

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).

IPC 1-7  
**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

DOCDB simple family (publication)  
**EP 0075786 A1 19830406; EP 0075786 B1 19850410**; DE 3139943 A1 19830414; DE 3263003 D1 19850515

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