

Title (en)

DEVICE FOR PRODUCING A VIRTUAL IMAGE HAVING A FIELD-POINT-DEPENDENT APERTURE

Title (de)

GERÄT ZUM ERZEUGEN EINES VIRTUELLEN BILDES MIT FELDPUNKTABHÄNGIGER APERTUR

Title (fr)

APPAREIL PERMETTANT DE GÉNÉRER UNE IMAGE VIRTUELLE À OUVERTURE NUMÉRIQUE DÉPENDANT DU POINT DE CHAMP

Publication

EP 3807706 A1 20210421 (DE)

Application

EP 19731925 A 20190613

Priority

- DE 102018209650 A 20180615
- DE 102018213205 A 20180807
- EP 2019065584 W 20190613

Abstract (en)

[origin: WO2019238872A1] The invention relates to a device for generating a virtual image with scanning image generation. The device comprises at least one light source for producing a light beam, an image-producing unit (1) for producing an image, and an optical waveguide (5) for widening an exit pupil. The optical waveguide (5) has an in-coupling hologram. By means of the image-producing unit (1) in conjunction with the in-coupling hologram, a field-point-dependent aperture is realized for the optical waveguide (5).

IPC 8 full level

G02B 27/01 (2006.01); **F21V 8/00** (2006.01)

CPC (source: EP US)

B60K 35/00 (2013.01 - US); **G02B 6/0023** (2013.01 - US); **G02B 6/0076** (2013.01 - US); **G02B 27/0101** (2013.01 - EP US); **G02B 27/0103** (2013.01 - EP US); **B60K 35/23** (2024.01 - US); **G02B 6/0018** (2013.01 - EP); **G02B 6/0076** (2013.01 - EP); **G02B 26/101** (2013.01 - EP); **G02B 2027/0105** (2013.01 - EP US); **G02B 2027/0107** (2013.01 - EP); **G02B 2027/0123** (2013.01 - EP US)

Citation (search report)

See references of WO 2019238872A1

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 2019238872 A1 20191219; EP 3807706 A1 20210421; US 2021141222 A1 20210513

DOCDB simple family (application)

EP 2019065584 W 20190613; EP 19731925 A 20190613; US 202017122186 A 20201215