

Title (en)
COMPOSITE PANE WITH AN INTEGRATED LIGHT SENSOR AND HOLOGRAPHIC OPTICAL ELEMENT

Title (de)
VERBUNDSCHIEBE MIT INTEGRIERTEM LICHTSENSOR UND HOLOGRAPHISCH-OPTISCHEM ELEMENT

Title (fr)
VITRE FEUILLETÉE À CAPTEUR DE LUMINOSITÉ INTÉGRÉ ET À ÉLÉMENT OPTIQUE HOLOGRAPHIQUE

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Abstract (en)
[origin: WO2020169339A1] The present invention relates to a composite pane (100) and in particular to a composite vehicle pane (100) with an integrated light sensor (4), comprising: - an outer pane (1) and an inner pane (2), interconnected by at least one thermoplastic intermediate layer (3), and - at least one light sensor (4) having at least one light-sensitive surface (4.1), which sensor is situated between the outer pane (1) and the inner pane (2), wherein - the light-sensitive surface (4.1) faces the outer pane (1) and - a holographic optical element (11) is situated between the light-sensitive surface (4.1) and the outer pane (1), and - the holographic optical element (11) is designed as a hologram for incident-angle-dependent diffraction of the incident light (L, R).

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