

Title (en)
Vehicle headlight

Title (de)
Fahrzeugscheinwerfer

Title (fr)
Phare de véhicule

Publication
EP 1286106 B1 20041201 (EN)

Application
EP 02014177 A 20020625

Priority
JP 2001245977 A 20010814

Abstract (en)
[origin: EP1286106A1] A vehicle headlight (1) has a light source (2), first and second ellipse group reflecting surfaces (3,6) having a focus (f1) corresponding to the light source (2), a first parabolic group reflecting surface (7) with a focus on a second focus (f3) of the second ellipse group reflecting surface (6), and a second parabolic group reflecting surface (8) with a focus corresponding to the position of the light source (2). The movable shutter (4) has a shutter part (4a) and a shade part (4b). When the shutter part (4a) is placed in the light flux of the first ellipse group reflecting surface (3), the shade part (4b) shades the light flux reaching from the light source (2) to the second parabolic group reflecting surface (8). On the other hand, when the shutter part (4a) is withdrawn from the light flux, the second parabolic group reflecting surface (8) is allowed to receive light. Thus, the low-beam distribution and the high-beam distribution can be improved in illumination. <IMAGE>

IPC 1-7
F21V 14/08; **F21V 7/00**; **F21S 8/12**

IPC 8 full level
F21V 7/00 (2006.01); **F21V 14/08** (2006.01)

CPC (source: EP US)
F21S 41/365 (2017.12 - EP US); **F21S 41/686** (2017.12 - EP US)

Cited by
GB2544772A; EP2154425A3; EP1895231A1; FR2886712A1; EP1731829A1; EP1538393A1; FR2863342A1; EP2189712A3; DE10252071B4; US7775696B2; EP2189712A2; US8104940B2

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