

Title (en)

Motor vehicle headlight comprising a reflector with a complex surface including modified intermediary zones.

Title (de)

Scheinwerfer für ein Kraftfahrzeug, versehen mit einem komplexen Spiegel mit geänderten Zwischenzonen.

Title (fr)

Projecteur de véhicule automobile, comportant un réflecteur à surface complexe à zones intermédiaires modifiées.

Publication

EP 0373065 B1 19940126 (FR)

Application

EP 89403367 A 19891205

Priority

FR 8816061 A 19881207

Abstract (en)

[origin: EP0373065A1] The invention relates to a motor vehicle headlight, of the type comprising a filament lamp (100), a reflector (200) defining an optical axis and a sealing lens, the filament emitting freely all around it in a radial direction and the reflector exhibiting a substantially continuous and smooth reflecting surface which reflects the rays emitted by the filament in such a manner that they are for the most part situated below a cut constituted by two half planes of given heights and inclinations. According to the invention, the reflecting surface comprises a central zone (201i-206i) which reflects the rays emanating from the filament in order that they should propagate in planes which are substantially vertical and parallel to the optical axis, two intermediary zones (201m, 203m, 205m; 202m, 204m, 206m) situated on either side of the central zone and connected thereto with continuity, which reflect the rays emanating from the filament while imparting to them a substantial deflection in planes which are substantially parallel to the cut off half plane, in the definition of which the ray participates, and at least one marginal zone (201e, 203e, 205e; 202e, 204e, 206e) situated outside one of the intermediary zones and connected thereto with continuity, which reflects the rays emanating from the filament in order that they should propagate in planes which are substantially vertical and parallel to the optical axis.

IPC 1-7

F21M 3/08

IPC 8 full level

F21S 8/10 (2006.01); **F21V 7/00** (2006.01); **F21V 7/09** (2006.01)

CPC (source: EP US)

F21S 41/162 (2017.12 - EP US); **F21S 41/335** (2017.12 - EP US)

Cited by

EP2182270A3; FR2671851A1; US5192124A; EP2199659A1; FR2940402A1; DE19804960A1; DE19804960B4; EP2453167A1; US8201980B2; US8616741B2; US9506616B2; EP0703403A1; US8246227B2; EP2354645A1; EP2354647A2; EP2366941A2

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0373065 A1 19900613; **EP 0373065 B1 19940126**; DE 68912742 D1 19940310; DE 68912742 T2 19940511; ES 2050835 T3 19940601; FR 2639888 A1 19900608; FR 2639888 B1 19930813; JP 2819324 B2 19981030; JP H02270201 A 19901105; US 5086376 A 19920204

DOCDB simple family (application)

EP 89403367 A 19891205; DE 68912742 T 19891205; ES 89403367 T 19891205; FR 8816061 A 19881207; JP 31660189 A 19891207; US 44611789 A 19891205