

Title (en)

Electrically heatable glass pane, method for production of same and window

Title (de)

Elektrisch beheizbare Glasscheibe, Verfahren zu deren Herstellung sowie Fenster

Title (fr)

Plaque de verre pouvant être chauffée électriquement, son procédé de fabrication et fenêtre

Publication

EP 2278851 A1 20110126 (DE)

Application

EP 09009630 A 20090724

Priority

EP 09009630 A 20090724

Abstract (en)

The panel (10) has an electrically conductive coating (5) applied to a side of the panel, and a porous contact partially brought on the electrically conductive coating and formed as a spray-coating. The contact exhibits total thickness of 0.05 to 0.3 mm, and is formed from a material selected from tin, zinc, silver, palladium, aluminum, tungsten, rhenium, tungsten-rhenium, molybdenum, molybdenum-rhenium, or rhodium. The electrically conductive coating is formed from indium tin oxide, tin oxide, zinc oxide, or cadmium stannate. The contact is attached in the form of a contact strip or busbar. Independent claims are also included for the following: (1) a window comprising an intermediate space filled with inert gas (2) a method for electrically contacting an electrically heatable glass panel.

Abstract (de)

Die vorliegende Erfindung betrifft eine elektrisch beheizbare Glasscheibe (10), umfassend mindestens eine auf mindestens einer Seite der Glasscheibe aufgebrachte elektrisch leitfähige Beschichtung sowie mindestens eine zumindest bereichsweise auf der Beschichtung aufgebrachte Kontaktierung wobei die Kontaktierung als Sprühbeschichtung ausgebildet ist.

IPC 8 full level

H05B 3/84 (2006.01)

CPC (source: EP US)

H05B 3/84 (2013.01 - EP US); **H05B 2203/016** (2013.01 - EP US)

Citation (applicant)

- WO 0110790 A1 20010215 - LIBBEY OWENS FORD CO [US], et al
- WO 0053062 A1 20000914 - ARDCO INC [US]
- US 5622414 A 19970422 - ARTWOHL PAUL J [US], et al
- EP 0300300 B1 19920122
- WO 9326138 A1 19931223 - ZORN HEINZ [AT], et al
- WO 9400044 A1 19940106 - DRAXL JOSEF [AT], et al
- US 5080146 A 19920114 - ARASTEH DARIUSH K [US]
- EP 0394089 B1 19970122 - SAINT GOBAIN VITRAGE [FR], et al
- EP 0397292 B1 19930421
- EP 0397292 A2 19901114 - SAINT GOBAIN VITRAGE [FR]

Citation (search report)

[XDI] WO 03039193 A1 20030508 - ENGINEERED GLASS PRODUCTS LLC [US], et al

Cited by

KR20140048234A; FR2976439A1; EA031770B1; US10237919B2; WO2012168628A1; WO2013020863A1; US10319493B2; US10716172B2; US9837732B2; US10770806B2; WO2014173595A1; WO2016146856A1; JP2014527265A

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2278851 A1 20110126; EP 2278851 B1 20130529; CA 2710361 A1 20110124; CA 2710361 C 20140617; CN 101962270 A 20110202; CN 101962270 B 20150121; DK 2278851 T3 20130826; ES 2425843 T3 20131017; PL 2278851 T3 20131129; US 2012080421 A1 20120405; US 8633426 B2 20140121

DOCDB simple family (application)

EP 09009630 A 20090724; CA 2710361 A 20100716; CN 201010234853 A 20100723; DK 09009630 T 20090724; ES 09009630 T 20090724; PL 09009630 T 20090724; US 80447210 A 20100722