

Title (en)

Vehicle lighting device with an annular reflector, and relative improved reflector

Title (de)

Beleuchtungseinrichtung für Fahrzeuge mit einem ringförmigen Reflektor und entsprechender verbesserter Reflektor

Title (fr)

Dispositif d'illumination pour véhicules avec un réflecteur annulaire et réflecteur perfectionné correspondant

Publication

EP 1500872 B1 20070905 (EN)

Application

EP 04103552 A 20040723

Priority

IT TO20030583 A 20030725

Abstract (en)

[origin: EP1500872A2] A vehicle lighting device (1), typically a headlamp or signal lamp, including a casing (2); a light source (3) and a reflector (4) housed inside the casing; and a transparent cover (5) closing the casing and positioned opposite the light source. The reflector is defined by a ring (20) made of material pervious to light, and constituting an internal-reflection lens. And the ring is bounded by a front surface (21) facing the transparent cover and located inside the casing, on the opposite side to the light source; by an inner lateral surface (22), e.g. defining a geometrical figure of revolution having an axis of symmetry (A) defining an optical axis of the lighting device, along which the light source is located; and by an outer lateral surface (23) which is concentric with the inner lateral surface, defines with the inner lateral surface an interface bounding the internal-reflection lens defined by the ring, and includes at least one inclined surface (24) forming such an angle with the optical axis that the light rays inside the internal-reflection lens defined by the ring (20) are reflected totally onto the front surface (21). <IMAGE>

IPC 8 full level

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CPC (source: EP)

F21S 41/322 (2017.12); **F21V 7/0091** (2013.01)

Cited by

CN105691286A; EP1831601A4; US8404493B2; US7850342B2; WO2014204411A1

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