

Title (en)

LAMINATED GLASS PANEL INTENDED TO BE USED AS THE SCREEN OF A HEAD-UP DISPLAY SYSTEM

Title (de)

VERBUNDGLASSSCHEIBE ZUR VERWENDUNG ALS SCHIRM EINES BLICKFELDDANZEIGESYSTEMS

Title (fr)

VITRAGE FEUILLETÉ DESTINÉ À ÊTRE UTILISÉ COMME ÉCRAN DE SYSTÈME DE VISUALISATION TÊTE HAUTE

Publication

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Application

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Abstract (en)

[origin: WO2015079158A1] The invention relates to a laminated glass panel intended to be used as the screen of a head-up display system, including: two glass sheets (1, 2), and a viscoelastic plastic insert (3) arranged between the two glass sheets (1, 2). The insert includes at least one layer (3) made of a viscoelastic-plastic having vibroacoustic damping properties, and has a transverse cross-section that decreases in the form of a wedge from the top to the bottom of the laminated glass panel, in which the insert is such that the resonance frequency  $f$  of the second resonance mode of a laminated glass panel bar, said glass panel having a 25 mm x 300 mm surface area and consisting of two glass sheets that each have a thickness of 2.1 mm and between which the insert is incorporated, which is determined by measuring the mechanical impedance (MIM) at 20 °C according to ISO standard 16940, is 760 Hz to 100 Hz; and the loss factor  $\eta_2$  of the second resonance mode of the same bar, which is determined by MIM under the same conditions, is no lower than 0.25. The invention makes it possible to impart the vibroacoustic damping properties to a laminated glass panel intended to be used as the screen of a head-up display system and makes it possible to decrease the thickness of the glass sheets without damaging the vibroacoustic damping properties.

IPC 8 full level

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