

Title (en)

METHOD FOR PRODUCING A COMPOSITE PANE COMPRISING A FUNCTIONAL ELEMENT HAVING ELECTRICALLY CONTROLLABLE OPTICAL PROPERTIES

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER VERBUNDSCHIEBE MIT FUNKTIONSELEMENT MIT ELEKTRISCH STEUERBAREN OPTISCHEN EIGENSCHAFTEN

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE VITRE FEUILLETÉE COMPRENANT UN ÉLÉMENT FONCTIONNEL DOTÉ DE PROPRIÉTÉS OPTIQUES POUVANT ÊTRE COMMANDÉES ÉLECTRIQUEMENT

Publication

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Application

**EP 19732041 A 20190624**

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Abstract (en)

[origin: WO2020020549A1] The invention relates to a method for producing a composite pane (100) comprising a functional element (5) having electrically controllable optical properties, wherein at least a) a first pre-composite (3) consisting of a first thermoplastic composite film (3a) and a first barrier film (3b) as well as a second pre-composite (4) consisting of a second thermoplastic composite film (4a) and a second barrier film (4b) are provided, and the pre-composites (3, 4) are cut substantially to the dimensions of the composite pane (100) to be produced, b) the barrier films (3b, 4b) are peripherally trimmed (7), c) a first pane (1), the first pre-composite (3), a functional element (5), the second pre-composite (4) and a second pane (2) are arranged one above the other in this order, wherein the barrier films (3b, 4b) are arranged in a planar manner directly adjacent to the functional element (5), enclose the peripheral edge (8) of the functional element (5), and at least sections of which touch one another in a planar manner in a projection u projecting beyond the functional element (5), d) the stack of layers consisting of, in this order, a first pane (1), a first thermoplastic composite film (3a), a first barrier film (3b), a functional element (5), a second barrier film (4b), a second thermoplastic composite film (4a), and a second pane (2) is joined by autoclaving to form a composite pane (100).

IPC 8 full level

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Citation (search report)

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