

Title (en)

ELECTRIC CIRCUIT WITH CONNECTING PART PROTECTED AGAINST INCORRECT COUPLING

Title (de)

ELEKTRISCHE SCHALTUNG MIT VERPOLUNGSGESCHÜTZTEM VERBINDUNGSTEIL

Title (fr)

CIRCUIT ÉLECTRIQUE AVEC PIÈCE CONDUCTRICE PROTÉGÉE CONTRE UNE CONNEXION INCORRECTE

Publication

EP 2595908 B1 20160831 (DE)

Application

EP 11726040 A 20110614

Priority

- CH 11992010 A 20100721
- CH 2011000145 W 20110614

Abstract (en)

[origin: WO2012009820A1] The electrical circuit comprises a connecting part (3) on the circuit side, which has a plurality of contact elements (8) for a detachable electrical plug-in connection, wherein all contact elements (8) of the connecting part (3) on the circuit side are arranged in such a way that said contact elements can be mapped to themselves by means of at least one congruence mapping (91) different from the identical mapping. The contact elements (8) are assigned with regard to the circuit in such a way that only contact elements (8) that are electrically compatible with each other are mapped to each other in the at least one congruence mapping (91). Thus injury to persons and/or damage to property in the event of reverse polarity is minimized without a mechanical and/or electrical reverse polarity protection element being necessary.

IPC 8 full level

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CPC (source: EP)

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