Title (en)

GLASS PANE FOR A VEHICLE, PANE/SENSOR UNIT AND VEHICLE

Title (de)

GLASSCHEIBE FÜR EIN FAHRZEUG, SCHEIBEN-SENSOR-EINHEIT UND FAHRZEUG

Title (fr)

VITRE POUR UN VÉHICULE, UNITÉ DE CAPTEUR DE VITRE ET VÉHICULE

Publication

EP 3969275 A1 20220323 (DE)

Application

EP 20725132 A 20200506

Priority

- DE 102019112454 A 20190513
- EP 2020062570 W 20200506

Abstract (en)

[origin: WO2020229260A1] The glass pane according to the invention for a vehicle has at least one camera field of view (1) or sensor field of view (1). The camera field of view (1) or sensor field of view (1) may be designed for one or more cameras and/or one or more sensors. According to the invention, the glass pane is at least partially printed on two printing sides in the immediate vicinity of the area where the camera field of view (1) and/or sensor field of view (1) passes through. According to the invention, at least one pane layer lies between the two sides on which the glass pane is printed. The pane layer may in this case be one or more glass panes or else, in the case of a laminated safety glass pane, the connecting film. It has advantageously been found that, by means of the printing according to the invention of two printing sides of a glass pane in the camera field of view or sensor field of view in the immediate proximity of a specific region, the refractive index of the region can be set. This provides a low-cost possible way of ensuring the function of the latest multifunctional cameras through a safety glass pane. The specific configuration of the print, and also the selection of the printed pattern and its density and the distances with respect to the area where the camera field of view and/or sensor field of view passes through, must be determined individually for each pane/camera arrangement. The reason for this is that many factors influence the optical properties of a glass pane, including the curvature of the pane and the process by which it is produced.

IPC 8 full level

B32B 17/10 (2006.01); **B41M 1/34** (2006.01); **B60R 1/04** (2006.01)

CPC (source: EP)

B32B 17/10036 (2013.01); **B32B 17/10348** (2013.01); **B60R 11/04** (2013.01); B60R 2011/0026 (2013.01)

Citation (search report)

See references of WO 2020229260A1

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)

DE 102019112454 A1 20201119; CN 113840728 A 20211224; EP 3969275 A1 20220323; WO 2020229260 A1 20201119

DOCDB simple family (application)

DE 102019112454 A 20190513; CN 202080035835 A 20200506; EP 2020062570 W 20200506; EP 20725132 A 20200506