Title (en)

Heat-insulating compound profile.

Title (de)

Wärmedämmendes Verbundprofil.

Title (fr)

Profilé composé calorifuge.

Publication

EP 0085775 A1 19830817 (DE)

Application

EP 82111610 A 19821214

Priority

DE 3200844 A 19820114

Abstract (en)

1. A heat-insulating composite member, in particular for window or door frames, comprising two metal bar sections (1, 2, 1a, 2a) and an insulating strip (3) connecting same, wherein the metal bar sections have strip portions (6, 7; 17, 18) which extend continuously at both longitudinal sides of the insulating strip and which engage into recesses in the insulating strip, and provided on each bar section between the continuous strip portions is an intermediate web portion (12, 13) which engages into a groove (10, 11) in the insulating strip, wherein the intermediate web portions extend at an inclined angle with respect to the continuous strip portions at one longitudinal side of the insulating strip and the internal width of the grooves is greater than the thickness of the intermediate web portions and the continuous strip portions (6, 7) towards which the intermediate web portions are directed are deformed and pivoted by an applied pressure from the exterior about an axis (A) extending parallel to the longitudinal direction of the associated metal bar section, in such a way that the strip portions (6, 7) press the insulating strip against the metal bar sections in the region between the intermediate web portions and the continuous strip portions, and the insulating strip is provided with edge strip portions (25), at the side that the intermediate web portions are directed away from, characterised in that each edge strip portion (25) engages into a receiving groove (28) in the metal bar section, which receiving groove is provided with a pivotable and cold-deformable inner web portion (22, 30), the inner web portion forms the inside wall of the receiving groove and is pivotable about an axis (B) extending parallel to the longitudinal direction of the associated metal bar section (1, 2; 1a, 2a), there is a gap between the bottom (29) of the receiving groove (28) and the edge strip portion (25), and the edge strip portion (25) is gripped between the inner web portion (22, 30) and the inside wall (26) of the metal bar section.

Abstract (de)

Das wärmedämmende Verbundprofil für Fenster- oder Türrahmen besteht aus zwei Metallprofilstäben (1, 2) und einer zwischen diesen Metallprofilstäben eingespannten Isolierleiste (3). Die Metallprofilstäbe weisen Zwischenstege (12, 13) auf, die in Nuten (10, 11) der Isolierleiste (3) eingreifen. Die Randleisten (15 und 25) der Isolierleiste (3) werden durch Anformungen durchgehender Leisten (6, 7 und 17, 18) der Metallprofilstäbe in Richtung der Pfeile (F) mit ihren seitlichen Begrenzungsflächen (15a, 25a) an die Innenwand (26) der Metallprofilstäbe (1, 2) gedrückt, wobei sich eine formstabile Verbindung zwischen den das Verbundprofil bildenden Bauteilen ergibt.

IPC 1-7

E06B 3/26

IPC 8 full level

E06B 3/26 (2006.01); **E06B 3/273** (2006.01); E06B 3/263 (2006.01)

CPC (source: EP)

E06B 3/273 (2013.01); E06B 2003/26352 (2013.01)

Citation (search report)

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- [A] DE 2559336 B2 19790621

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