

Title (en)

Roof window with a corner bracket

Title (de)

Dachfenster mit Eckmontagewinkel

Title (fr)

Fenêtre pour installation dans un toit avec un dispositif de fixation pour le coin

Publication

EP 2500487 A1 20120919 (EN)

Application

EP 12001511 A 20120306

Priority

PL 39423911 A 20110317

Abstract (en)

The invention relates to a roof window (1) comprising a window frame of a substantially rectangular outline having four longitudinal frame members (11, 12, 13, 14), wherein at least two adjacent frame members are provided with at least one mounting groove (15) extending along their external surface at least in the neighbourhood of their corner joint, a window sash mounted in the window frame (1), and at least one corner bracket (3) for mounting said window frame (1) to a roof construction (21, 22, 23) in the area of connection of the adjacent frame members (11, 14). In order to facilitate a mounting process and to simplify a construction of the bracket (3), the bracket has a form of a single-element metal shape, the thickness (g) of which corresponds substantially to the height (h) of the mounting groove (15) in the frame member (11, 12, 13, 14), and which comprises the first flat element (32) of a concave L-shaped outline for settling in the mounting grooves (15) of the adjacent frame members (11, 12, 13, 14) and for fixing to the elements (23) of the roof construction (2) perpendicular relative to the external surfaces of the frame members (11, 12, 13, 14), and the second flat element (31) bent perpendicularly relative to the first element (32), for fixing to the external surface of the frame member (11, 12, 13, 14), wherein the section of the edge (3231) of the perpendicular bend of the first (32) and second (31) elements is smaller than the overall length of the internal edge (323) of the first element (32) and is distanced in parallel from the remaining section of this edge (3232) at the distance (d) corresponding substantially to the depth (b) of the mounting groove (15) in the frame member (11, 12, 13, 14), wherein the first (32) and the second (31) element is provided with throughout openings (311, 321, 322) for mounting screws (16).

IPC 8 full level

E04D 13/03 (2006.01)

CPC (source: EP)

E04D 13/031 (2013.01)

Citation (applicant)

- WO 9935355 A1 19990715 - VELUX IND AS [DK], et al
- PL 117857 B1 19810831

Citation (search report)

- [A] WO 9935355 A1 19990715 - VELUX IND AS [DK], et al
- [A] EP 2055859 A1 20090506 - VKR HOLDING AS [DK]
- [A] EP 1061199 A1 20001220 - VELUX IND AS [DK]
- [A] WO 8804348 A1 19880616 - RASMUSSEN KANN IND AS [DK]
- [A] US 4920713 A 19900501 - BORRESEN BJARNE [DK], et al

Cited by

EP2843150A1; WO2023186239A1; EP2843150B1

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)

EP 2500487 A1 20120919; EP 2500487 B1 20130925; EP 2500487 B2 20171115; PL 227907 B1 20180131; PL 394239 A1 20120924

DOCDB simple family (application)

EP 12001511 A 20120306; PL 39423911 A 20110317