

Title (en)

Electric connection device of at least one conductor in a terminal belonging to an electric apparatus

Title (de)

Elektrische Anschlussvorrichtung mit mindestens einem Leiter in einer Klemme, die zu einem elektrischen Gerät gehört

Title (fr)

Dispositif de raccordement électrique d'au moins un conducteur dans une borne appartenant à un appareil électrique

Publication

EP 2849287 B1 20190515 (FR)

Application

EP 14171713 A 20140610

Priority

FR 1358932 A 20130917

Abstract (en)

[origin: CN104465238A] The present invention relates to an electrical connecting device comprising a stirrup piece comprising forming at least one aperture for receiving an electrical conductor, and associated with the or each orifice, a spring bearing at one of its ends on a said stationary part first of the range of the connection unit and by its other end to a second fixed part of the connecting pad spring rest position, and actuating means of the bracket adapted to move the latter between a first position in which said yoke compresses the spring to allow removal of the conductor of the orifice and a second position in which the pressure exerted by the clamp on the spring is released .; This device is characterized in that the or each said spring comprises a leaf spring (18,19) supported by said first one (20,21) of its free end portions, on the fixed part above said first (24) of the connecting pad of the apparatus, and by its second free end portion (22, 23), in the absence of conductors into the terminal on said second portion (31) of the range, this second free end portion (22,23) also being designed to be brought to bear elastically on the conductor (11,12) when the latter is introduced into the corresponding orifice (9,10), after the displacement means aforementioned actuator (14,15) in the second position, so as to retain said conductor (11,12) within the terminal.

IPC 8 full level

H01R 4/48 (2006.01)

CPC (source: CN EP)

H01R 4/4821 (2023.08 - CN EP); **H01R 4/483** (2023.08 - CN EP); **H01R 4/4837** (2023.08 - CN EP); **H01R 4/485** (2023.08 - CN EP)

Cited by

CN113574739A; EP3035447A1; KR20190039528A; JP2019525433A; WO2020182380A1; US10367272B2; WO2018036898A1

Designated contracting state (EPC)

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