

Title (en)
VEHICLE LAMP

Title (de)
FAHRZEUGLAMPE

Title (fr)
LAMPE DE VÉHICULE

Publication
EP 2194311 A2 20100609 (EN)

Application
EP 09178030 A 20091204

Priority
JP 2008310656 A 20081205

Abstract (en)
A vehicle lamp (10, 50, 60) includes a light source unit (17) and a light control member (18, 31, 33, 36, 39, 52, 68). The light source unit (17) includes a semiconductor light emitting device (15), an electronic component (16) which controls the semiconductor light emitting device (15), and a bus bar assembly (14) having a plurality of bus bars (19, 20) to which the semiconductor light emitting device (15) and the electronic component (16) are mounted to form a circuit. The light control member (18, 31, 33, 36, 39, 52, 68) is arranged directly in front of the light source unit (17) to control a light emitted from the semiconductor light emitting device (15). The light control member (18, 31, 33, 36, 39, 52, 68) has a fixing means (27, 54) for fixing the bus bar assembly (14) to the light control member (18, 31, 33, 36, 39, 52, 68) such that the light source unit (17) is held by the light control member (18, 31, 33, 36, 39, 52, 68). A resin base for supporting the bus bars or a circuit board for mounting the electronic components is not necessary. Accordingly, the number of components of the vehicle lamp (10, 50, 60) can be reduced.

IPC 8 full level
F21V 5/00 (2006.01); **F21V 17/00** (2006.01); **F21V 19/00** (2006.01)

CPC (source: EP US)
F21S 41/143 (2017.12 - EP US); **F21S 41/151** (2017.12 - EP US); **F21S 41/28** (2017.12 - EP); **F21S 41/29** (2017.12 - EP); **F21S 43/14** (2017.12 - EP); **F21S 43/195** (2017.12 - EP); **F21S 43/26** (2017.12 - EP); **F21S 43/27** (2017.12 - EP); **F21V 17/04** (2013.01 - EP); **F21V 19/001** (2013.01 - EP); **F21V 23/04** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)
• JP H08339707 A 19961224 - KOITO MFG CO LTD
• JP 2008084578 A 20080410 - KOITO MFG CO LTD
• GB 2348324 A 20000927 - KOITO MFG CO LTD [JP]
• US 2002053878 A1 20020509 - NATSUME KAZUNORI [JP]

Cited by
CN103968314A; EP2778510A3; CN102679255A; EP2796319A3; FR3028596A1; FR2967235A1; EP2674664A3; FR3118121A1; EP2574503A1; FR2980420A1; US9997375B2; US9096163B2; US9695999B2; US9200787B2; EP3450834A1; WO2016075382A1; WO2011042195A1; WO2022136747A1; WO2012059852A1; US9464768B2; US10591124B2

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2194311 A2 20100609; EP 2194311 A3 20120509; EP 2194311 B1 20170426; JP 2010135198 A 20100617; JP 5349933 B2 20131120

DOCDB simple family (application)
EP 09178030 A 20091204; JP 2008310656 A 20081205