

Title (en)

Lighting device that can be constructed with reduced thickness, especially a headlamp or other external vehicle lamp

Title (de)

Beleuchtungsvorrichtung, die mit einer reduzierten Dicke herstellbar ist, insbesondere Scheinwerfer oder andere äussere Fahrzeuglampe

Title (fr)

Appareil d'éclairage qui peut-être construit avec une épaisseur réduite, notamment projecteur ou autre lampe extérieure pour véhicule

Publication

EP 0766037 A1 19970402 (EN)

Application

EP 96115489 A 19960926

Priority

IT TO950771 A 19950927

Abstract (en)

Lighting device (10), usable as a headlamp or other external vehicle lamp, whose thickness (space requirement in terms of depth) is much less than its other dimensions, comprising at least one light source (1), a modifier/extractor (13) and at least one reflector (3) for collimating a beam of light rays from the source towards the modifier/extractor (13), which latter is designed to control the divergence and intensity distribution of the beam and deflect it through a lens (6) arranged approximately parallel to the direction of propagation of the beam, in front of the modifier/extractor; the latter is a second reflector (13) with, directly facing the lens (6), an upper surface arranged obliquely to the direction (X) of propagation of the beam in such a way that the second reflector (13) is approximately wedge-shaped in cross section in the direction (X) of propagation of the beam, which upper surface is made up of a plurality of mutually adjacent reliefs (15), each of which has, in the direction of propagation of the beam, a sawtooth profile; the peaks (20) of the reliefs (15) all lying on a continuous curve (21) of defined shape, and for each relief (15) the oblique side (16) nearest the light source (12) lies at an individually defined angle relative to the direction (X) of propagation of the beam. <IMAGE> <IMAGE>

IPC 1-7

F21V 7/00; **F21Q 1/00**

IPC 8 full level

F21V 5/00 (2006.01); **F21V 7/00** (2006.01)

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Citation (search report)

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