

Title (en)  
COMPOSITE PANE FOR A HOLOGRAPHIC HEAD-UP DISPLAY

Title (de)  
VERBUNDSCHIEBE FÜR EIN HOLOGRAPHISCHES HEAD-UP-DISPLAY

Title (fr)  
VITRE COMPOSITE POUR UN AFFICHAGE TÊTE HAUTE HOLOGRAPHIQUE

Publication  
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Application  
**EP 21724678 A 20210510**

Priority

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Abstract (en)  
[origin: WO2021233713A1] The present invention relates to a composite pane (100) comprising at least: an outer pane (1) having an outer surface (I) and an inner surface (II); a first thermoplastic intermediate layer (3); a hologram element (4) comprising a first set of holograms produced in one or more layers of a holographic material, the first set of holograms comprising a blue hologram which can be activated by blue light having a wavelength in a first range and is not responsive to light of other wavelengths, a green hologram which can be activated by green light having a wavelength in a second range and is not responsive to light of other wavelengths, and a red hologram which can be activated by red light having a wavelength in a third range and is not responsive to light of other wavelengths; an inner pane (2) having an outer surface (III) and an inner surface (IV); and a colour-selective optical filter (6) for selectively absorbing light having a wavelength in the first range, light having a wavelength in the second range, and light having a wavelength in the third range. The hologram element (4) is located between the outer pane (1) and the inner pane (2), the first thermoplastic layer (3) is located between the outer pane (1) and the hologram element (4) or between the hologram element (4) and the inner pane (2), and the colour-selective optical filter (6) is located in front of the hologram element (4) as seen from the outside.

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