

Title (en)  
HOLOGRAPHIC LIGHTING DEVICE

Title (de)  
HOLOGRAPHISCHE BELEUCHTUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF D'ÉCLAIRAGE HOLOGRAPHIQUE

Publication  
**EP 4370364 A1 20240522 (DE)**

Application  
**EP 22744201 A 20220714**

Priority  
• DE 102021207574 A 20210715  
• EP 2022069794 W 20220714

Abstract (en)  
[origin: WO2023285619A1] The invention relates to a lighting device (1) for a vehicle (3) having at least one lighting channel (26) for generating a holographic light function assigned to this lighting channel (26) by lighting a holographic structure (15) of the lighting channel (26). Each channel has a lighting assembly and a coupling-in surface of a light guide body (23) disposed along a main beam direction of the lighting assembly. The lighting device also comprises a holographic structure (15) disposed on the coupling-out surface (13) of the light guide body (23). The coupling-out surface (13) is disposed in a beam path of the coupled-in light beams, so that lighting of the coupling-out surface (15) takes place at an angle which is greater than a critical angle of the total reflection. The invention also relates to a corresponding rear light for a vehicle (3) and to the vehicle (3) per se.

IPC 8 full level  
**B60K 35/00** (2024.01); **B60Q 1/26** (2006.01); **B62J 6/04** (2020.01); **F21S 43/20** (2018.01); **F21S 43/31** (2018.01); **F21V 8/00** (2006.01); **G02B 27/01** (2006.01); **F21W 107/17** (2018.01)

CPC (source: EP)  
**B60K 35/00** (2013.01); **B60Q 1/2607** (2013.01); **B62J 6/04** (2013.01); **F21S 43/26** (2024.05); **F21S 43/315** (2018.01); **G02B 5/0252** (2013.01); **G02B 19/0061** (2013.01); **B60K 2360/29** (2024.01); **F21S 43/241** (2018.01); **F21W 2107/17** (2018.01); **G03H 2223/16** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**DE 102021207574 A1 20230119**; CN 117813209 A 20240402; EP 4370364 A1 20240522; WO 2023285619 A1 20230119

DOCDB simple family (application)  
**DE 102021207574 A 20210715**; CN 202280055743 A 20220714; EP 2022069794 W 20220714; EP 22744201 A 20220714