

Title (en)
AUTOMOTIVE LIGHT

Title (de)
KRAFTFAHRZEUGLICHT

Title (fr)
PHARE AUTOMOBILE

Publication
EP 4023935 A1 20220706 (EN)

Application
EP 20217954 A 20201231

Priority
EP 20217954 A 20201231

Abstract (en)
Automotive light (1), wherein the lighting assembly (4) comprises: a substantially basin-shaped reflector body (5), which is placed inside the rear body (2) and is internally provided with a reflecting surface (5a) shaped so as to reflect the incident light towards said transparent or semitransparent sector (3a) of the front half-shell (3); and at least one row of LEDs (6) that are arranged inside the rear body (2) close to the reflector body (5), and direct the light produced towards the reflecting surface (5a) of said reflector body (5); at least one light-guide plate (10) made of photoconductive material, which is arranged inside the rear body (2), beside the reflector body (5), with its rear sidewall (10b) on a side of the row of LEDs (6) so as to be illuminated by a minor part of the light emitted by said LEDs (6).

IPC 8 full level
F21S 41/151 (2018.01); **F21S 41/24** (2018.01); **F21S 41/30** (2018.01)

CPC (source: EP)
F21S 41/151 (2017.12); **F21S 41/24** (2017.12); **F21S 41/30** (2017.12)

Citation (applicant)
US 2008013333 A1 20080117 - KOIZUMI HIROYA [JP], et al

Citation (search report)
• [X] US 2014268848 A1 20140918 - TESSNOW THOMAS [US], et al
• [A] DE 112017006796 T5 20190926 - HASCO VISION TECH CO LTD [CN]
• [A] KR 20120062316 A 20120614 - SL CORP [KR]
• [A] EP 3531404 A1 20190828 - AUTOMOTIVE LIGHTING ITALIA SPA [IT]
• [A] EP 2921410 A1 20150923 - GOODRICH LIGHTING SYSTEMS GMBH [DE]
• [A] WO 2016009733 A1 20160121 - KOITO MFG CO LTD [JP]

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 4023935 A1 20220706

DOCDB simple family (application)
EP 20217954 A 20201231