Title (en)

COMPOSITE EDGE CLAMP FOR AN INSULATING GLASS UNIT, COMPOSITE EDGE OF AN INSULATING GLASS UNIT, INSULATING GLASS UNIT COMPRISING A COMPOSITE EDGE CLAMP

Title (de)

RANDVERBUNDKLAMMER FÜR ISOLIERGLASEINHEIT, RANDVERBUND EINER ISOLIERGLASEINHEIT, ISOLIERGLASEINHEIT MIT RANDVERBUNDKLAMMER

Title (fr)

AGRAFE DE BORD COMPOSITE POUR UNITÉ EN VERRE ISOLANT, BORD COMPOSITE D'UNE UNITÉ EN VERRE ISOLANT, UNITÉ DE VERRE ISOLANT DOTÉ D'UNE AGRAFE DE BORD COMPOSITE

Publication

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Application

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Abstract (en)

[origin: WO2011088994A2] The invention relates to a composite edge clamp which extends in a longitudinal direction (z) with a constant cross-section, as viewed in the cross-section (x-y) perpendicular to the longitudinal direction, for an insulating glass unit, comprising a substantially U-shaped clamp body (30) made of a first material having a specific thermal conductivity = 0.3 W/(mK), said body comprising at least one base (3c, 3d), and wherein at least two tubs (3w) for receiving adhesive (4) and panes (2a, 2b, 2c) of an insulating glass unit are defined by the at least one base (3c, 3d) and a first side wall (3a) and a second side wall (3b) that form the limbs of the U shape, and a gas diffusion-tight diffusion barrier layer (11, 12, 13, 14, 14') that is designed on or in the clamp body (30), wherein the diffusion barrier layer (11, 12, 13, 14, 14') originates from the inside walls (3e, 3we, 3wa, 3wb, 3wc, 3wd) of the tubs (3w) and extends continuously between two tubs (3w) either along the outside of the U shape (11) of the clamp body (30) or through (13, 14, 14') the clamp body (30).

IPC 8 full level

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CPC (source: EP US)

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