

Title (en)
Automotive vehicle headlight

Title (de)
Fahrzeugscheinwerfer

Title (fr)
Projecteur de véhicule automobile

Publication
EP 1715246 A1 20061025 (FR)

Application
EP 06290649 A 20060420

Priority
FR 0504092 A 20050422

Abstract (en)
The headlight has a reflector (2) with a refractor (6) placed in a pupillary plane of the reflector, where the refractor is a relevant portion of a convex lens (4). The lens having an optical axis comprises a focus (F) merged with another focus of the reflector. A contour (7) of the lens has a baric center (B) shifted to a preset distance with respect to an optical center (O) of the lens. Luminous rays (R2, R3`) crossing the portion are equal to a predetermined fraction of luminous rays (R1, R2, R3, R3`), where the rays come from a light source (S).

IPC 8 full level
F21V 5/00 (2006.01); **F21W 101/10** (2006.01); **F21W 107/10** (2018.01); **F21Y 101/00** (2016.01)

CPC (source: EP US)
F21S 41/26 (2017.12 - EP US); **F21S 41/62** (2017.12 - EP US); **F21S 41/43** (2017.12 - EP US)

Citation (applicant)
• EP 1243846 A1 20020925 - VALEO VISION [FR]
• EP 1491816 A1 20041229 - VALEO VISION [FR]
• US 6435703 B2 20020820 - TAKADA KENICHI [JP]
• FR 2620984 A1 19890331 - KOITO MFG CO LTD [JP]
• FR 721270 A 19320301

Citation (search report)
• [X] FR 2620984 A1 19890331 - KOITO MFG CO LTD [JP]
• [X] FR 721270 A 19320301
• [A] EP 1302719 A1 20030416 - HONDA MOTOR CO LTD [JP], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1715246 A1 20061025; EP 1715246 B1 20160323; ES 2575904 T3 20160704; FR 2884898 A1 20061027; FR 2884898 B1 20070831; JP 2006302903 A 20061102; US 2006250810 A1 20061109

DOCDB simple family (application)
EP 06290649 A 20060420; ES 06290649 T 20060420; FR 0504092 A 20050422; JP 2006118174 A 20060421; US 40868006 A 20060421