

Title (en)

OPTICAL ASSEMBLY AND HEAD-UP DISPLAY HAVNG A PLURALITY OF IMAGE PLANES

Title (de)

OPTISCHE ANORDNUNG UND HEAD-UP-DISPLAY MIT MEHREREN BILDEBENEN

Title (fr)

ENSEMBLE OPTIQUE ET AFFICHAGE TÊTE HAUTE COMPRENANT UNE PLURALITÉ DE PLANS D'IMAGE

Publication

**EP 4352554 A1 20240417 (DE)**

Application

**EP 22734306 A 20220621**

Priority

- DE 102021116146 A 20210622
- EP 2022066787 W 20220621

Abstract (en)

[origin: WO2022268751A1] Disclosed is an optical assembly (11) for a head-up display (10) on a projection surface (5), comprising an imaging device (22), which comprises at least one imaging unit (26, 27), and at least one wavefront manipulator (23) arranged in the beam path between the imaging device (22) and the projection surface (5). The optical assembly (11) is configured to generate virtual depictions (8, 18) in at least two different image planes, wherein the imaging device (22) has at least a first region (26, 28) and a second region (27, 29), wherein the imaging device (22) and the wavefront manipulator (23) are configured, in combination, to generate virtual depictions (8) in a first image plane out of images generated in the first region (26, 28) of the imaging device (22) and to generate virtual depictions (18) in a second image plane out of images generated in the second region (27, 29) of the imaging device (22).

IPC 8 full level

**G02B 5/32** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2022268751A1

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BA ME

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