

Title (en)
PLUG-TYPE CONNECTION FOR TRANSMITTING ELECTRICAL ENERGY

Title (de)
STECKVERBINDUNG FÜR DIE ÜBERTRAGUNG ELEKTRISCHER ENERGIE

Title (fr)
CONNEXION PAR FICHE POUR LE TRANSFERT D'ÉNERGIE ÉLECTRIQUE

Publication
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Application
EP 11726737 A 20110601

Priority
• CH 9462010 A 20100611
• EP 2011059082 W 20110601

Abstract (en)
[origin: WO2011154303A1] A plug-type connection comprises a housing (1) on the female-connector side having a female-connector element (3) conducting the electrical current, a housing (2) on the male-connector side having a male-connector element (4) conducting the electrical current, and at least one contact element (5) for making electrical contact between the female-connector element (3) and the male-connector element (4). The female-connector element (3) and the male-connector element (4) extend substantially along a mid-axis (M). The housing (1) on the female-connector side and the housing (2) on the male-connector side and therefore the female-connector element (3) and the male-connector element (4) can be connected to one another via a plug-in movement (S), and electrical contact between the female-connector element (3) and the male-connector element (4) is produced in the connected state. The contact element (5) produces a first resistive force (F1) counter to the plug-in movement. The plug-type connection furthermore comprises an automatically self-locking locking element (6) for locking the plug-type connection, said locking element (6) producing a second resistive force (F2) counter to the plug-in movement (S). Guide elements (7) are provided between the housing (1) on the female-connector side and the housing (2) on the male-connector side, said guide elements being designed such that the application of a torque to at least one of the two housings (1, 2) results in an assisting force in the direction of the plug-in movement (S), with the result that at least part of the resistive forces (F1, F2) can be overcome by this resistive force.

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