

Title (en)
NON DAZZLING VEHICLE HEADLAMP

Publication
EP 0094519 B1 19861015 (DE)

Application
EP 83103844 A 19830420

Priority
DE 3218703 A 19820518

Abstract (en)
[origin: EP0094519A2] 1. Dipped vehicle headlight, with a dished reflector (1) whose internal reflector surface in the axial longitudinal sections forms in each case respective segments of ellipses whereof the vertices (S) and the associated focal points (F) are congruent, and whereof the eccentricity increases from the vertical axial longitudinal section to the horizontal axial longitudinal section, and with an anti-dazzle shield (2) which produces the light-dark boundary and which is situated in the vertical plane of the second focal point (F1) of the ellipse formed in the vertical axial longitudinal section of the reflector, and with a convex condensing lens (3) whose base (4) is rectangular and which is situated at the second focal point (F2) of the ellipse formed in the horizontal axial longitudinal section of the reflector (1), characterised in that the base (4) of the lens is an upended rectangle whose sides are in a ratio of $> 1.2:1$, and that laterally of the lens (3) there is arranged a prism disc (7, 8) which collects the light (10, 11) in the vertical plane issuing directly from the incandescent lamp and deflects it as a whole downwards, and in the horizontal plane deflects it towards the lens axis (X).

IPC 1-7
F21M 3/12

IPC 8 full level
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CPC (source: EP)
F21S 41/265 (2017.12); **F21S 41/28** (2017.12); **F21S 41/323** (2017.12)

Citation (examination)
DE 2446521 A1 19750410 - LUCAS ELECTRICAL CO LTD

Cited by
DE3729515A1; FR3008772A1; EP0208895A3; US9772082B2; EP0581048A1; EP0433840A1; EP0212211A3; WO2009137960A1

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