

Title (en)
LASER VEHICLE HEADLIGHT

Title (de)
LASER-FAHRZEUGSCHEINWERFER

Title (fr)
PROJECTEUR DE VÉHICULE DU TYPE LASER

Publication
EP 2802807 B1 20171018 (DE)

Application
EP 13714181 A 20130228

Priority
• AT 500712012 A 20120312
• AT 2013050049 W 20130228

Abstract (en)
[origin: WO2013134803A1] The invention relates to a light guiding element (1) for a laser vehicle headlight (2), wherein the laser vehicle headlight (2) comprises at least one laser light source (3) and at least one luminous element (4) which can be irradiated by the laser light source (3) and can thus be excited to emit visible light. The light guiding element (1) has a first side (10), which is designed at least partly as a light entrance surface (5), and a second side (20) arranged opposite the first side (10), said second side being designed at least partly as a light exit surface (6) and being assigned at least one receptacle (7) for at least one luminous element (4), wherein the light entrance surface (5) is assigned at least one first reflection region (50) which is oriented in the direction of the interior of the light guiding element (1) and reflects light from the light entrance surface (5) in the direction of the receptacle (7) for the luminous element (4), and wherein the light exit surface (6) is assigned at least one second reflection region (60) which is oriented in the direction of the interior of the light guiding element (1) and reflects light from the luminous element (4) in the direction of the light exit surface (6). The invention furthermore relates to a vehicle headlight (2) comprising at least one light guiding element of this type.

IPC 8 full level
F21S 8/10 (2006.01)

CPC (source: EP US)
F21S 41/16 (2017.12 - EP US); **F21S 41/176** (2017.12 - EP US); **F21S 41/24** (2017.12 - EP US); **F21S 41/285** (2017.12 - EP US); **F21S 41/29** (2017.12 - EP US); **F21S 41/365** (2017.12 - EP US); **F21S 41/37** (2017.12 - EP US); **F21S 41/40** (2017.12 - EP US); **F21S 45/43** (2017.12 - EP US); **F21S 45/60** (2017.12 - EP US)

Cited by
CN110053546A

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)
WO 2013134803 A1 20130919; AT 512590 A1 20130915; AT 512590 B1 20131115; CN 104160209 A 20141119; CN 104160209 B 20170630; EP 2802807 A1 20141119; EP 2802807 B1 20171018; IN 1972MUN2014 A 20150703; JP 2015513382 A 20150511; JP 6108185 B2 20170405; MX 2014010936 A 20141113; US 2015078022 A1 20150319; US 9677733 B2 20170613

DOCDB simple family (application)
AT 2013050049 W 20130228; AT 500712012 A 20120312; CN 201380014088 A 20130228; EP 13714181 A 20130228; IN 1972MUN2014 A 20141001; JP 2014561226 A 20130228; MX 2014010936 A 20130228; US 201314384243 A 20130228