

Title (en)

A THERMAL INSULATING DOOR OR WINDOW, IN PARTICULAR ROOF HATCH

Title (de)

WÄRMEDÄMMENDE TÜR ODER FENSTER, INSBESONDERE DACHLUKE

Title (fr)

PORTE OU FENÊTRE D'ISOLATION THERMIQUE, EN PARTICULIER TRAPPE DE TOIT

Publication

**EP 4251820 A1 20231004 (EN)**

Application

**EP 22809902 A 20221010**

Priority

- HU P2100350 A 20211011
- HU 2022050071 W 20221010

Abstract (en)

[origin: WO2023062396A1] A door or window that can be used especially as a roof hatch comprises a fixed frame (1 ) made of a base frame part (3) and a linked frame part (4). A heat insulator is connected to the inner side of a cover (9) facing the external environment of the casement (2), the cover (9) includes a cover insert (10) and a casement frame (11 ) connected to the cover (9) and surrounding the thermal insulating cover insert (10), where both the linked frame part (4) and the casement frame (11 ) have at least three air chamber structures, and for the linked frame part (4) and the casement frame (11 ) fixed frames (1 ) and casements (2) of commercially available prefabricated plastic doors and windows are used. The casement (2) can be easily removed and installed in a defined range of opening angles by hinges (23) that enable separation of the casement (2) in a direction perpendicular to its axis of rotation.

IPC 8 full level

**E04D 13/03** (2006.01); **E04D 13/035** (2006.01); **F24F 7/02** (2006.01)

CPC (source: EP HU)

**E04B 7/18** (2013.01 - HU); **E04D 13/0315** (2013.01 - EP HU); **E04D 13/035** (2013.01 - HU); **E04D 13/0354** (2013.01 - EP); **E05D 1/04** (2013.01 - HU); **E05D 7/1016** (2013.01 - HU); **E06B 1/28** (2013.01 - HU); **E06B 1/30** (2013.01 - HU); **E06B 5/01** (2013.01 - HU); **F24F 7/02** (2013.01 - EP)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2023062396 A1 20230420**; EP 4251820 A1 20231004; EP 4251820 B1 20240117; EP 4251820 C0 20240117; ES 2977268 T3 20240821; HU E065831 T2 20240628; HU P2100350 A1 20230428; PL 4251820 T3 20240527

DOCDB simple family (application)

**HU 2022050071 W 20221010**; EP 22809902 A 20221010; ES 22809902 T 20221010; HU E22809902 A 20221010; HU P2100350 A 20211011; PL 22809902 T 20221010