

Title (en)  
PLUG CONNECTOR AND PLUG CONNECTION

Title (de)  
STECKVERBINDER UND STECKVERBINDUNG

Title (fr)  
CONNECTEUR D'ASSEMBLAGE ET LIAISON PAR CONNECTEUR D'ASSEMBLAGE

Publication  
**EP 3592932 B1 20220914 (DE)**

Application  
**EP 18712517 A 20180307**

Priority  
• DE 202017101315 U 20170308  
• EP 2018055654 W 20180307

Abstract (en)  
[origin: WO2018162584A1] The invention relates to a preferably straight plug connector (1) for hollow profiles (23), in particular warm edge hollow profiles, of spacers of insulation glazing. The plug connector (1) has a substantially U-shaped cross-section with open end faces (26) and a base (2) facing the pane inner space when installed, and has side walls (3) along its edges and a centring aid (24). Laterally flared resilient retaining elements (6, 7, 8, 9), which have a straight lower edge (11) in the side view, are mounted on the free edge (4) of the side walls (3).

IPC 8 full level  
**E06B 3/667** (2006.01)

CPC (source: EP RU US)  
**E06B 3/667** (2013.01 - EP RU US); **E06B 3/968** (2013.01 - RU)

Citation (opposition)  
Opponent : Mr. Cezary GRZYWACZ  
• DE 202014104222 U1 20151211 - KRONENBERG MAX [DE]  
• DE 202006009491 U1 20071025 - KRONENBERG MAX [DE], et al  
• DE 3408600 A1 19850912 - KRONENBERG MAX, et al  
• WO 2016038002 A1 20160317 - KRONENBERG RALF M [DE]  
• PL 65674 Y1 20111130 - NASIADKO HALINA [PL], et al  
• EP 1317601 B1 20040804 - KRONENBERG MAX [DE]  
• US 3643989 A 19720222 - SATTLER ERICH

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

DOCDB simple family (publication)  
**DE 202017101315 U1 20180611**; CN 110431282 A 20191108; DE 102018105264 A1 20180913; DK 3592932 T3 20221212;  
EP 3592932 A1 20200115; EP 3592932 B1 20220914; ES 2933509 T3 20230209; HU E060790 T2 20230428; PL 3592932 T3 20230123;  
RU 2019130842 A 20210408; RU 2019130842 A3 20210628; RU 2765352 C2 20220128; UA 127860 C2 20240131; US 11555347 B2 20230117;  
US 2021131166 A1 20210506; WO 2018162584 A1 20180913

DOCDB simple family (application)  
**DE 202017101315 U 20170308**; CN 201880016962 A 20180307; DE 102018105264 A 20180307; DK 18712517 T 20180307;  
EP 18712517 A 20180307; EP 2018055654 W 20180307; ES 18712517 T 20180307; HU E18712517 A 20180307; PL 18712517 T 20180307;  
RU 2019130842 A 20180307; UA A201910021 A 20180307; US 201816491801 A 20180307