

Title (en)
Vehicle headlight

Title (de)
Fahrzeugscheinwerfer

Title (fr)
Phare de véhicule

Publication
EP 2546567 A2 20130116 (EN)

Application
EP 12172634 A 20120619

Priority
JP 2011153661 A 20110712

Abstract (en)
The vehicle headlight (1) includes a light source (13) including: a circuit board (14) whose surface is directed toward a front area of the vehicle headlight; a plurality of semiconductor light emitting elements (15) arranged in line on the surface of the circuit board; a first reflector (19) disposed on the surface of the circuit board and configured to reflect the light emitted from the semiconductor light emitting elements toward the front area to form a lower portion (H1) of a high beam pattern; and a second reflector (18) disposed on the surface of the circuit board and configured to reflect the light emitted from the semiconductor light emitting elements toward the front area to form an upper portion (H2) of the high beam pattern, wherein the semiconductor light emitting elements are disposed between the first reflector and the second reflector; and a projection lens (32) configured to project the light emitted from the semiconductor light emitting elements toward the front area; and a changing means configured to change the upper portion (H2) of the high beam pattern by controlling an incident state of the light which is incident on the second reflector.

IPC 8 full level
F21S 8/10 (2006.01); **F21S 8/12** (2006.01); **F21V 7/09** (2006.01); **F21V 14/04** (2006.01); **F21V 14/08** (2006.01); **F21W 101/10** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)
F21S 41/143 (2017.12 - EP US); **F21S 41/151** (2017.12 - EP US); **F21S 41/32** (2017.12 - EP US); **F21S 41/43** (2017.12 - EP); **F21S 41/675** (2017.12 - EP); **F21S 41/692** (2017.12 - EP US)

Citation (applicant)
JP 2008037240 A 20080221 - TOYOTA MOTOR CORP, et al

Cited by
DE102012224345A1; CN112902106A; CN114458999A; US9341335B2; US9951920B2; EP2586659B1

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 2546567 A2 20130116; **EP 2546567 A3 20140611**; **EP 2546567 B1 20181128**; CN 102878509 A 20130116; CN 102878509 B 20160803; JP 2013020831 A 20130131; JP 5883587 B2 20160315

DOCDB simple family (application)
EP 12172634 A 20120619; CN 201210238448 A 20120710; JP 2011153661 A 20110712