

Title (en)  
PLUG CONNECTOR

Title (de)  
STECKVERBINDER

Title (fr)  
CONNECTEUR ÉLECTRIQUE

Publication  
**EP 3837740 A1 20210623 (DE)**

Application  
**EP 19755604 A 20190815**

Priority  
• DE 102018120104 A 20180817  
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Abstract (en)  
[origin: WO2020035566A1] The invention relates to a plug connector (100) for providing an electrical connection, having: a collective seal (10) having at least one passage opening (11) and at least one electrically conductive plug contact (30), which can be guided through the at least one passage opening (11) of the collective seal (10). To this end, the invention makes provision for a template (40) for the passage opening (11) to be provided in order to support the plug contact (30) when it is guided through the passage opening (11) of the collective seal (10).

IPC 8 full level  
**H01R 13/52** (2006.01); **H01R 43/00** (2006.01); **H01R 43/20** (2006.01)

CPC (source: EP US)  
**H01R 13/5208** (2013.01 - EP US); **H01R 43/005** (2013.01 - US); **H01R 43/005** (2013.01 - EP)

Citation (search report)  
• [X] EP 1556924 B1 20080326 - DELPHI TECH INC [US]  
• [X] WO 2015121874 A1 20150820 - TYCO ELECTRONICS AMP GMBH [DE], et al  
• [X] JP 2003092165 A 20030328 - SUMITOMO WIRING SYSTEMS  
• [X] DE 19641408 A1 19970410 - YAZAKI CORP [JP]  
• [A] EP 2555338 A2 20130206 - BOSCH GMBH ROBERT [DE]  
• See also references of WO 2020035566A1

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)  
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DOCDB simple family (publication)  
**WO 2020035566 A1 20200220**; CN 113169477 A 20210723; CN 113169477 B 20230905; DE 102018120104 A1 20200220; EP 3837740 A1 20210623; EP 3837740 B1 20241009; US 11539159 B2 20221227; US 2021242621 A1 20210805

DOCDB simple family (application)  
**EP 2019071941 W 20190815**; CN 201980068482 A 20190815; DE 102018120104 A 20180817; EP 19755604 A 20190815; US 201917268610 A 20190815