

Title (en)

DEVICE FOR PLUG-CONNECTING ELECTRIC LINES

Title (de)

VORRICHTUNG ZUM STECKVERBINDEN ELEKTRISCHER LEITUNGEN

Title (fr)

DISPOSITIF DE CONNEXION PAR ENFICHAGE DE LIGNES ELECTRIQUES

Publication

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Application

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Abstract (en)

[origin: WO0118913A1] The invention relates to a device for plug-connecting a first and second electric line (2, 8; 108). The inventive device comprises a plug element (6) which is assigned to the first line (2) and which has a plug pin (4). The device also comprises a socket element (12) which is assigned to the second line (8; 108), which receives the plug pin (4) in a pin receiver (10; 110), and which electrically contacts the same. Said socket element (12) has a metal strip (14a, 14b; 114a, 114b) which forms the second line (8; 108) and which, on its end facing the plug pin (4), is deformed in a transversal manner with regard to the longitudinal direction thereof while forming the plug receiver (10; 110). Said metal strip is deformed so that the plug pin (4) can be inserted into the plug receiver (10; 110) in a longitudinal direction of the metal strip (14, 16; 116). The invention is characterized in that the metal strip (14a, 14b; 114a, 114b) forms a one-piece plate bar (14) located external to the socket element (12). Electrical and/or electronic components (42, 44) are applied to said plate bar which are electrically connected in an at least partial manner to the metal strip (14a, 14b; 114a, 114b).

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