

Title (en)

Window and door frames that can be covered with various materials made of thermoplastic, weldable material

Title (de)

Mit unterschiedlichem Werkstoff abdeckbare Fenster- und Türrahmen aus thermoplastischem, schweiszbarem Werkstoff

Title (fr)

Cadres de fenêtre et de porte escamotables avec différents matériaux à base de matériaux thermoplastiques pouvant être soudés

Publication

EP 2594720 B1 20161012 (DE)

Application

EP 12007732 A 20121115

Priority

IT BZ20110056 A 20111118

Abstract (en)

[origin: EP2594720A2] The frame has suspension longitudinal bars (1b, 2b) and/or longitudinal grooves with inner suspension projections (2d) for fastening covering sections (10, 10a, 20, 20b) and/or strips of different material. The covering sections are connected by connection brackets (10v, 10w, 20v, 20w, 10x) to form a stable cover frame. One of the suspension bars are milled at profiles (2a) of a leaf frame (2) and a longitudinal bar (1c) at profiles (1a) of a stick frame (1). Longitudinal bars (10b, 10c, 20a) are milled at the covering sections in four corner regions of the frames.

IPC 8 full level

E06B 3/30 (2006.01); **E06B 3/36** (2006.01); **E06B 3/56** (2006.01); **E06B 7/14** (2006.01); **E06B 7/23** (2006.01)

CPC (source: EP)

E06B 3/306 (2013.01); **E06B 3/365** (2013.01); **E06B 3/56** (2013.01); **E06B 7/14** (2013.01); **E06B 7/2305** (2013.01); **E06B 7/2309** (2013.01)

Citation (opposition)

Opponent : REHAU AG + Co

- EP 2045431 A2 20090408 - GUTMANN HERMANN WERKE GMBH [DE]
- DE 202006018326 U1 20070301 - ALUPLAST GMBH [DE]
- DE 29814676 U1 19981119 - VER GLASWERKE GMBH [DE]
- DE 102006032179 B4 20091105 - PLUSTEC GMBH [DE]
- EP 0517057 A2 19921209 - NIEMANN HANS DIETER [DE]
- WO 2006111551 A1 20061026 - PROFINE GMBH [DE], et al
- GB 2201179 A 19880824 - SMITH W H & SONS
- DE 10059849 A1 20010531 - RAICO BAUTECHNIK GMBH [DE]
- DE 202004011157 U1 20060323 - HAEUSLER LUDWIG [DE]
- DE 102005060102 A1 20060622 - PROFINE GMBH [DE]

Cited by

EP3783181A1; IT201900014511A1; DE102019122295A1; AT523544A5; AT523544B1; EP4375472A1; EP3783182A1; EP3712368A1; ES2926099R1; WO2019052987A1; WO2021185945A1; EP4144946A1; WO2023031250A1

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)

EP 2594720 A2 20130522; **EP 2594720 A3 20160210**; **EP 2594720 B1 20161012**; **EP 2594720 B2 20191225**; ES 2609850 T3 20170424; ES 2609850 T5 20200617; IT BZ20110056 A1 20130519; PL 2594720 T3 20170531; PL 2594720 T5 20200629; PT 2594720 T 20161227; SI 2594720 T1 20170131; SI 2594720 T2 20200331

DOCDB simple family (application)

EP 12007732 A 20121115; ES 12007732 T 20121115; IT BZ20110056 A 20111118; PL 12007732 T 20121115; PT 12007732 T 20121115; SI 201230799 T 20121115