

Title (en)
Vehicle headlight

Title (de)
Fahrzeugscheinwerfer

Title (fr)
Phare de véhicule

Publication
EP 2051002 A3 20100602 (EN)

Application
EP 08018094 A 20081015

Priority
JP 2007273094 A 20071019

Abstract (en)
[origin: EP2051002A2] A vehicle headlight (10, 20) with a simple configuration is to be provided, which can suppress or prevent the generation of any glare light occurring due to the reflection by a second reflecting surface (13) provided near the lower area of a first reflecting surface (12). The vehicle headlight (10) can include: a light source (11); a first reflecting surface (12) disposed behind the light source (11) so as to reflect light (L1) from the light source (11) to an illumination direction, the first reflecting surface (12) having a focus (F) at or near the position of the light source (11) and a center axis (O) along the light illumination direction and being concave toward the illumination direction; and a second reflecting surface (13) extending at least adjacent to an edge of the first reflecting surface (12). In the vehicle headlight (10), part (12a) of the first reflecting surface (12) near the second reflecting surface (13) is disposed to serve as a third reflecting surface that has a different reflecting surface shape from that of the first reflecting surface (12) and that can reflect light (L2, L3) that is emitted from the light source (11) rearward and downward and directed near the second reflecting surface (13), in the illumination direction.

IPC 8 full level
F21S 8/10 (2006.01); **F21V 7/00** (2006.01); **F21W 101/10** (2006.01); **F21Y 101/00** (2016.01)

CPC (source: EP US)
F21S 41/164 (2017.12 - EP US); **F21S 41/321** (2017.12 - EP); **F21S 41/336** (2017.12 - EP); **F21S 41/337** (2017.12 - EP);
F21S 41/365 (2017.12 - EP US); **F21W 2102/20** (2017.12 - EP)

Citation (search report)

- [X] US 4682072 A 19870721 - ICHIHARA TAKEO [JP], et al
- [X] DE 3024040 A1 19810108 - CIBIE PROJECTEURS
- [X] DE 375649 C 19230516 - BOSCH ROBERT AG
- [X] US 3375363 A 19680326 - JOHANNES RIJNDERS, et al
- [X] GB 198744 A 19230604 - CHARLES BOWMAN MAYNARD
- [X] US 1464166 A 19230807 - BENJAMIN REUBEN B
- [X] EP 0253243 A1 19880120 - NEIMAN SA [FR]
- [X] DE 102005042996 A1 20060420 - KOITO MFG CO LTD [JP]

Cited by
CN103511945A; DE102012100245B4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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