

Title (en)
Dipping headlamp for vehicles

Title (de)
Abblendlichtscheinwerfer für Kraftfahrzeuge

Title (fr)
Feu de croisement pour véhicules

Publication
EP 0558949 B1 19970108 (DE)

Application
EP 93101761 A 19930205

Priority
DE 4206881 A 19920305

Abstract (en)
[origin: EP0558949A2] The dipped-beam headlamp has a reflector (10) which is subdivided into an upper part (19) and a lower part (20) which touch one another in an axial plane (17) inclined at an angle of $\alpha/2$ to the horizontal. The transition between the two reflector parts (19, 20) is continuous in the second order. The two reflector parts (19, 20) have reflection surfaces in the form of general paraboloids, the latter containing identical parabolas in the tangent plane (17), but containing different parabolas in all the other axial sections. The result in sections through the reflector perpendicular to the optical axis (14) is ellipse-like curves of intersection (23) which have over their circumference a variable eccentricity with respect to the optical axis (14) of the reflector (10). In this case, the eccentricity in the region of the tangent plane (17) is approximately zero, and increases up to the axial plane (22) perpendicular to the tangent plane (17). This design of the reflector (10) reflects the light while forming a light/dark boundary having a section inclined at an angle of α . <IMAGE>

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F21M 3/08

IPC 8 full level
F21S 8/10 (2006.01); **F21V 7/00** (2006.01); **F21V 14/00** (2006.01); **F21V 17/00** (2006.01); **G02B 5/10** (2006.01)

CPC (source: EP US)
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Cited by
EP0773400A1; EP0709619A1; FR2740858A1; US5951156A

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EP 0558949 A2 19930908; EP 0558949 A3 19940302; EP 0558949 B1 19970108; DE 4206881 A1 19930909; DE 59305013 D1 19970220; JP 3565875 B2 20040915; JP H0628905 A 19940204; US 5461549 A 19951024

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