

Title (en)

Arrangement of overhead elements on a projection lens of a motor vehicle headlamp

Title (de)

Anordnung und Dimensionierung von Overhead-Elementen auf einer Projektionslinse eines Kraftfahrzeugscheinwerfers

Title (fr)

Agencement d'éléments de rétroprojection sur une lentille de projection d'un phare de véhicule automobile

Publication

**EP 2578929 B1 20200520 (DE)**

Application

**EP 12187226 A 20121004**

Priority

DE 102011114636 A 20111004

Abstract (en)

[origin: EP2578929A2] The overhead elements (34) of projection lens (26) are arranged to direct light to a temperature above the cut-off limit overhead area of light distribution of the projection headlight (10). The sub-areas of the interface are defined, and the overhead elements are arranged in the defined sub-areas, such that overhead lighting is simulated resulting from the simulated overhead elements. By the simulation of the defined overhead elements, the number and/or shape of the overhead elements is changed iteratively so that the simulated overhead lighting satisfies predetermined conditions. An independent claim is included for an automotive projection headlight.

IPC 8 full level

**F21S 41/255** (2018.01); **F21S 41/275** (2018.01)

CPC (source: EP)

**F21S 41/255** (2017.12); **F21S 41/275** (2017.12); **F21W 2102/18** (2017.12)

Cited by

EP3379143A1; EP3974709A1; EP3214364A1; FR3048485A1; DE102022109270A1; US10190741B2; WO2022063461A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2578929 A2 20130410**; **EP 2578929 A3 20150429**; **EP 2578929 B1 20200520**; DE 102011114636 A1 20130404

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