Title (en)

INSULATED GLAZING UNIT HAVING AN ELECTRICALLY CONDUCTIVE COATING AND/OR AN ELECTRICALLY CONTROLLABLE FUNCTIONAL ELEMENT

Title (de)

ISOLIERVERGLASUNG MIT ELEKTRISCH LEITFÄHIGER BESCHICHTUNG UND/ODER ELEKTRISCH STEUERBAREM FUNKTIONSELEMENT

Title (fr)

UNITÉ DE VITRAGE ISOLANT DOTÉ D'UN REVÊTEMENT ÉLECTROCONDUCTEUR ET/OU D'UN ÉLÉMENT FONCTIONNEL À COMMANDE ÉLECTRIQUE

Publication

**EP 4217576 A1 20230802 (DE)**

Application

**EP 21770204 A 20210901**

Priority

- EP 20197977 A 20200924
- EP 2021074108 W 20210901

Abstract (en)

[origin: WO2022063535A1] The present invention relates to an insulated glazing unit (10), comprising at least two panes (6, 8) and at least one spacer (9), which has two pane contact surfaces (9.1, 9.2), which run parallel to each other, wherein a first pane contact surface (9.1) is connected to a first pane (6) by a sealing means and a second pane contact surface (9.2) is connected to the second pane (8) by a sealing means, such that a glazing interior space (11) and a glazing exterior space (13) are formed, and wherein at least one pane (6, 8) is at least partly provided, on the side facing the glazing interior space (11), with an electrically conductive coating and/or with an electrically controllable functional element (5), and two bus bars (7.1, 7.2) are provided for electrically contacting the electrically conductive coating and/or the electrically controllable functional element (5), characterized in that a bus bar (7.1, 7.2) comprises an electrically conductive adhesive tape (1), the electrically conductive adhesive tape (1) comprising an electrically conductive adhesion layer (2), a conducting track (4) and an opaque, electrically insulating cover (3), and the electrically conductive adhesive tape (1) being connected to the electrically conductive coating and/or to the electrically controllable functional element (5) by means of the electrically conductive adhesion layer (2).

IPC 8 full level

**E06B 3/66** (2006.01); **E06B 3/67** (2006.01); **E06B 9/24** (2006.01); **G02F 1/15** (2019.01)

CPC (source: EP US)

**C09J 7/29** (2017.12 - US); **C09J 9/02** (2013.01 - US); **E06B 3/66** (2013.01 - EP); **E06B 3/6722** (2013.01 - EP US); **E06B 9/24** (2013.01 - EP US); **G02F 1/15** (2013.01 - EP); **G02F 1/1533** (2013.01 - US); **G02F 1/155** (2013.01 - EP); **H01B 1/22** (2013.01 - US); C09J 2203/326 (2013.01 - US); C09J 2467/006 (2013.01 - US); E06B 3/66352 (2013.01 - US); E06B 2009/2464 (2013.01 - EP US); G02F 2202/16 (2013.01 - US); G02F 2202/28 (2013.01 - US)

Citation (search report)

See references of WO 2022063535A1

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 2022063535 A1 20220331**; CN 116234970 A 20230606; EP 4217576 A1 20230802; JP 2023537984 A 20230906; TW 202214435 A 20220416; US 2023333433 A1 20231019

DOCDB simple family (application)

**EP 2021074108 W 20210901**; CN 202180065181 A 20210901; EP 21770204 A 20210901; JP 2023509785 A 20210901; TW 110130302 A 20210817; US 202118042392 A 20210901