

Title (en)
MOTOR VEHICLE HEADLIGHT

Publication
EP 0232843 B1 19930811 (EN)

Application
EP 87101484 A 19870204

Priority
US 82652686 A 19860206

Abstract (en)

[origin: EP0232843A2] A motor vehicle headlight including a parabolic reflector (13), a cover (23) secured to the reflector and a lighting capsule (27) located within the reflector. The capsule includes an envelope (29) having a coiled filament (31) located therein and including a substantially cylindrical configuration. Optimum light output is attained by providing the reflector with a short focal length (0.2 inch to about 0.5 inch) and by utilization of a coiled filament structure having a length to diameter ratio of less than about 2:1. The result is a headlight having an overall vertical height of only about two inches and a corresponding frontal area of extremely small size (between 3.0 and 7.5 square inches).

[origin: EP0232843A2] The vehicle headlamp (10) has a concave Parabolic reflecting part (13) internally coated with a reflecting material (15) such as aluminium. A projecting neck portion (17) extends to the rear apex of the reflector and is closed by a wall (21) through which conductors (37) pass and are sealed. Mounted directly and electrically connected on the ends of the conductors (37) is a lighting capsule (27) with a coiled filament (31) having a length to diameter ratio of less than 2 to 1 and a length not exceeding 30 percent of the reflector focal length which is extremely short i.e. 0.2 to 0.5 inches. The headlamp is of rectangular configuration with a very small overall height of only 1.5 to 2.5 inches and a width of between 2 and 3 inches. The area of the forward rectangular face of the lamp housing is consequently only 3 to 7.5 square inches.

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F21M 3/02; F21M 3/10; H01K 1/14

IPC 8 full level
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Cited by
CN104075217A; KR100855401B1; WO0075957A1; WO0207188A1

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EP 0232843 A2 19870819; EP 0232843 A3 19890607; EP 0232843 B1 19930811; CA 1270036 A 19900605; CA 1270036 C 19900605; DE 3786931 D1 19930916; DE 3786931 T2 19940224; JP H0821370 B2 19960304; JP S62254355 A 19871106

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