

Title (en)

PROJECTION DEVICE FOR A HEAD-UP DISPLAY, HEAD-UP DISPLAY, AND VEHICLE

Title (de)

PROJEKTIONSVORRICHTUNG FÜR EIN HEAD-UP-DISPLAY, HEAD-UP-DISPLAY SOWIE FAHRZEUG

Title (fr)

DISPOSITIF DE PROJECTION POUR AFFICHAGE TÊTE HAUTE, AFFICHAGE TÊTE HAUTE ET VÉHICULE

Publication

**EP 3417334 A1 20181226 (DE)**

Application

**EP 17705385 A 20170215**

Priority

- DE 102016202464 A 20160218
- EP 2017053347 W 20170215

Abstract (en)

[origin: WO2017140702A1] The invention relates to a projection device for a head-up display, comprising an imaging unit, which is designed to produce an image, and comprising a projection unit, which is designed to project the image produced by the imaging unit via a projection path onto a projection surface, wherein the projection device has a convex optical element arranged in the projection path, which is provided with a circular polarizer or is formed as a circular polarizer. The invention further relates to a head-up display having such a projection device and to a corresponding vehicle.

IPC 8 full level

**G02B 27/01** (2006.01)

CPC (source: EP US)

**B60K 35/00** (2013.01 - US); **B60K 35/654** (2024.01 - EP); **G02B 27/0101** (2013.01 - EP US); **B60K 35/654** (2024.01 - US); **B60K 2360/334** (2024.01 - EP US); **G02B 1/11** (2013.01 - US); **G02B 2027/012** (2013.01 - EP US)

Citation (search report)

See references of WO 2017140702A1

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)

**WO 2017140702 A1 20170824**; DE 102016202464 A1 20170824; EP 3417334 A1 20181226; US 10739588 B2 20200811; US 2018356634 A1 20181213

DOCDB simple family (application)

**EP 2017053347 W 20170215**; DE 102016202464 A 20160218; EP 17705385 A 20170215; US 201816104498 A 20180817