

Title (en)  
PLUG CONNECTOR HAVING SHOCK HAZARD PROTECTION

Title (de)  
STECKVERBINDER MIT EINEM BERÜHRSCHUTZ

Title (fr)  
CONNECTEUR MUNI D'UNE PROTECTION CONTRE LES CONTACTS

Publication  
**EP 3791447 A1 20210317 (DE)**

Application  
**EP 19723309 A 20190410**

Priority

- DE 102018109557 A 20180420
- DE 2019100332 W 20190410

Abstract (en)  
[origin: WO2019201387A1] The invention relates to a plug-side first electrical plug connector (1) having at least two flat electrical contact elements (13) arranged in parallel next to one another, which extend in a housing (10) of the plug connector (1) in the insertion direction of the plug connector (1) in order to connect to a corresponding, socket-side second plug connector (2) in the direction of an opening of the housing (10). A plastic tip (131) is formed on one end of a contact region (130) of the contact elements (13), and at least one dome-like shock hazard protection element (101, 102) is additionally provided in the housing (10), which extends in the insertion direction adjacent to the contact elements (13) and protrudes beyond the contact region (130) of the contact elements (13) by a predetermined amount. The plug connector (1) is suitable for an inverter of a motor vehicle in order to supply power to an auxiliary unit of the motor vehicle, wherein the first plug connector (1) is designed such that shock hazard protection of the contact elements (3) for a human finger and/or reliable operating security is provided.

IPC 8 full level  
**H01R 13/44** (2006.01); **H01R 13/447** (2006.01); **H01R 13/627** (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP US)  
**H01R 13/44** (2013.01 - EP); **H01R 13/447** (2013.01 - US); **H01R 13/533** (2013.01 - US); **H01R 13/6272** (2013.01 - US); **H01R 13/447** (2013.01 - EP); **H01R 13/6272** (2013.01 - EP); **H01R 13/639** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP US)

Citation (search report)  
See references of WO 2019201387A1

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