 - EP); **F21S 41/275** (2017.12 - EP); **F21S 43/14** (2017.12 - EP US)

Cited by

FR3004786A1; CN110337565A; EP3246621A1; FR3051537A1; US10914443B2; US9328888B2; WO2018177757A1; WO2013104785A1

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)

EP 2489925 A1 20120822; EP 2489925 B1 20211020; FR 2971464 A1 20120817; FR 2971464 B1 20141128

DOCDB simple family (application)

EP 12155491 A 20120215; FR 1151212 A 20110215