

Title (en)
FRAMELESS CASEMENT WITH U-SHAPED PROFILE

Title (de)
RAHMENLOSER FLÜGEL MIT U-FÖRMIGEM PROFIL

Title (fr)
BATTANT SANS CADRE AVEC PROFILÉ EN U

Publication
EP 3740640 B1 20240731 (EN)

Application
EP 19700597 A 20190115

Priority
• EP 18151847 A 20180116
• EP 2019050906 W 20190115

Abstract (en)
[origin: WO2019141670A1] The present invention concerns a frameless glass casement with an insulated glass unit (100) extending along a plane, P, defined by a horizontal axis, X, and a vertical axis, Z, wherein the frameless glass casement comprises peripheral edges including first and second lateral edges, extending parallel to the vertical axis, Z, and top and bottom edges extending parallel to the horizontal axis, X, and further comprising: at least a first glass plate (10) and a second glass plate (20) comprising a first (12) and second (22) inner plate faces, respectively, and a first (13) and second (23) outer plate faces, respectively, at least a spacer (4) coupled to the first and second inner plate faces, recessed from the peripheral edges and defining an interspace (5) extending between the first and second glass plates from the spacer to the peripheral edges, wherein the interspace along one or more of the first and second lateral edges, and top and bottom edges comprises an outwardly open U-shaped profile (60) positioned at least partially within the corresponding interspace, extending along a longitudinal axis, L, and having a cross section on a plane normal to the longitudinal axis, L, said cross section has a width, W, and a height, H and comprises: • a base element (63) having a height, Hb, and a width, Wb, • a first lateral wall (61) protruding out of the base element in the direction of the height, Hb, comprising a first top edge (61e) and having a thickness, Tw1, • a second lateral wall (62) protruding out of the base element in the direction of the height, Hb, comprising a second top edge (62e) and having a thickness, Tw2, • an inner profile volume, V, defined between the first lateral wall, the second lateral wall and the base element, wherein all the widths and thicknesses are measured in the direction normal to the plane, P, and all the heights are measured normal to the widths,

IPC 8 full level
E06B 3/02 (2006.01); **E06B 3/66** (2006.01)

CPC (source: EP)
E06B 3/025 (2013.01); **E06B 3/6621** (2013.01)

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

DOCDB simple family (publication)
WO 2019141670 A1 20190725; EA 202091680 A1 20201008; EP 3740640 A1 20201125; EP 3740640 B1 20240731

DOCDB simple family (application)
EP 2019050906 W 20190115; EA 202091680 A 20190115; EP 19700597 A 20190115