

Title (en)
METHOD FOR PRODUCING A COMPOSITE PANE COMPRISING A FUNCTIONAL ELEMENT HAVING ELECTRICALLY CONTROLLABLE OPTICAL PROPERTIES

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER VERBUNDSCHEIBE 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
EP 3826836 A1 20210602 (DE)

Application
EP 19732041 A 20190624

Priority
• EP 18185178 A 20180724
• EP 2019066629 W 20190624

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
B32B 17/10 (2006.01)

CPC (source: EP US)
B32B 17/10036 (2013.01 - EP US); **B32B 17/10183** (2013.01 - EP); **B32B 17/10192** (2013.01 - EP); **B32B 17/10293** (2013.01 - EP US); **B32B 17/10504** (2013.01 - EP); **B32B 17/10761** (2013.01 - EP); **B32B 17/10807** (2013.01 - US); **B32B 17/10871** (2013.01 - US); **B32B 17/1088** (2013.01 - EP); **G02F 1/1334** (2013.01 - EP); **B32B 17/10504** (2013.01 - US); **B32B 17/1088** (2013.01 - US); **B32B 38/10** (2013.01 - US); **B32B 2307/202** (2013.01 - US); **B32B 2369/00** (2013.01 - US); **B32B 2605/006** (2013.01 - US)

Citation (search report)
See references of WO 2020020549A1

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)
WO 2020020549 A1 20200130; CN 110944837 A 20200331; EP 3826836 A1 20210602; US 2021008843 A1 20210114

DOCDB simple family (application)
EP 2019066629 W 20190624; CN 201980002523 A 20190624; EP 19732041 A 20190624; US 201916980171 A 20190624