Title (en)

MOTOR VEHICLE HEADLAMP LIGHT MODULE

Title (de)

KRAFTFAHRZEUGSCHEINWERFERLICHTMODUL

Title (fr)

MODULE DE PHARE DE VÉHICULE AUTOMOBILE

Publication

EP 3372890 B1 20210630 (DE)

Application

EP 18156868 A 20180215

Priority

DE 102017105027 A 20170309

Abstract (en)

[origin: US2018259147A1] A motor vehicle headlight module has a semiconductor light source and a projection lens, which generates a light distribution in which an edge of the semiconductor light source is projected as a light/dark boundary, wherein the projection lens has a first subsection that generates a first subsidiary light distribution, and a second subsection that generates a second subsidiary light distribution, which is superimposed on the first subsidiary light distribution. The projection lens has a third subsection, which generates a third subsidiary light distribution, which is delimited by the light/dark boundary, and which overlaps the first subsidiary light distribution and the second subsidiary light distribution, wherein the first subsidiary light distribution and the second subsidiary light distribution lie below the light/dark boundary generated by the third subsection.

IPC 8 full level

F21S 41/143 (2018.01); **F21S 41/265** (2018.01); **F21S 41/29** (2018.01)

CPC (source: CN EP US)

F21S 41/143 (2017.12 - EP US); **F21S 41/25** (2017.12 - CN US); **F21S 41/265** (2017.12 - EP US); **F21S 41/295** (2017.12 - EP US); **F21V 5/04** (2013.01 - CN); F21S 45/47 (2017.12 - US); F21W 2102/135 (2017.12 - CN); F21W 2102/19 (2017.12 - EP); F21W 2107/10 (2017.12 - CN)

Cited by

FR3086734A1; US11668446B2; WO2020064441A1; WO2023020794A1

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)

EP 3372890 A1 20180912; **EP 3372890 B1 20210630**; CN 108571702 A 20180925; CN 108571702 B 20220211; DE 102017105027 A1 20180913; US 10731816 B2 20200804; US 2018259147 A1 20180913

DOCDB simple family (application)

EP 18156868 A 20180215; CN 201810185103 A 20180307; DE 102017105027 A 20170309; US 201815915502 A 20180308