

Title (en)
Vehicle headlamp

Title (de)
Fahrzeugscheinwerfer

Title (fr)
Phare de véhicule

Publication
EP 2426406 A2 20120307 (EN)

Application
EP 11179692 A 20110901

Priority
JP 2010196603 A 20100902

Abstract (en)
There is provided a vehicle illumination lamp that selectively forms a light distribution pattern (PR) for rain driving and a high beam light distribution pattern (PH). The lamp includes: a light bulb (18) configured to emit light and including: a low beam filament (18a) configured to form the light distribution pattern (PR); and a high beam filament (18b) configured to form the high light distribution (PH), a reflector (20) configured to reflect the light emitted from the light bulb in a vehicle forward direction, a reflective surface of the reflector being divided into, in a vehicle width direction: a first area (Z1) located on a traveling lane-side; a second area (Z2) located on an opposite lane-side; and a third area (Z3,Z4) located between the first area and the second area. A central axis (Ax1) of the light bulb is inclined upward with respect to an optical axis (Ax) of the reflector at a certain angle in the vehicle forward direction. The light distribution pattern (PR) includes: a first light distribution pattern (PR1) formed by the light reflected by the first area (Z1) of the reflective surface of the reflector, wherein the first light distribution pattern is formed to extend obliquely upward toward a lane mark (LM1) in front of the vehicle; and a second light distribution pattern (PR2) formed by the light reflected by the second area (Z2) of the reflective surface of the reflector, wherein the second light distribution pattern is formed to extend obliquely downward toward the lane mark and overlap with the first light distribution pattern in front of the vehicle.

IPC 8 full level
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CPC (source: EP US)
F21S 41/164 (2017.12 - EP); **F21S 41/336** (2017.12 - EP US); **F21W 2102/155** (2017.12 - EP)

Citation (applicant)
JP 2003059317 A 20030228 - KOITO MFG CO LTD

Cited by
CN107606579A; EP3173686A1; US9931977B2; US10443804B2; WO2017207354A1

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)
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