

Title (en)  
LAMINATED PANE WITH FUNCTIONAL ELEMENT WHICH CAN BE SWITCHED IN SEGMENTS AND HAS ELECTRICALLY CONTROLLABLE OPTICAL PROPERTIES

Title (de)  
VERBUNDSCHIEBE MIT SEGMENTARTIG SCHALTbareM FUNKTIONSELEMENT MIT ELEKTRISCH STEUERbaren OPTISCHEN EIGENSCHAFTEN

Title (fr)  
VITRE STRATIFIÉE DOTÉE D'UN ÉLÉMENT FONCTIONNEL POUVANT ÊTRE COMMUTÉ EN SEGMENTS ET PRÉSENTANT DES PROPRIÉTÉS OPTIQUES POUVANT ÊTRE COMMANDÉES ÉLECTRIQUEMENT

Publication  
**EP 4188700 A1 20230607 (DE)**

Application  
**EP 21752010 A 20210726**

Priority  
• EP 20189165 A 20200803  
• EP 2021070783 W 20210726

Abstract (en)  
[origin: WO2022028931A1] The invention relates to a laminated pane with an electrically controllable functional element which can be switched in segments, at least comprising a first ply (1) and a second ply (2) which are connected together via an intermediate layer (3,) and comprising a functional element (5) which is integrated into the intermediate layer (3), wherein - the functional element (5) comprises at least a first carrier film (14), a first plate electrode (12), an active layer (11), a second plate electrode (13) and a second carrier film (15) which are arranged flatly on top of each other and in the mentioned order, - the first plate electrode (12) is divided into multiple segments (17) by means of at least one separating line (16), - electrical contact is established between a group of first busbars (18) and the first plate electrode (12), - electrical contact is established between at least one second busbar (19) and the second plate electrode (13), and in the region of at least one separating line (16) at least one recess (20) is made into the first plate electrode (12) and surrounds at least a portion of the first plate electrode (12) and electrically insulates the portion located within the recess (20) from the surface region of the first plate electrode (12) located outside the recess (20).

IPC 8 full level  
**B32B 17/10** (2006.01)

CPC (source: EP US)  
**B32B 3/266** (2013.01 - US); **B32B 17/10036** (2013.01 - EP US); **B32B 17/10192** (2013.01 - EP US); **B32B 17/10504** (2013.01 - EP US); **B32B 17/10761** (2013.01 - US); **B32B 17/10807** (2013.01 - US); **B32B 2307/202** (2013.01 - US); **B32B 2307/206** (2013.01 - US); **B32B 2307/7376** (2023.05 - US); **B32B 2419/00** (2013.01 - US); **B32B 2605/006** (2013.01 - US)

Citation (search report)  
See references of WO 2022028931A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022028931 A1 20220210**; CN 114302806 A 20220408; EP 4188700 A1 20230607; US 2023339215 A1 20231026

DOCDB simple family (application)  
**EP 2021070783 W 20210726**; CN 202180003287 A 20210726; EP 21752010 A 20210726; US 202118005002 A 20210726