

Title (en)
INTELLIGENT HEAD-UP DISPLAY

Title (de)
INTELLIGENTES HEAD-UP-DISPLAY

Title (fr)
AFFICHEUR TÊTE HAUTE INTELLIGENT

Publication
EP 4178822 A1 20230517 (DE)

Application
EP 21745354 A 20210721

Priority

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- EP 2021070373 W 20210721

Abstract (en)
[origin: WO2022028892A1] The invention relates to a device (10) for displaying information (24) for an occupant (30) of a motor vehicle (28) and to a corresponding system (18), method and computer program. The disclosed teaching may in particular be used to achieve the following: The display position of a head-up display is able to be varied flexibly depending on the context. To this end, both a displacement of the X and/or Y position and a colour selection adapted to the background may be implemented and be performed automatically. Information from the steering angle, speed, map data and also head tracking by the interior camera (34) may be combined to determine the X and/or Y position. In order to achieve optimum visibility for any load case, sensor fusion from the position data (32) and an exterior camera (36) may in particular take place: Content or information (24) may thus be displayed depending on the current display position, so as to be more visible. If only some of the information (24) or part of the information symbol (42, 44) is on a background, only some of the colour may also change, such that visibility is ensured for the entire information symbol (42, 44). In addition, using visual warning colours and simultaneously displacing the display in the direction of a source of a hazard (46) makes it possible to divert the gaze of the driver (30) towards the hazardous situation.

IPC 8 full level
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