

Title (en)

CONNECTION DEVICE FOR CONNECTING A CONDUCTOR END

Title (de)

ANSCHLUSSVORRICHTUNG ZUM ANSCHLUSS EINES LEITERENDES

Title (fr)

DISPOSITIF DE CONNEXION SERVANT À CONNECTER L'EXTRÉMITÉ D'UN CONDUCTEUR

Publication

**EP 3718170 B1 20220126 (DE)**

Application

**EP 18807615 A 20181121**

Priority

- DE 202017107208 U 20171128
- EP 2018082074 W 20181121

Abstract (en)

[origin: WO2019105824A1] Connection device for connecting a conductor end (3), which has a housing (1) and, in the housing (1), a busbar portion (6), a clamping spring arrangement (4) and a rotary lever arrangement (5), wherein the clamping spring arrangement (4) can be rotated, with the aid of the rotary lever arrangement (5), from an open position into a contact position in which the conductor end (3) is contacted, wherein the rotary lever arrangement (5) has a rotary lever element (50) which is mounted in the housing (1) so as to be rotatable in or on a preferably central portion (500) and which has the axis of rotation (D2), and wherein the rotary lever element (50) has an eccentric portion (502) which has a control cam (503) along which the clamping spring arrangement (4) slides during a movement into the end contact position, wherein the eccentric portion (502) engages by way of a guide means, such as by way of a projection or a pin (504) inserted therein or the like, into a slotted link (18) of the housing (1), and wherein a clamping and/or latching means are or is formed on the eccentric portion (502), and wherein the slotted link (18) of the housing (1) is aligned with a slotted link (60) in the busbar portion (6), in which the fixing position for the clamping and/or latching means is formed.

IPC 8 full level

**H01R 4/48** (2006.01); **H01R 9/26** (2006.01)

CPC (source: EP US)

**H01R 4/483** (2023.08 - EP US); **H01R 11/09** (2013.01 - US); **H01R 4/4821** (2023.08 - EP US); **H01R 4/4837** (2023.08 - EP US); **H01R 4/485** (2023.08 - EP US); **H01R 9/26** (2013.01 - EP)

Cited by

CN116928535A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 202017107208 U1 20190304**; CN 111466057 A 20200728; CN 111466057 B 20210504; EP 3718170 A1 20201007; EP 3718170 B1 20220126; ES 2911010 T3 20220517; US 11322860 B2 20220503; US 2021320436 A1 20211014; WO 2019105824 A1 20190606

DOCDB simple family (application)

**DE 202017107208 U 20171128**; CN 201880076500 A 20181121; EP 18807615 A 20181121; EP 2018082074 W 20181121; ES 18807615 T 20181121; US 201816767031 A 20181121