

Title (en)
U-shaped plug connector adapted to the hollow profile member

Title (de)
Hohlprofilkonformer U-förmiger Steckverbinder

Title (fr)
Raccord enfichable en forme de U adapté au profilé creux

Publication
EP 1475506 A3 20050803 (DE)

Application
EP 04011022 A 20040510

Priority
DE 20307201 U 20030508

Abstract (en)
[origin: EP1475506A2] U-shaped connector (2) made of plastic for connecting hollow profiles comprises outward-facing angled fins (5) arranged on the side bars (4) of the connector one behind the other in a row in the direction of the longitudinal axis of the connector. The hollow profiles have a rectangular cross-section with a perforated base surface, parallel side walls (7) and a top surface (8) parallel to the base surface with concave butyl-receiving flanks between the top surface and side walls. The fins end exactly at the edge receiving the butyl composition (D) at the junction between the side wall and the top surface of the hollow profile and thus absorb the deformation pressure transferred from the top surface of the hollow profile to the side bars of the connector. The cold flow of the side bars and the resulting inward collapse under permanent pressure are prevented.

IPC 1-7
E06B 3/667

IPC 8 full level
E06B 3/667 (2006.01)

CPC (source: EP US)
E06B 3/667 (2013.01 - EP US); **Y10T 403/55** (2015.01 - EP US); **Y10T 403/559** (2015.01 - EP US)

Citation (search report)
• [DY] EP 0750090 A2 19961227 - CERA HANDELS GMBH [DE]
• [Y] EP 0651124 A1 19950503 - CERA HANDELS GMBH [DE]
• [A] WO 0220931 A1 20020314 - BAYER ISOLIERGLAS & MASCHTECH [DE], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1475506 A2 20041110; EP 1475506 A3 20050803; EP 1475506 B1 20100210; AT E457407 T1 20100215; DE 20307201 U1 20050210; DE 502004010728 D1 20100325; US 2005013659 A1 20050120; US 7549818 B2 20090623

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