

Title (en)

Doors, windows, curtain walls composed of high thermal insulated, wooden-aluminium composite profiles, and production method thereof

Title (de)

Türe, Fenster, Fassadenwände bestehend aus Kompositprofilen aus Holz und Aluminium und deren Herstellungsverfahren

Title (fr)

Portes, fenêtres et murs rideau composés de profilés composites en bois et aluminium et leur procédé de fabrication

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Application

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Priority

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Abstract (en)

The present invention relates to a window, door, and curtain wall embodiment composed of light-weighting, high thermal insulated, wooden-aluminum composite profiles for use in buildings, said embodiment comprising at least one metal frame inner profile (4) and at least one frame outer profile (5), at least one vent inner profile (7) and at least one vent outer profile (8), and at least one central guide profile (10), which are mechanically joined by means of thermal breaks (6) for heat insulation purposes, and which have proper slots for fastening or connecting the accessories allowing for maximum vertical and horizontal clearances and making the embodiment completely fulfill its main functions; wooden profiles (1, 2), which make sensible the heat that is physiologically provided by such wooden materials, and which is not exposed to external environmental conditions (such as water, wind, high temperature, cold, dirt, sunlight, etc.); and wooden glazing bead profiles (3) and metal glazing bead profiles (9).

IPC 8 full level

E06B 3/30 (2006.01)

CPC (source: EP)

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Citation (applicant)

- EP 0961002 A1 19991201 - GUTMANN HERMANN WERKE GMBH [DE]
- US 3815285 A 19740611 - KUYPER H
- EP 1486636 A2 20041215 - GUTMANN HERMANN WERKE AG [DE]
- CH 596426 A5 19780315 - KOLLER METALLBAU AG
- EP 0990706 A1 20000405 - LIFESCAN INC [US]
- EP 1178177 A2 20020206 - GUTMANN HERMANN WERKE GMBH [DE]
- DE 10154058 A1 20030515 - GUTMANN HERMANN WERKE GMBH [DE]
- FR 2789111 A1 20000804 - PROFILS SYSTEMES [FR]
- EP 0796973 A1 19970924 - BRUYNO N V [BE]
- DE 10138731 A1 20030306 - AUG GUTTENDOERFER GMBH & CO [DE]
- US 4432179 A 19840221 - BACHMANN OTTO [CH]
- US 4875316 A 19891024 - JOHNSTON BERNARD A [US]

Citation (search report)

- [Y] WO 03001015 A1 20030103 - ANODIL EXTRUSAO E DISTRIBUICAO [PT], et al
- [Y] US 4918810 A 19900424 - ANDERSON RICHARD N [US]
- [A] US 5095679 A 19920317 - GASSER ERWIN [IT]
- [A] GB 2269622 A 19940216 - CARADON EVEREST LTD [GB]

Cited by

DE102010035346B4; US2022389755A1; IT202200012940A1; WO2021086212A1

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