

Title (en)  
Projection type motor vehicle headlamp comprising an improved mirror

Title (de)  
Kfz-Scheinwerfer nach dem Projektionsprinzip mit verbessertem Reflektor

Title (fr)  
Projecteur du genre elliptique à miroir perfectionné pour véhicule automobile

Publication  
**EP 0750156 A3 19970528 (FR)**

Application  
**EP 96401351 A 19960620**

Priority  
FR 9507487 A 19950622

Abstract (en)  
[origin: EP0750156A2] The headlamp for a vehicle comprises a lamp (La) and an elliptical mirror (M). The mirror has a first focus (Fa) in the vicinity of the lamp source and a second focus (Fb) which is further forward w.r.t. to the lamp beam. The first and second focus points together define an optical axis (x). A converging lens (Le) is situated with its focal plane (PF) near to the second focus (Fb). The mirror extends axially in the direction of the lens, beyond a plane perpendicular to the optical axis and equidistant from the two foci. A shutter (E) is mounted inside the space enclosed by the mirror. This shutter extends from the lower front edge of the mirror (200) back up to a point near the second focus (Fb), preventing light leaving the headlamp assembly in a specific direction.

IPC 1-7  
**F21M 3/08**; **F21M 3/14**

IPC 8 full level  
**F21V 7/00** (2006.01); **F21V 11/16** (2006.01)

CPC (source: EP)  
**F21S 41/321** (2017.12); **F21S 41/43** (2017.12)

Citation (search report)

- [YD] DE 427143 C 19260327 - DUNCAN JAMES RITCHIE
- [Y] FR 2663406 A1 19911220 - KOITO MFG CO LTD [JP]
- [Y] EP 0212211 A2 19870304 - HELLA KG HUECK & CO [DE]

Cited by  
EP1286108A2

Designated contracting state (EPC)  
DE ES GB IT

DOCDB simple family (publication)  
**EP 0750156 A2 19961227**; **EP 0750156 A3 19970528**; **EP 0750156 B1 20030806**; DE 69629335 D1 20030911; DE 69629335 T2 20040624; ES 2205006 T3 20040501; FR 2735848 A1 19961227; FR 2735848 B1 19970822

DOCDB simple family (application)  
**EP 96401351 A 19960620**; DE 69629335 T 19960620; ES 96401351 T 19960620; FR 9507487 A 19950622