

Title (en)

AUTOMOTIVE LIGHTING AND/OR SIGNALING DEVICE WITH IMPROVED SCREEN DEVICE

Title (de)

BELEUCHTUNGS- UND/ODER SIGNALVORRICHTUNG FÜR KRAFTFAHRZEUGE MIT VERBESSERTER BILDSCHIRMVORRICHTUNG

Title (fr)

DISPOSITIF D'ÉCLAIRAGE ET/OU DE SIGNALISATION AUTOMOBILE À ÉCRAN AMÉLIORÉ

Publication

EP 4372270 A1 20240522 (EN)

Application

EP 22208610 A 20221121

Priority

EP 22208610 A 20221121

Abstract (en)

A lighting and/or signaling device (4) for vehicles comprising a container body (8) delimiting a containment seat (12) which accommodates at least one light source (16) adapted to emit a light beam comprising a plurality of light rays (20), at least one collimator device (28) contained in the container body (8) and configured to receive said light rays (20) emitted by said at least one light source (16) and to collimate them parallel to a main propagation direction (X-X), at least one screen device (24) of said collimated light rays (20), arranged to close the container body (8), extending from an inlet wall (32) facing the collimator device (28) to an outlet wall (36), wherein the outlet wall (36) has alternating screened portions (40) which are opaque to said light rays (20), and windows (44) which are transparent to said light rays (20). Said windows (44) are obtained on recesses (48) of the outlet wall (36), misaligned with respect to the screened portions (40) along said main propagation direction (X-X). The inlet wall (32) of the screen device (24) comprises at least one concentration means (52) of the light beam (incoupling) configured to direct and concentrate, in said windows (44), the collimated light rays (20) incident thereon. [Fig. 4]

IPC 8 full level

F21S 43/20 (2018.01); **F21S 41/20** (2018.01); **F21S 43/50** (2018.01)

CPC (source: EP)

F21S 41/28 (2024.05); **F21S 43/26** (2024.05); **F21S 43/50** (2018.01)

Citation (search report)

- [X] DE 9002447 U1 19900503
- [X] FR 2576565 A3 19860801 - COMIND SPA [IT]
- [X] EP 0635674 A1 19950125 - VALEO VISION [FR]
- [X] US 4241388 A 19801223 - GREEN STANLEY [GB]
- [A] WO 2019158890 A1 20190822 - AUTOMOTIVE LIGHTING REAR LAMPS FRANCE [FR]
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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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4372270 A1 20240522

DOCDB simple family (application)

EP 22208610 A 20221121