

Title (en)
PROJECTOR, PARTICULARLY A VEHICLE HEADLAMP

Publication
EP 0075786 B1 19850410 (DE)

Application
EP 82108538 A 19820916

Priority
• DE 3138641 A 19810929
• DE 3139943 A 19811008

Abstract (en)
[origin: EP0075786A1] 1. Headlamp, in particular for motor vehicles, wherein - a rectangular reflector (101) has a paraboloid horizontal sector (102) and, with reference to the reflector axis (109) in the direction of use, an upper and lower sector (103, 104), - the three sectors (102, 103, 104) join plane surfaces (108) radial to the axis (109), - the focal points of the three sectors (102, 103, 104) are approximately identical, and - the focal lengths of the upper and lower sectors (103, 104) are identical but smaller than the focal length of the paraboloid horizontal sector (102), characterised in that - the upper and lower sectors (103, 104) are part of an encasing, the vertical section of which is a parabola and the horizontal section of which is an ellipse or a hyperbola, - the focal length of the parabola of the vertical section is smaller than the focal length of the paraboloid horizontal sector (102), and - curves of intersection which are produced by the intersection of planes perpendicular to the axis (109) with the upper and lower sectors are ellipse segments, the semi-axes of which are perpendicular to the axis (109), one semi-axis lying in the horizontal meridional intersecting plane (105).

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F21M 3/08

IPC 8 full level
F21V 7/00 (2006.01)

CPC (source: EP)
F21S 41/336 (2017.12)

Cited by
EP0151794A3; US4841423A; FR2602855A1; DE3932273A1; FR2637046A1; EP0125353B1

Designated contracting state (EPC)
DE FR GB IT

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