

Title (en)
Vehicle headlamp

Title (de)
Fahrzeugscheinwerfer

Title (fr)
Phare de véhicule

Publication
EP 2620694 A2 20130731 (EN)

Application
EP 13152286 A 20130123

Priority
JP 2012012225 A 20120124

Abstract (en)
A vehicle headlamp (1) includes: a light emitting module (15) including: a plurality of semiconductor light emitting elements (18) each configured to emit light and disposed to be separated from each other in a lateral direction of the vehicle headlamp; a plurality of reflectors (22) each provided for a corresponding one of the semiconductor elements to reflect light emitted from the corresponding semiconductor light emitting element, wherein one of the reflectors located at a center position in the lateral direction is defined as a central reflector (22A); and a projector lens (29) configured to project the light emitted from the light emitting module forward, wherein the light emitting module is disposed behind a focal plane of the projector lens. Each of the reflectors (22) other than the central reflector (22A) has an outer side (26) and an inner side (25) facing the outer side, wherein a distance between the inner side and the central reflector is smaller than a distance between the outer side and the central reflector in the lateral direction. In at least one of the reflectors (22), a first inclination angle (θ_o) of the outer side (26) with respect to an optical axis is smaller than a second inclination angle (θ_i) of the inner side (25) with respect to the optical axis.

IPC 8 full level
F21S 8/10 (2006.01)

CPC (source: EP US)
F21S 41/143 (2017.12 - EP US); **F21S 41/151** (2017.12 - EP US); **F21S 41/19** (2017.12 - EP); **F21S 41/192** (2017.12 - EP); **F21S 41/321** (2017.12 - EP); **F21S 41/33** (2017.12 - EP US); **F21S 41/663** (2017.12 - EP US); **F21S 45/435** (2017.12 - EP US)

Citation (applicant)
JP 2011192656 A 20110929 - STANLEY ELECTRIC CO LTD

Cited by
KR20150059393A; FR3038695A1; US2022205610A1; US11674658B2; WO2017211530A1

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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