

Title (en)  
Corner joint for joining profiles

Title (de)  
Eckverbindung

Title (fr)  
Assemblage d'angle

Publication  
**EP 2672055 A1 20131211 (EN)**

Application  
**EP 12461520 A 20120608**

Priority  
EP 12461520 A 20120608

Abstract (en)  
A corner joint for connecting profiles contains a corner element embedded in chambers of profiles being connected (10, 20) and joining elements by means of which the corner element (30) is immobilised in relation to profiles being connected. The corner element is of shape of a joining block (30), which with one end is embedded in the chamber (12) of the first profile (10) and with the other end is embedded in a cut-out (121) made in the internal wall (127) of the second profile (20) and adjoins the middle wall (27) of the second profile (20) with the front surface (33), while the middle wall (77) of the second profile (20) is pressed to the front surface (33) of the joining block (30) by means of the first joining element determining the position of the joining block (30) in relation to the second profile (20), which is a screw (50), which goes through a through hole (25) made in the middle wall (27), and which is screwed into the threaded opening (31) made in the joining block (30) in the front surface side (33), and the position of the joining block (30) in relation to the first profile (10) is determined by means of the second joining element, which is a screwable element (70) going through a through hole (14) of the internal wall (115) of the first profile (10), and which is screwed into a threaded opening made in the joining block (30) in the side of the surface adjoining the internal wall of the first profile (10).

IPC 8 full level  
**E06B 3/968** (2006.01)

CPC (source: EP)  
**E06B 3/9687** (2013.01)

Citation (applicant)  
• PL 193379 B1 20070228 - VEKA AG [DE]  
• CA 2561334 A1 20051006 - DONG XIANGYI [CN]  
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• [XI] US 3828516 A 19740813 - KERN H  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

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