

Title (en)

WINDOW AND ASSEMBLY COMPRISING A HANDLE FREE FRAMELESS SASH

Title (de)

FENSTER UND ANORDNUNG MIT EINEM GRIFF- UND RAHMENLOSEN FLÜGEL

Title (fr)

FENÊTRE ET ENSEMBLE COMPRENANT UN CHÂSSIS SANS CADRE EXEMPT DE POIGNÉE

Publication

**EP 3959405 A1 20220302 (EN)**

Application

**EP 20717856 A 20200408**

Priority

- EP 19170966 A 20190424
- EP 2020059995 W 20200408

Abstract (en)

[origin: WO2020216620A1] The present invention concerns a window extending along a plane, P, defined by a longitudinal axis, X, and a vertical axis, Z. The window comprises an handle free frameless sash (10) and a fixed frame (20). The handle free frameless sash comprises an inner glazing (101) having an inner glazing external surface, IGes, and an inner glazing internal surface, IGis, and an outer glazing (10n) having an outer glazing external surface, OGe, and an outer glazing internal surface, OGis. The inner and outer glazings: • are free of an outer frame and free of a passing-through handle, • are separated by a gap (121) defined within a peripheral spacer (131), • have respectively a bottom edge (BotE) and a top edge (TopE) extending parallel to the longitudinal axis, X, and lateral edges (LatE) extending parallel to the vertical axis, Z, • have respectively inner and outer peripheral bands (141, 142) and inner and outer peripheral corners (151,152). The inner glazing external surface, IGes, is separated from the outer glazing external surface, OGe, by a sash thickness, W10, measured in the direction normal to the plane, P. The inner frame (11) positioned in a volume between the inner and outer glazings and between the peripheral spacer and the edges of the inner and outer glazings respectively. The fixed frame (20) defines a frame opening and has an outer face and an inner face defining a frame thickness, W20, measured in the direction normal to the plane, P. The handle free frameless sash is characterised in that the inner face of the fixed frame is flush with the inner glazing external surface, IGes, when the handle free frameless sash is in closed position, and in that the handle free frameless sash comprises a inner retaining safety device (171) for retaining the inner glazing external surface to the inner frame.

IPC 8 full level

**E06B 3/673** (2006.01); **E05B 65/00** (2006.01)

CPC (source: EP)

**E06B 3/67326** (2013.01)

Citation (search report)

See references of WO 2020216620A1

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

DOCDB simple family (publication)

**WO 2020216620 A1 20201029**; EP 3959405 A1 20220302

DOCDB simple family (application)

**EP 2020059995 W 20200408**; EP 20717856 A 20200408