

Title (en)
HEADLIGHT, ESPECIALLY FOR VEHICLES

Publication
EP 0417672 A3 19910828 (DE)

Application
EP 90117327 A 19900908

Priority
DE 3930746 A 19890914

Abstract (en)
[origin: EP0417672A2] In a headlight, especially for motor vehicles, having a light source arranged at the focal point of a reflector, a reflector which is configured such that it illuminates a wide area and which is an approximate parabolic section below the optical axis in a vertical section through the optical axis, and a lens which is essentially optically non-corrective and covers the light exit of the reflector, it is the case that in order to provide a headlight which in conjunction with low overall volume permits a high light yield for a large width of the illuminated area, is simple and cost effective, and manages without a corrective lens, the light source is a transverse filament extending perpendicularly to the optical axis and situated horizontally, the reflector is, in a horizontal section through the optical axis, a first approximate elliptical section with a short spacing of the focal points, and above the optical axis the reflector is, in a vertical section through the optical axis, a second approximate elliptical section with a large spacing of the focal points. <IMAGE>

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F21M 3/08

IPC 8 full level
F21V 7/00 (2006.01)

CPC (source: EP US)
F21S 41/335 (2017.12 - EP US)

Citation (search report)
• [A] EP 0210406 A2 19870204 - BOSCH GMBH ROBERT [DE]
• [A] US 4495552 A 19850122 - GRAFF HENRY W [US]
• [A] GB 103334 A 19170122 - CORRELL PERCY EDWARD [AU]

Cited by
FR2771797A1; WO9928672A1

Designated contracting state (EPC)
AT DK ES FR GB IT SE

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EP 0417672 A2 19910320; EP 0417672 A3 19910828; EP 0417672 B1 19940105; AT E99789 T1 19940115; DE 3930746 A1 19910328; DE 3930746 C2 19920305; ES 2047787 T3 19940301; US 5117336 A 19920526

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