

Title (en)

CONNECTION DEVICE FOR ELECTRICAL CONDUCTORS, AND SPRING ELEMENT FOR A CONNECTION DEVICE

Title (de)

ANSCHLUSSEINRICHTUNG FÜR ELEKTRISCHE LEITER UND FEDERELEMENT FÜR EINE ANSCHLUSSEINRICHTUNG

Title (fr)

DISPOSITIF DE CONNEXION POUR CONDUCTEURS ÉLECTRIQUES ET ÉLÉMENT RESSORT POUR UN DISPOSITIF DE CONNEXION

Publication

EP 3931911 A1 20220105 (DE)

Application

EP 20711493 A 20200219

Priority

- DE 102019104704 A 20190225
- DE 2020100118 W 20200219

Abstract (en)

[origin: WO2020173524A1] Connection device for providing electrical contact between at least one electrical conductor (5) and a busbar (10) of an electrical connecting contact (1), having the features of: a bearing device for at least one spring element (2) being formed on the busbar (10) of the connecting contact (1); the spring element (2) being designed and arranged in an operable manner on the bearing device in such a way that the spring element (2) can be moved from a first tension state to a second and third tension state; wherein in the first tension state of the spring element (2) a contact end (25) of the spring element (2) bears against the busbar (10), and in the second tension state of the spring element (2) the conductor (5) is fixed to the busbar (10) by means of the contact end (25) of the spring element (5) and a contact connection for the conductor (5) to the busbar (10) is closed, and in the third tension state of the spring element (2) the contact connection for the conductor (5) to the busbar (10) is opened. The connection device is provided for a connecting contact (1) of a plug-in connector, wherein the connecting contact can be, in particular, an earthing element (1) of the plug-in connector. A suitable compact spring element (2) with spring travel which is nevertheless suitably long is provided for the connection device.

IPC 8 full level

H01R 4/48 (2006.01); **H01R 13/04** (2006.01)

CPC (source: EP US)

H01R 4/483 (2023.08 - EP US); **H01R 4/4842** (2023.08 - EP US); **H01R 4/4821** (2023.08 - EP US); **H01R 4/485** (2023.08 - EP US); **H01R 13/04** (2013.01 - EP)

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BA ME

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