



(11) **EP 4 254 049 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

(15) Correction information:
Corrected version no 2 (W2 A2)
Corrections, see
Bibliography
Remarks

(51) International Patent Classification (IPC):
G02B 27/01 (2006.01)

(52) Cooperative Patent Classification (CPC):
G02B 27/0172; G02B 2027/0118; G02B 2027/0138;
G02B 2027/014

(48) Corrigendum issued on:
13.12.2023 Bulletin 2023/50

(43) Date of publication:
04.10.2023 Bulletin 2023/40

(21) Application number: **23178117.0**

(22) Date of filing: **22.09.2015**

(84) Designated Contracting States:
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

(30) Priority: **22.09.2014 EP 14185727**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
15791789.9 / 3 198 329

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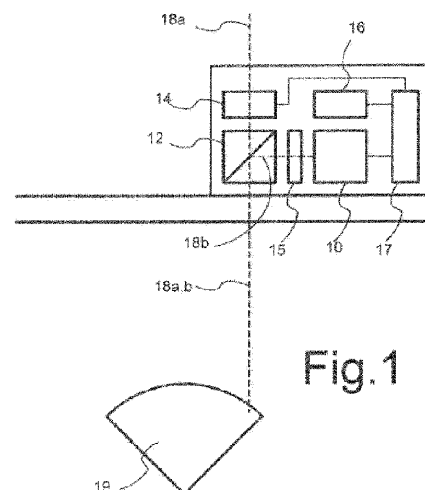
Remarks:

- This application was filed on 07-06-2023 as a divisional application to the application mentioned under INID code 62.
- Claims filed after the date of filing of the application / after the date of receipt of the divisional application (Rule 68(4) EPC).

(54) **HEAD MOUNTED DISPLAY**

(57) A head mounted display device comprises an optical combiner that combines light from a display and light from an environment into light transmitted towards a user's eye. A controllable optical element located in the light path from the environment, optically between the environment and the optical combiner, for passing light from the environment switchable between filtering and not filtering by optical blurring or diffusion. The device comprises a camera directed at the environment. A control circuit uses image data from the camera to compute a measure of contrast and/or a measure of luminance in a measurement region within an image or images captured by the camera and applies a control signal to the control input dependent on the measure of contrast and/or the measure of luminance. This is used to create or increase the filtering effect of controllable optical element with an increase of the measure of contrast and/or

the measure of luminance.



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