

Title (en)

ILLUMINATED POINTER INSTRUMENT FOR A MOTOR VEHICLE

Title (de)

BELEUCHTETES ZEIGERINSTRUMENT FÜR EIN KRAFTFAHRZEUG

Title (fr)

INSTRUMENT INDICATEUR ÉCLAIRÉ DESTINÉ À UN VÉHICULE AUTOMOBILE

Publication

EP 3167250 A1 20170517 (DE)

Application

EP 15735856 A 20150707

Priority

- DE 102014010310 A 20140711
- EP 2015001391 W 20150707

Abstract (en)

[origin: WO2016005051A1] The invention relates to an indication device (12) for a motor vehicle (10), comprising a pointer needle (18) with a transparent optical waveguide (42) configured, at a light-entry side (64), to receive light (38) propagating along a direction of propagation (68) from a light-coupling device (20, 46) and, at a light-exit side (72), to emit the light (38) in an emission direction (40). The invention is based on the object of providing in the indication device (12) a pointer needle (18) that is clearly perceivable in the dark. To this end, the optical waveguide (42) has a scattering side (74) opposite to the light-exit side (70), which scattering side has a plurality of steps (80) arranged offset to one another across the propagation direction (68).

IPC 8 full level

G01D 5/26 (2006.01); **F21V 8/00** (2006.01)

CPC (source: CN EP US)

B60K 35/00 (2013.01 - US); **G01D 11/28** (2013.01 - CN EP US); **G01D 13/22** (2013.01 - US); **G01D 13/265** (2013.01 - CN EP US); **G02B 6/00** (2013.01 - US); **G12B 11/04** (2013.01 - US); **B60K 2360/6992** (2024.01 - EP US)

Citation (search report)

See references of WO 2016005051A1

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)

DE 102014010310 B3 20151126; CN 106489067 A 20170308; CN 106489067 B 20180223; EP 3167250 A1 20170517; US 2017178754 A1 20170622; US 9837172 B2 20171205; WO 2016005051 A1 20160114

DOCDB simple family (application)

DE 102014010310 A 20140711; CN 201580037922 A 20150707; EP 15735856 A 20150707; EP 2015001391 W 20150707; US 201515325340 A 20150707