

Title (en)
Illumination device

Title (de)
Beleuchtungseinrichtung

Title (fr)
Dispositif d'éclairage

Publication
EP 2372234 A3 20170329 (DE)

Application
EP 11156551 A 20110302

Priority
DE 102010012747 A 20100325

Abstract (en)
[origin: EP2372234A2] The device (1) has light guiding elements (11) i.e. light ribs, comprising a light inlet surfaces (5) spaced from light emitting surfaces (6). The light guiding elements are spaced transverse to a main light guidance direction (8) from each other. An optical reflector (4) is arranged between a light source (2) i.e. LED, and the light inlet surfaces. The reflector reflects the light emitted by the light source to the light inlet surfaces such that the light is fed into the light inlet surfaces and discharged from the light inlet surfaces to the light exit surfaces in an optical path. The light source, reflector and the light guiding elements are arranged in a common planar circuit board.

IPC 8 full level
F21S 8/10 (2006.01); **F21V 7/04** (2006.01); **F21V 8/00** (2006.01); **F21W 101/14** (2006.01)

CPC (source: EP)
F21S 43/241 (2017.12); **F21S 43/243** (2017.12); **F21S 43/249** (2017.12); **F21S 43/31** (2017.12); **F21S 43/14** (2017.12)

Citation (search report)

- [XII] DE 102008037264 A1 20100218 - GM GLOBAL TECH OPERATIONS INC [US]
- [XAI] US 2003123262 A1 20030703 - SUEHIRO YOSHINOBU [JP], et al
- [XII] JP 2000133011 A 20000512 - ICHIKOH INDUSTRIES LTD
- [X] DE 10219756 A1 20040219 - HELLA KG HUECK & CO [DE]
- [E] EP 2357396 A2 20110817 - AUTOMOTIVE LIGHTING REUTLINGEN [DE]

Cited by
FR3048057A1; FR3099810A1; EP4321799A1; WO2016051490A1; US10066802B2; US10309602B2; US10875444B2; JPWO2016051490A1; DE102017114476A1; DE102017114476B4

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 2372234 A2 20111005; EP 2372234 A3 20170329; EP 2372234 B1 20210707; DE 102010012747 A1 20110929

DOCDB simple family (application)
EP 11156551 A 20110302; DE 102010012747 A 20100325