

Title (en)
Motorcycle projector headlight

Title (de)
Projektionsschweinwerfer für Motorräder

Title (fr)
Phare de projecteur de motocyclette

Publication
EP 2366940 A2 20110921 (EN)

Application
EP 11001696 A 20110301

Priority
JP 2010044472 A 20100301

Abstract (en)
A motorcycle projector headlight for a low beam can include a light source, a shade, a first reflector, a second reflector, a projector lens and an optical lens. A part of light emitted from the light source can form a fundamental light distribution pattern from the projector lens via the first reflector by shielding an upward portion of the light with the shade. Another part of the light can form an overhead light distribution pattern including a right and left bank light distribution pattern from the optical lens via the second reflector. Therefore, the overhead light distribution pattern can illuminate a traffic sign, etc. The right left bank light distribution pattern can illuminate a right and left triangle dark zone between a horizontal line and the fundamental light distribution pattern when a motorcycle banks. Thus, the projector motorcycle headlight can perform a favorable light distribution pattern utilizing a simple structure.

IPC 8 full level
F21V 5/00 (2015.01); **F21S 8/12** (2006.01); **F21V 7/00** (2006.01); **F21W 107/17** (2018.01)

CPC (source: EP US)
F21S 41/255 (2017.12 - EP); **F21S 41/338** (2017.12 - EP US); **F21W 2102/18** (2017.12 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)
• JP 2008001306 A 20080110 - KOITO MFG CO LTD
• JP 2009199938 A 20090903 - STANLEY ELECTRIC CO LTD

Cited by
DE102013211878A1; US9810392B2; US11686448B1

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)
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EP 11001696 A 20110301; CN 201110048033 A 20110228; JP 2010044472 A 20100301