

Title (en)
ILLUMINATION DEVICE FOR VEHICLES

Title (de)
BELEUCHTUNGSVORRICHTUNG FÜR FAHRZEUGE

Title (fr)
DISPOSITIF D'ÉCLAIRAGE POUR VÉHICULES

Publication
EP 4055321 B1 20230823 (DE)

Application
EP 20807673 A 20201029

Priority
• DE 102019129592 A 20191104
• EP 2020080420 W 20201029

Abstract (en)
[origin: WO2021089411A1] The invention relates to an illumination device for vehicles, having a housing (1) in which a light source (2) and an optical unit (3) for generating a specified light distribution are arranged, having a closure lid (9) which passes through an interior of the housing (1) into an environment, having means (10) for de-condensation and/or de-icing of the closure lid (9), characterized in that the closure lid (9) has a temperature-dependent light absorption means (10) by means of which light (8, 8') is converted to heat in dependence on temperature.

IPC 8 full level
F21S 45/60 (2018.01); **F21S 41/20** (2018.01)

CPC (source: EP US)
F21S 41/141 (2017.12 - US); **F21S 41/28** (2017.12 - EP); **F21S 41/285** (2017.12 - EP US); **F21S 45/60** (2017.12 - EP US)

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

DOCDB simple family (publication)
DE 102019129592 A1 20210506; EP 4055321 A1 20220914; EP 4055321 B1 20230823; EP 4055321 C0 20230823; US 11725797 B2 20230815; US 2022260230 A1 20220818; WO 2021089411 A1 20210514

DOCDB simple family (application)
DE 102019129592 A 20191104; EP 2020080420 W 20201029; EP 20807673 A 20201029; US 202217735192 A 20220503