

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

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