

Title (en)

A MOUNTING BRACKET FOR INSTALLATION OF A WINDOW IN A ROOF STRUCTURE

Title (de)

MONTAGEKLAMMER ZUM EINBAU EINES FENSTERS IN EINE DACHSTRUKTUR

Title (fr)

SUPPORT DE MONTAGE POUR L'INSTALLATION D'UNE FENÊTRE DANS UNE STRUCTURE DE TOIT

Publication

**EP 3505702 A1 20190703 (EN)**

Application

**EP 19158635 A 20170224**

Priority

- DK PA201670115 A 20160226
- EP 17708424 A 20170224
- DK 2017050048 W 20170224

Abstract (en)

The mounting bracket (6) for installation of a window has a first bracket leg (7) for fastening to the roof structure, and, for fastening to a frame member of the window, a second bracket leg (8) extending from the first bracket leg (7) at an angle. The angle is essentially orthogonal in an unloaded condition of the mounting bracket (6). At least one flange (9) extends at an angle from the second bracket leg (8) so that an edge (10) of the flange (9) faces other bracket leg (7). In a first load condition, in which forces act on the mounting bracket (6) so as to diminish the angle ( $\alpha$ ), a first torque threshold (T1) is provided, beyond which plastic deformation of the mounting bracket (6) occurs, and in a second load condition, in which forces (F2) act on the mounting bracket (6) so as to increase the angle ( $\alpha$ ), a second torque threshold (T2) is provided, beyond which plastic deformation of the mounting bracket (6) occurs, the second torque threshold (T2) being different from the first torque threshold (T1). In the first load condition, deformation of the mounting bracket (6; 106) occurs primarily in a first deformation zone (11) in the first bracket leg (7), and in the second load condition, deformation of the mounting bracket (6; 106) occurs primarily in a second deformation zone (12) in the first bracket leg (7).

IPC 8 full level

**E04D 13/03** (2006.01)

CPC (source: CN DK EP)

**E04D 13/03** (2013.01 - CN DK); **E04D 13/031** (2013.01 - EP); **E06B 1/60** (2013.01 - DK)

Citation (search report)

- [X] US 6213679 B1 20010410 - FROBOSILO RAYMOND C [US], et al
- [X] EP 2578763 A1 20130410 - VKR HOLDING AS [DK]

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 2017144064 A1 20170831**; CN 108699841 A 20181023; CN 108699841 B 20200717; CN 110005143 A 20190712; CN 110005143 B 20210507; DK 179625 B1 20190305; DK 201670115 A1 20170911; EP 3420155 A1 20190102; EP 3420155 B1 20200129; EP 3505702 A1 20190703; EP 3505702 B1 20231129; ES 2775057 T3 20200723; HU E048673 T2 20200928; PL 3420155 T3 20200907; PL 3505702 T3 20240415

DOCDB simple family (application)

**DK 2017050048 W 20170224**; CN 201780013113 A 20170224; CN 201910167210 A 20170224; DK PA201670115 A 20160226; EP 17708424 A 20170224; EP 19158635 A 20170224; ES 17708424 T 20170224; HU E17708424 A 20170224; PL 17708424 T 20170224; PL 19158635 T 20170224