

Title (en)  
Edge joints for door and window frames

Title (de)  
Eckverbinder für Tür- und Fensterrahmen

Title (fr)  
Raccordement d'angle pour cadre de porte et de fenêtre

Publication  
**EP 2011949 A3 20110525 (DE)**

Application  
**EP 08011190 A 20080619**

Priority  
DE 102007030618 A 20070702

Abstract (en)  
[origin: EP2011949A2] The connector has a cross sectional rectangular shaft (10) for insertion into a frame hollow profile. An inclined surface (12) runs with respect to a miter joint of the profile. The inclined surface and a spreading device are provided for twisting the shaft in the hollow profile. The spreading device spreads a spreading part from a rectangular portion of the shaft. The spreading part is connected with spreading channels at both adjacent sides of the shaft, where the spreading channels are prestressed by accumulating on spreading surfaces while spreading the spreading part.

IPC 8 full level  
**E06B 3/96** (2006.01); **E06B 3/972** (2006.01)

CPC (source: EP)  
**E06B 3/9608** (2013.01); **E06B 3/9646** (2013.01); **E06B 3/9725** (2013.01)

Citation (search report)

- [X1] EP 1342877 A2 20030910 - REICHEL PHI GMBH [DE]
- [X1] DE 10039403 C1 20011213 - REICHEL PHI GMBH [DE]
- [YD] DE 9113235 U1 19911205
- [Y] DE 1930039 A1 19701223 - SCHUERMAN & CO HEINZ

Cited by  
EP2873795A1; EP4365399A1; WO2019155197A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2011949 A2 20090107; EP 2011949 A3 20110525; EP 2011949 B1 20160106**; DE 102007030618 B3 20090305; HR P20160197 T1 20160325; HU E026941 T2 20160829; PL 2011949 T3 20160630; SI 2011949 T1 20160229

DOCDB simple family (application)  
**EP 08011190 A 20080619**; DE 102007030618 A 20070702; HR P20160197 T 20160225; HU E08011190 A 20080619; PL 08011190 T 20080619; SI 200831571 T 20080619