

Title (en)
ELECTRICAL PLUG-IN CONNECTION AND PRINTED CIRCUIT BOARD ARRANGEMENT

Title (de)
ELEKTRISCHE STECKVERBINDUNG UND LEITERPLATTENANORDNUNG

Title (fr)
CONNEXION ÉLECTRIQUE ENFICHABLE ET AGENCEMENT DE CARTE DE CIRCUIT IMPRIMÉ

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Application
EP 21743452 A 20210712

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Abstract (en)
[origin: WO2022152410A1] The present invention relates to an electrical plug-in connection (2). The present invention also relates to a printed circuit board arrangement (1). An electrical plug-in connection (2) has a plug-in connector (8) and a mating plug-in connector (9). The plug-in connector (8) contains a contact element (10), whereas the mating plug-in connector (9) contains a contact body (11) which comprises a plurality of electrically interconnected contact regions (14) which are each deformable. The contact regions (14) are arranged with respect to one another in such a way that different insertion regions (17) for inserting the contact element (10) into the contact body (11) can be formed in the contact body (11). In each case one of the contact regions (14) is arranged between at least two of the insertion regions (17) in the contact body (11) in at least one direction which runs orthogonally to a longitudinal axis (16) of the contact element (10). The contact regions (14) each adjoining the respective insertion region (17) are deformed by the contact element (10) inserted into the respective insertion region (17) in such a way that an electrical contact and a mechanical connection can be established between the plug-in connector (8) and the mating plug-in connector (9).

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