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(54) **Structural connection of door leaf and door frame**

(57) 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').

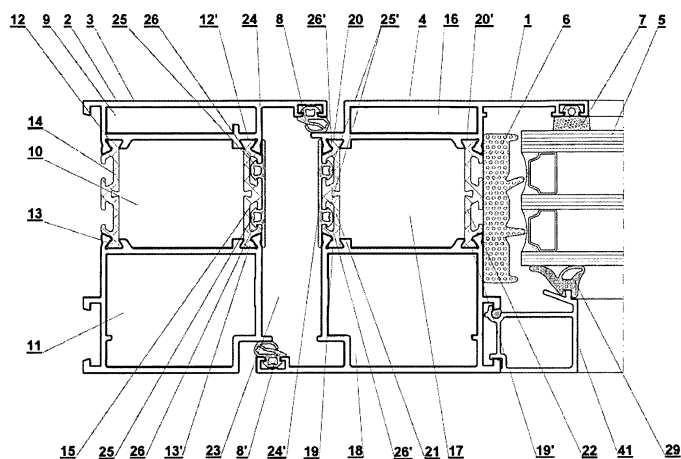


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 13 46 0010

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 17 December 2013	Examiner Verdonck, Benoit
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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