

Title (en)

SPRING-FORCE CONNECTION AND ROUND PLUG-IN CONNECTOR WITH A LARGE NUMBER OF SPRING-FORCE CONNECTIONS

Title (de)

FEDERKRAFTANSCHLUSS UND RUNDSTECKVERBINDER MIT EINER VIELZAHL VON FEDERKRAFTANSCHLÜSSEN

Title (fr)

CONNEXION ÉLASTIQUE ET CONNECTEUR ROND COMPORTANT UNE PLURALITÉ DE CONNEXIONS ÉLASTIQUES

Publication

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Application

EP 18705650 A 20180220

Priority

- BE 201705116 A 20170227
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Abstract (en)

[origin: WO2018153862A1] The present invention discloses a spring-force connection (10) having a housing part (11), having a pivot lever (20) which can be pivoted between an open position and a closed position, having an electrically conductive connecting device (30) which is accessible via a conductor insertion opening (13) of the housing part (11), and having a contact spring (40) by means of which a conductor (L) which is inserted into the housing part (11) via the conductor insertion opening (13) can apply force to the connecting device (30), wherein the spring-force connection is characterized in that the contact spring (40) which can be pivoted between a release position and a clamping position has a pressing limb (41) and a clamping limb (45) which is connected to said pressing limb by means of a bending joint (44), and in that the pivot lever (20) has a pressing device (21) and a driver (22), wherein the pressing limb (41) is arranged between the pressing device (21) and the driver (22) at least in the closed position of the pivot lever (20), and in that, by pivoting of the pivot lever (20) into its closed position, the pressing device (21) can at least indirectly apply force to the pressing limb (41) in such a way that the contact spring (40) is pivoted into its clamping position, so that a conductor (L) which is inserted into the housing part (11) via the conductor insertion opening (13) applies force to the connecting device (30) by means of the clamping limb (45), and in that, by pivoting of the pivot lever (20) into its open position, the driver (22) can at least indirectly apply force to the pressing limb (41) in such a way that the contact spring (40) is pivoted into its release position.

IPC 8 full level

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