

Title (en)
Structural connection of door leaf and door frame

Title (de)
Strukturelle Verbindung von Türblatt und Türrahmen

Title (fr)
Connexion de structure de battant de porte et cadre de porte

Publication
EP 2631407 A3 20140122 (EN)

Application
EP 13460010 A 20130220

Priority
PL 39820512 A 20120222

Abstract (en)
[origin: EP2631407A2] The subject of the invention is the structural connection of door leaf and door frame, the task of which is to ensure diversified thermal insulation depending on the needs while applying the same base profiles of frame and door leaf. The structural connection of door leaf and door frame, is comprised of a thin-wall frame profile and a thin-wall door leaf profile composed of a dimensional compound profile circumflexing the glazed panel secured at its perimeter with a thermal insulating insert and sealed on one side of the glazed panel with an external panel gasket and with an internal pane gasket pressed by a glazing strip on the other side. The thin-wall profile (3) of the frame (2) has three closed chambers (9) , (10) , (11) , where the internal chamber (10) has opposite trapezoid sockets (12) , (12') for the fixed connection with trapezoid protrusions (13) , (13') of the spacers (14) , (15) while the thin-wall profile (4) of the door leaf (1) has three closed chambers (16) , (17) , (18) , while the internal chamber (17) has trapezoid sockets (19) , (19') for the fixed connection with trapezoid protrusions (20) , (20') of the profile spacers (21) , (22) , while in the space (23) between the door leaf (1) and the frame (2) , masking gaskets (24) , (24') are located, the profile, trapezoid protrusions of which (25) , (25') are inserted into the rhombus-shaped sockets (26) , (26') of the profile spacer (15) . (21) , while between the door leaf (1) and frame (2) closing strips have been placed (8) , (8') .

IPC 8 full level
E06B 3/263 (2006.01); **E06B 1/62** (2006.01)

CPC (source: EP)
E06B 1/62 (2013.01); **E06B 3/2632** (2013.01); **E06B 2003/26321** (2013.01)

Citation (search report)
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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 2631407 A2 20130828; EP 2631407 A3 20140122; EP 2631407 B1 20220518; ES 2924290 T3 20221005; PL 231569 B1 20190329; PL 2631407 T3 20220905; PL 398205 A1 20130902

DOCDB simple family (application)
EP 13460010 A 20130220; ES 13460010 T 20130220; PL 13460010 T 20130220; PL 39820512 A 20120222