

Title (en)  
Plug connector

Title (de)  
Steckverbinder

Title (fr)  
Connecteur à fiches

Publication  
**EP 2551438 B1 20171213 (DE)**

Application  
**EP 12177547 A 20120723**

Priority  
DE 102011052094 A 20110724

Abstract (en)  
[origin: EP2551438A2] The plug-in connector (1) has outwardly projecting disks (6) and a base part (2), where the plug-in connector is formed as straight-, angled-, corner- or junction connector. The disks describe an inner envelope and an outer envelope, where the inner envelope is formed based on the base part. One or multiple longitudinal ribs (3,4) are lifted from the base part with the disks. The longitudinal ribs are formed as lateral bars that are directly connected to the disks.

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

CPC (source: EP)  
**E06B 3/667** (2013.01)

Citation (examination)

- DE 29718523 U1 19980205 - SCHMITZ WERNER DIPL ING [DE]
- DE 4335039 A1 19941124 - KRONENBERG MAX [DE]

Citation (opposition)  
Opponent : Eduard Kronenberg GmbH

- DE 202005020587 U1 20060504 - SCHMITZ WERNER [DE]
- US 6347902 B1 20020219 - LOH WALTER [DE]
- DE 102005027778 A1 20060928 - CERA HANDELS GMBH [DE]
- DE 29718523 U1 19980205 - SCHMITZ WERNER DIPL ING [DE]
- DE 4335039 A1 19941124 - KRONENBERG MAX [DE]
- DE 29613519 U1 19971211 - KRONENBERG MAX [DE]
- DE 202004004933 U1 20050721 - KRONENBERG MAX [DE], et al
- FA. SCHMITZ, OFFENKUNDIGE VORBENUTZUNG EINE STECKVERBINDERS
- MODULUS EMPFEHLUNGEN FÜR DEN KONSTRUKTEUR, pages I,II,II-2, II-3, II-4, II-15
- VDI-BUCH, HANDBUCH FÜR TECHNISCHES PRODUKTDESIGN, 2011, pages 1,88

Cited by  
RU2765352C2; DE202022002823U1; EP4279699A1; DE102022112248A1; EP3170963A1

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

DOCDB simple family (publication)  
**EP 2551438 A2 20130130; EP 2551438 A3 20141105; EP 2551438 B1 20171213**; DE 102012106676 A1 20130124

DOCDB simple family (application)  
**EP 12177547 A 20120723**; DE 102012106676 A 20120723