

Title (en)

METHOD FOR GENERATING AND DISPLAYING A VIRTUAL OBJECT BY AN OPTICAL SYSTEM

Title (de)

VERFAHREN ZUM ERZEUGEN UND ANZEIGEN EINES VIRTUELLEN OBJEKTES DURCH EIN OPTISCHES SYSTEM

Title (fr)

PROCÉDÉ DE GÉNÉRATION ET D'AFFICHAGE D'UN OBJET VIRTUEL PAR UN SYSTÈME OPTIQUE

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Application

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Abstract (en)

[origin: WO2020127732A1] The invention relates to a method for generating and displaying a virtual object (16) to an individual user by an optical system (1) consisting of gaze-tracking glasses (2) and at least one display unit (3) connected to the gaze-tracking glasses (2), the display unit (3) having a first display (4), the gaze-tracking glasses (2) having a first eye-tracking camera (5), the first display (4) being arranged in a first viewing region (7) of the gaze-tracking glasses (2). According to the invention, the optical system (1) is adapted to an individual user, a first target value for adaptation of a display control unit (8) of the display unit (3) for controlling the first display (4) being determined, a current viewing direction of the first eye (6) being determined by the gaze-tracking glasses (2), a virtual object (16) being generated and, taking account of the first target value, the virtual object (16) being displayed in the first display (4) at a position in the determined viewing direction of the first eye (6).

IPC 8 full level

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