

Title (en)

Set-squareconnecting structure for right-angle connections of metal sections for door- and window casings, frames and the like.

Title (de)

Rechtwinklige Verbinder für Rechteckverbindungen von Metallprofilen für Tür- und Fensterrahmen, Zargen und dgl.

Title (fr)

Equerre pour assemblages d'angle droit de profilés métalliques pour cadres de portes et fenêtres ou similaires.

Publication

EP 0644312 A2 19950322 (EN)

Application

EP 94114332 A 19940912

Priority

IT MI930723 U 19930917

Abstract (en)

Right-angle connecting structure for hollow sections cut at 45 DEG for the realization of door- and window frames, casings and the like, utilizing a set-square composed of two flat and superposed angle bars inserted into the ends of said sections and provided with a tensioning dowel to allow teeth protruding from an angle bar to insert stably into eyelets obtained in the walls of said sections; said structure being provided with wedge-shaped means for driving and restraining said dowel during the screwing, for the shifting of the upper angle bar on the lower angle bar, and with plug-in hooking means, obtained transversally on the matching faces of said angle bars, suitable to prevent, during the tensioning of said dowel, the rotation and/or shiftings of the flanges of the upper angle bar relatively to the lower angle bar, and to allow the regular engagement of said teeth into the relevant eyelets and the safe and stable locking of the sections with one another. <IMAGE>

IPC 1-7

E06B 3/98

IPC 8 full level

E06B 3/98 (2006.01)

CPC (source: EP)

E06B 3/982 (2013.01)

Cited by

WO2004033837A1; CN103821439A; GR960100131A; CN103821431A; DE202008014975U1; GR20150100500A; GR1009147B; US7509780B2; WO9739217A1; EP3916188A1; DE102020113834A1

Designated contracting state (EPC)

CH DE ES FR GR LI

DOCDB simple family (publication)

EP 0644312 A2 19950322; EP 0644312 A3 19960619; IT 230412 Y1 19990607; IT MI930723 U1 19950317; IT MI930723 V0 19930917

DOCDB simple family (application)

EP 94114332 A 19940912; IT MI930723 U 19930917