

Title (en)
AUTOMOTIVE LIGHTING APPLIANCE

Title (de)
AUTOMOTIVE BELEUCHTUNGSVORRICHTUNG

Title (fr)
APPAREIL D'ÉCLAIRAGE D'AUTOMOBILE

Publication
EP 3839329 A1 20210623 (EN)

Application
EP 19219036 A 20191220

Priority
EP 19219036 A 20191220

Abstract (en)
An automotive lighting appliance (1) comprising at least one lighting assembly (4) that emits light on command and is arranged inside the rear body (2) so as to be able to selectively backlight a corresponding transparent or semi-transparent sector of the front half-shell (3); the lighting assembly (4) comprising: a radial emission optical fibre (6) having a predetermined length; an electrically-powered collimated light source (5) that is arranged inside the rear body (2), in front of a proximal end (6a) of the optical fibre (6), and is able to selectively direct, towards the same proximal end (6a), a collimated light beam that enters and travels inside the optical fibre (6); at least one proximal photometric sensor (10) which is arranged next to the collimated light source (5) to capture/detect the light reflected/scattered on entering the optical fibre (6); at least one distal photometric sensor (11) that is arranged in front of the distal end (6b) of the optical fibre (6) and is adapted to capture/detect the light coming out of the distal end (6b) of the optical fibre (6); and an electronic control unit (7) which is adapted to command the collimated light source (5) based on the signals coming from said proximal (10) and distal (11) photometric sensors.

IPC 8 full level
F21S 43/14 (2018.01); **F21S 43/237** (2018.01); **F21S 43/245** (2018.01); **F21S 45/70** (2018.01)

CPC (source: EP)
F21S 43/14 (2017.12); **F21S 43/237** (2017.12); **F21S 43/245** (2017.12); **F21S 45/70** (2017.12)

Citation (search report)
• [A] DE 102016210363 A1 20171214 - AUDI AG [DE]
• [A] DE 102011015161 A1 20120524 - SCHOTT AG [DE]
• [A] DE 102015205353 A1 20160929 - OSRAM GMBH [DE]

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

DOCDB simple family (publication)
EP 3839329 A1 20210623; **EP 3839329 B1 20221019**; ES 2932855 T3 20230127; PL 3839329 T3 20230320

DOCDB simple family (application)
EP 19219036 A 20191220; ES 19219036 T 20191220; PL 19219036 T 20191220