

Title (en)

LIGHTING DEVICE FOR PRODUCING AT LEAST TWO LIGHT FUNCTIONS HAVING A STRIP-SHAPED OR LINE-SHAPED LIGHT APPEARANCE

Title (de)

BELEUCHTUNGSVORRICHTUNG ZUR ERZEUGUNG VON WENIGSTENS ZWEI LICHTFUNKTIONEN MIT EINEM STREIFEN- ODER LINIENARTIGEN LICHTERSCHEINUNGSBILD

Title (fr)

DISPOSITIF D'ÉCLAIRAGE PERMETTANT DE GÉNÉRER AU MOINS DEUX FONCTIONS D'ÉCLAIRAGE AYANT UN ASPECT LUMINEUX DE TYPE BANDE OU DE LIGNE

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Application

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Abstract (en)

[origin: WO2019158338A1] The invention relates to a lighting device for a motor vehicle for producing at least two light functions having a strip-shaped or line-shaped light appearance. At least two light-emitting diodes (5, 6) are provided, by means of which light (L) of different color can be emitted. At least one optically active component (8) is provided, which redirects or deflects the light (L) of the light-emitting diodes (5, 6) toward a cover lens. According to the invention, a first optically active component (8) is arranged downstream of the light-emitting diodes (5, 6) in the light emission direction, which first optically active component concentrates incident, divergent light beams (L) exclusively in the direction of a first longitudinal center plane (H) of the lighting device (1). This occurs in such a way that the light beams (L) hit a second optically active component (4) arranged downstream of the first optically active component (8). The second optically active component (4) concentrates incident, divergent light beams (L) at a first boundary surface (4a) thereof exclusively in the direction of a second longitudinal center plane (V) of the lighting device, which is perpendicular to the first longitudinal center plane (H). The light beams (L) are scattered again at a second boundary surface (4b) of the component (4). By means of the invention, a lighting device can be provided which provides a plurality of signal light functions having a strip-shaped or line-shaped light appearance, with extreme homogeneity.

IPC 8 full level

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