

Title (en)
VEHICLE HEADLAMP

Title (de)
FAHRZEUGSCHEINWERFER

Title (fr)
PHARE DE VÉHICULE

Publication
EP 3719390 A1 20201007 (EN)

Application
EP 20166021 A 20200326

Priority
JP 2019066118 A 20190329

Abstract (en)
A vehicle headlamp includes a light source, a reflector having a reflection surface for reflecting light from the light source. A light emitting surface of the light source has a rectangular shape, a reflection film constituting the reflection surface on a body member formed by a resin material is arranged in the reflector, and the reflection surface includes segments arranged alongside via a division line in a left and right direction in a vehicle mounted state. The light from the light source is reflected from the plurality of segments to form irradiation patterns having mutually different shapes in a front irradiation region in the vehicle mounted state, and a division line at one side of the first segment in the right and left direction to form the irradiation pattern including an oblique cutoff line among the segments is inclined regarding the up and down direction in the vehicle mounted state.

IPC 8 full level
F21S 41/148 (2018.01); **F21S 41/33** (2018.01); **F21W 102/155** (2018.01)

CPC (source: CN EP)
F21S 41/148 (2018.01 - EP); **F21S 41/33** (2018.01 - CN); **F21S 41/335** (2018.01 - EP); **F21S 41/337** (2018.01 - EP);
F21W 2102/13 (2018.01 - CN); **F21W 2102/155** (2018.01 - EP); **F21W 2107/10** (2018.01 - CN); **F21Y 2115/10** (2016.08 - CN);
F21Y 2115/15 (2016.08 - CN); **F21Y 2115/20** (2016.08 - CN)

Citation (applicant)
JP 2015149173 A 20150820 - KOITO MFG CO LTD

Citation (search report)
• [X] US 2017167683 A1 20170615 - MAKINO HIROYUKI [JP], et al
• [X] JP 2015099706 A 20150528 - ICHIKOH INDUSTRIES LTD
• [X] JP 2012059675 A 20120322 - STANLEY ELECTRIC CO LTD
• [A] FR 3022979 A1 20160101 - VALEO VISION [FR]
• [A] WO 2014080747 A1 20140530 - ICHIKOH INDUSTRIES LTD [JP]

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)
EP 3719390 A1 20201007; **EP 3719390 B1 20230104**; CN 111750329 A 20201009; CN 111750329 B 20240618; JP 2020167024 A 20201008;
JP 7302233 B2 20230704

DOCDB simple family (application)
EP 20166021 A 20200326; CN 202010224202 A 20200326; JP 2019066118 A 20190329