

Title (en)

Elliptical-type headlight for road lighting with improved low photometry

Title (de)

Elliptischer Scheinwerfer für eine Strassenbeleuchtung mit verbesserter Niedrig-Photometrie

Title (fr)

Projecteur du genre elliptique notamment pour éclairage de route à photométrie basse améliorée

Publication

EP 1170547 B1 20071128 (FR)

Application

EP 01401648 A 20010621

Priority

FR 0008903 A 20000707

Abstract (en)

[origin: US2002003709A1] An elliptical projector for a motor vehicle comprises an ellipsoidal reflector co-operating with a light source mounted in a first focal region of the reflector, which forms, in a second focal region, a concentrated patch of light after reflection. The headlight also has a convergent lens which is focused in the vicinity of the second focal region so as to project this light patch on the road. The headlight further includes a mask in the path of the light between the light source and the lens. The mask is adapted to occult part of the light flowing between the reflector and the lens, and is disposed entirely above the second focal region of the reflector; the mask defines at least two occulting regions which are spaced apart in the direction of the optical axis; and each occulting region is arranged to mask a specific portion of the light. The invention is applicable, in particular, to the production of a main beam with a blurred, achromatic, cut-off at the bottom; this beam may be autonomous, or it may be complementary to a dipped or passing beam.

IPC 8 full level

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