

Title (en)

Dipped-beam headlamp with an elliptical reflector.

Title (de)

Abgeblendeter Fahrzeugscheinwerfer mit einem ellipsoidförmigen Reflektor.

Title (fr)

Phare de croisement à réflecteur elliptique.

Publication

**EP 0212211 B1 19931110 (DE)**

Application

**EP 86109425 A 19860710**

Priority

DE 3529546 A 19850817

Abstract (en)

[origin: US4677532A] A screened vehicular headlight with an ellipsoidal reflector has a source of light positioned in the reflector's first focal area. The headlight has a collecting lens positioned in the path of the rays behind the second focal area and accommodated in a rectangular area of a holder. A screen that produces a light-dark border is positioned between the collecting lens and the reflector and in the focal area of the lens. A transparent cover over the collecting lens has margins extending radially beyond the lens. The holder that accommodates the collecting lens has, above the horizontal midplane of the headlight, an upper marginal section that is bent toward the inside of the headlight and lateral marginal sections that extend out at an acute angle to the optical axis and extend far enough into the headlight to screen off not only the light that leaves bulb and directly strikes the marginal areas of the lens cover that extend radially beyond the collecting lens but also the view into the headlight through the marginal areas of the lens cover.

IPC 1-7

**F21M 3/14**

IPC 8 full level

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CPC (source: EP US)

**F21S 41/168** (2017.12 - EP US); **F21S 41/321** (2017.12 - EP US); **F21S 41/43** (2017.12 - EP US); **F21S 41/50** (2017.12 - EP US)

Cited by

WO9913264A1; FR2735848A1; EP0750156A3; DE19738831A1; US6099157A; FR2663407A1; FR2622276A1; DE102004001486B4; FR2868511A1; FR2864933A1; FR2860060A1; DE102005014448B4; US6994460B2

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