

Title (en)  
CONTACT ELEMENT ASSEMBLY FOR A PLUG CONNECTOR PART

Title (de)  
KONTAKTELEMENTBAUGRUPPE FÜR EIN STECKVERBINDETEIL

Title (fr)  
ENSEMBLE ÉLÉMENT DE CONTACT POUR PARTIE FICHE DE CONNEXION

Publication  
**EP 4104247 A1 20221221 (DE)**

Application  
**EP 21701482 A 20210121**

Priority

- DE 102020103866 A 20200214
- EP 2021051244 W 20210121

Abstract (en)  
[origin: WO2021160394A1] A contact element assembly for a plug connector part (4) that can be connected in a plug-fitting manner to a mating plug connector part (30, 31) comprises a contact element (41, 42) having a contact section (420) for making electrical contact with a mating contact element (300) and a connecting section (422) for producing a crimp connection to an electrical line (43) to be connected to the contact element (41, 42), wherein the connecting section (422) is produced from a copper alloy and has an opening (423) for receiving the line (43) and a circumferential surface (424) which delimits the opening (423). The connecting section (422) has a surface structure (5) which is formed on the circumferential surface (424) and is designed to operatively connect to the electrical line (43) when producing the crimp connection by reshaping the connecting section (422).

IPC 8 full level  
**H01R 4/18** (2006.01); **H01R 4/60** (2006.01)

CPC (source: EP US)  
**B60L 53/16** (2019.02 - EP); **H01R 4/183** (2013.01 - US); **H01R 4/188** (2013.01 - US); **H01R 4/203** (2013.01 - EP); **H01R 4/60** (2013.01 - US); **H01R 13/04** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/14** (2013.01 - EP)

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Designated extension state (EPC)  
BA ME

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