

Title (en)
VEHICLE HEADLAMP

Title (de)
FAHRZEUGSCHEINWERFER

Title (fr)
PHARE POUR VÉHICULE

Publication
EP 2525141 A1 20121121 (EN)

Application
EP 11732839 A 20110106

Priority
• JP 2010003564 A 20100112
• JP 2011050116 W 20110106

Abstract (en)
A compact vehicle headlamp capable of obtaining a light distribution suitable for a front illumination of a vehicle is provided. A vehicle headlamp is provided with a cylindrical pyramid reflector 2 having a front opening 21 larger than a rear opening 22, an LED 1 mounted on the rear opening 22 of the reflector 2, and a projector lens 3 arranged to face the front opening 21 of the reflector 2. The reflector 2 includes upper, lower, left and right reflective surfaces 2r, 2d, 2l, 2r each of which has a parabola shape with a focal point on the LED 1. An emitting angle of a light emitted from the reflector 2 is set greater in a lateral direction than in a vertical direction. A front end edge of the lower reflective surface 2d is formed in a shape corresponding to a cut-off line of a low beam light distribution. A notch 23 is formed on the upper reflective surface 2u and extends rearward from a front end edge.

IPC 8 full level
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CPC (source: EP US)
F21S 41/143 (2017.12 - EP US); **F21S 41/323** (2017.12 - EP); **F21S 41/336** (2017.12 - EP); **F21S 41/43** (2017.12 - EP);
F21V 7/041 (2013.01 - EP US); **F21S 41/26** (2017.12 - EP); **F21V 7/06** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Cited by
EP3865765A1; EP3115682A1; EP3517830A1; FR3077365A1; US9903553B2

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