

Title (en)

Vehicle headlamp with ellipsoidal type light reflector.

Title (de)

Fahrzeugscheinwerfer mit einem ellipsoid-ähnlichen Reflektor.

Title (fr)

Projecteur du genre elliptique pour véhicule automobile.

Publication

EP 0628765 A1 19941214 (FR)

Application

EP 94400828 A 19940415

Priority

FR 9304449 A 19930415

Abstract (en)

In the headlamp, light reflected from an incandescent or arc source (10) at the nearer focus (FR) of the uniformly elliptical central reflector (21) converges at the outer focus (FS), located at the focal plane (PF) of the lens (40). The lamp front is closed by a plain glass (50). While the outer reflecting zones (22a,22b) also reflect convergently in vertical planes, horizontally reflected rays cross the optical axis (Ox) progressively further forward (h(y_c)) as the reflection point lies further out (y_c). The beam appears at the focal plane as a bright central spot with lateral extensions of approximately uniform height. To produce cut-off, a vertical mask (30), with a top edge not extending higher than the optical axis (Ox), is fixed at the focal plane (PF).

IPC 1-7

F21M 3/08

IPC 8 full level

F21V 7/00 (2006.01)

CPC (source: EP US)

F21S 41/32 (2017.12 - EP US); **F21S 41/334** (2017.12 - EP); **F21S 41/337** (2017.12 - EP US)

Citation (search report)

- [AD] EP 0254746 A1 19880203 - ICHIKOH INDUSTRIES LTD [JP]
- [AD] EP 0153485 A2 19850904 - WESTFAELISCHE METALL INDUSTRIE [DE]

Cited by

EP1388463A1; FR2843184A1; EP0923695B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

FR 2704044 A1 19941021; **FR 2704044 B1 19950713**; DE 69401164 D1 19970130; DE 69401164 T2 19970515; EP 0628765 A1 19941214; EP 0628765 B1 19961218

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