

Title (en)

LASER HEADLIGHT WITH A MOVABLE LIGHT-DEFLECTING ELEMENT

Title (de)

LASERSCHEINWERFER MIT EINEM BEWEGLICHEN LICHTUMLENKELEMENT

Title (fr)

PROJECTEUR LASER MUNI D'UN ÉLÉMENT DE DÉVIATION DE LA LUMIÈRE

Publication

**EP 3194839 A1 20170726 (DE)**

Application

**EP 15771872 A 20150917**

Priority

- DE 102014218955 A 20140919
- EP 2015071272 W 20150917

Abstract (en)

[origin: WO2016042052A1] The invention relates to a laser headlight with a laser light source, a luminescent material, and a light-deflecting device which illuminates different sub-regions of the luminescent material with laser light at different times, said light-deflecting device having a movable first light-deflecting element which directs incident laser light in different spatial directions at different times. The light-deflecting device deflects light oriented in a first spatial direction towards a first sub-region of the luminescent material in a first beam path and light oriented in a second spatial direction towards a second sub-region of the luminescent material in a second beam path. The headlight is characterized in that the headlight is designed to allow the light deflected towards the first sub-region and the light deflected towards the second sub-region to be incident as parallel as possible to each other.

IPC 8 full level

**F21S 8/10** (2006.01)

CPC (source: EP US)

**F21S 41/16** (2017.12 - EP US); **F21S 41/176** (2017.12 - EP US); **F21S 41/675** (2017.12 - EP US); **F21Y 2115/10** (2016.07 - EP US); **F21Y 2115/30** (2016.07 - EP)

Citation (search report)

See references of WO 2016042052A1

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)

**DE 102014218955 A1 20160324**; EP 3194839 A1 20170726; EP 3194839 B1 20220223; WO 2016042052 A1 20160324

DOCDB simple family (application)

**DE 102014218955 A 20140919**; EP 15771872 A 20150917; EP 2015071272 W 20150917