

Title (en)

LIGHTING DEVICE FOR A VEHICLE STEERING WHEEL AND VEHICLE STEERING WHEEL

Title (de)

BELEUCHTUNGSVORRICHTUNG FÜR EIN FAHRZEUGLENKRAD UND FAHRZEUGLENKRAD

Title (fr)

DISPOSITIF LUMINEUX POUR UN VOLANT DE VÉHICULE ET VOLANT DE VÉHICULE

Publication

EP 4281327 A1 20231129 (FR)

Application

EP 22703293 A 20220119

Priority

- FR 2100537 A 20210120
- EP 2022051093 W 20220119

Abstract (en)

[origin: WO2022157177A1] A lighting device (100) for a vehicle steering wheel rim (10), comprising: • at least two light sources (120), • a light diffuser (130) comprising a collecting face (131) and a diffusion face (132) arranged so as to transmit light emitted by the light sources (120) to an occupant of the vehicle when the lighting device (100) is integrated in the rim (10), characterized in that the collecting face (131) comprises at least two protrusions (133) positioned with respect to the light sources (120) such that the light transmitted by the diffusion face (132) is uniform.

IPC 8 full level

B60Q 3/283 (2017.01); B60K 35/00 (2006.01); B60Q 3/60 (2017.01); B60Q 3/78 (2017.01); B62D 1/04 (2006.01); B62D 1/06 (2006.01)

CPC (source: EP US)

B60K 35/00 (2013.01 - EP US); B60K 35/60 (2024.01 - EP); B60K 37/20 (2024.01 - EP); B60Q 3/283 (2017.02 - EP US); B60Q 3/60 (2017.02 - EP); B60Q 3/62 (2017.02 - US); B60Q 3/78 (2017.02 - EP); B62D 1/046 (2013.01 - EP); B62D 1/06 (2013.01 - EP US); B60K 35/60 (2024.01 - US); B60K 2360/336 (2024.01 - EP US); B60K 2360/338 (2024.01 - EP); B60K 2360/339 (2024.01 - EP); B60K 2360/782 (2024.01 - EP US); B60Q 3/64 (2017.02 - EP)

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)

FR 3118921 A1 20220722; FR 3118921 B1 20230106; CN 116710324 A 20230905; EP 4281327 A1 20231129; JP 2024503384 A 20240125; US 2024067082 A1 20240229; WO 2022157177 A1 20220728

DOCDB simple family (application)

FR 2100537 A 20210120; CN 202280010090 A 20220119; EP 2022051093 W 20220119; EP 22703293 A 20220119; JP 2023541692 A 20220119; US 202218261422 A 20220119