

Title (en)

ROOF WINDOW COMPRISING POLYMER PROFILE COMPRISING A SKIN LAYER

Title (de)

DACHFENSTER MIT POLYMERPROFIL MIT EINER HAUTSCHICHT

Title (fr)

FENÊTRE DE TOIT COMPRENANT UN PROFILÉ EN POLYMÈRE COMPRENANT UNE COUCHE DE REVÊTEMENT

Publication

EP 4379161 A1 20240605 (EN)

Application

EP 22210133 A 20221129

Priority

EP 22210133 A 20221129

Abstract (en)

A roof window is disclosed. The roof window comprises a frame (2, 7) comprising structural, elongated frame profiles (2a, 2b, 2c, 7a, 7b, 7c) comprising side profiles (2a, 7a), a top profile (2b, 7b) and a bottom profile (2c, 7c). The roof window moreover comprises an insulated glass unit (3) supported by said frame (2). The insulated glass unit (3) comprises a first exterior major surface (S1) and a second exterior major surface (S2) wherein the first and second exterior major surfaces (S1, S2) are oppositely directed. One or more of the structural elongated frame profiles (2a, 2b, 2c, 7a, 7b, 7c) is a polymer frame profile comprising- exterior polymer profile walls (4AB-4EA, 7AB-7EA), which together shapes and encloses an interior profile space (5, 12), and- metal reinforcement (6), which reinforces the polymer frame profile (2a, 2b, 2c, 7a, 7b, 7c). One or more of said exterior polymer profile walls (4AB-4EA, 7AB-7EA) comprises a skin layer (14, 14a-14c) arranged at a structural base wall (15) so as to cover the structural base wall (15). The skin layer (14, 14a-14c) provides one or more of the exterior, visible surfaces (4BCs, 4ABs, 4EAs) of the exterior polymer profile walls (4AB-4EA, 7AB-7EA).

IPC 8 full level

E04D 13/03 (2006.01); **E06B 3/22** (2006.01); **E06B 3/30** (2006.01)

CPC (source: EP)

E04D 13/031 (2013.01); **E06B 3/222** (2013.01); **E06B 3/306** (2013.01)

Citation (applicant)

- WO 2021080445 A1 20210429 - GLOGOWSKI HENRYK [PL], et al
- US 6427415 B1 20020806 - ROSENKRANZ ERICH [DE]
- WO 2008135048 A1 20081113 - VKR HOLDING AS [DK], et al
- PL 232782 B1 20190731 - GLOGOWSKI HENRYK [PL], et al
- EP 3648945 B1 20220316 - VKR HOLDING AS [DK]

Citation (search report)

- [YDA] US 6427415 B1 20020806 - ROSENKRANZ ERICH [DE]
- [YA] WO 2021156313 A1 20210812 - VKR HOLDING AS [DK]
- [Y] WO 9822683 A1 19980528 - RASMUSSEN KANN IND AS [DK], et al
- [Y] CN 105008648 A 20151028 - DUSPOHL MASCHB GMBH
- [Y] GB 2564502 A 20190116 - VEKA PLC [GB]
- [Y] EP 3252249 A1 20171206 - VKR HOLDING AS [DK]
- [A] DE 202019107047 U1 20210318 - REHAU AG & CO [DE]
- [A] DE 19741788 A1 19980416 - PIP AG [CH]

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)

EP 4379161 A1 20240605

DOCDB simple family (application)

EP 22210133 A 20221129