

Title (en)  
PLUG CONNECTOR FOR HOLLOW SECTIONS

Title (de)  
STECKVERBINDER FÜR HOHLPROFILE

Title (fr)  
RACCORDS A EMBOITEMENT POUR PROFILES CREUX

Publication  
**EP 1317601 B1 20040804 (DE)**

Application  
**EP 01974244 A 20010912**

Priority  
• DE 20015913 U 20000913  
• EP 0110505 W 20010912

Abstract (en)  
[origin: US2004088943A1] The invention relates to a plug connector (1) for hollow sections (24) of spacer frames for insulating glass panes. Said plug connector comprises a plurality of lateral retainer elements (12, 13, 14) on the side wall, said retainer elements being arranged one after the other in the plug-in direction (9) of the hollow sections (24). At least some of said retainer elements are offset at a mutual distance (16, 17) transversely in relation to the plug-in direction. The retainer elements (12, 13, 14) are thus preferably arranged at various levels (h12, h13, h14), thereby engaging at various points on the hollow section (24).

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 403/555** (2015.01 - EP US); **Y10T 403/559** (2015.01 - EP US)

Cited by  
EP3592932B1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**US 2004088943 A1 20040513; US 6862859 B2 20050308**; AT E272781 T1 20040815; CA 2418863 A1 20030206; CA 2418863 C 20070320; CZ 20023779 A3 20030514; CZ 303219 B6 20120530; DE 20015913 U1 20020207; DE 50103144 D1 20040909; DK 1317601 T3 20041011; EP 1317601 A1 20030611; EP 1317601 B1 20040804; ES 2221653 T3 20050101; HK 1054069 A1 20031114; HU 224804 B1 20060228; HU P0300463 A2 20030728; PL 205223 B1 20100331; PL 358302 A1 20040809; PT 1317601 E 20041130; RU 2264520 C2 20051120; TR 200402353 T4 20041221; WO 0223004 A1 20020321

DOCDB simple family (application)  
**US 31183402 A 20021216**; AT 01974244 T 20010912; CA 2418863 A 20010912; CZ 20023779 A 20010912; DE 20015913 U 20000913; DE 50103144 T 20010912; DK 01974244 T 20010912; EP 0110505 W 20010912; EP 01974244 A 20010912; ES 01974244 T 20010912; HK 03106291 A 20030903; HU P0300463 A 20010912; PL 35830201 A 20010912; PT 01974244 T 20010912; RU 2003101337 A 20010912; TR 200402353 T 20010912