

Title (en)

SPRING FORCE TERMINAL CONNECTION AND ELECTRIC DEVICE THEREWITH

Title (de)

FEDERKRAFTKLEMMANSCHLUSS UND ELEKTRISCHES GERÄT HIERMIT

Title (fr)

CONNEXION PAR BORNE À RESSORT ET APPAREIL ÉLECTRIQUE CONTENANT LADITE CONNEXION

Publication

EP 2917971 B1 20161221 (DE)

Application

EP 13789258 A 20131106

Priority

- DE 102012110759 A 20121109
- EP 2013073135 W 20131106

Abstract (en)

[origin: WO2014072327A1] Disclosed is a spring force terminal connection (1) comprising a busbar (2), a terminal spring (4) in the form of a cage tensile spring, and an actuation element (13) which is displaceably mounted to act upon the actuation section (7) of the terminal spring (4) such that a terminal point can be opened and closed. A bearing arm (12, 22) extends from the direction of the busbar (2) through a slot (9, 20) in the terminal section (8) and/or in the actuation section (7) of the terminal spring (4). The section of the bearing arm (12, 22) that extends through the slot (9, 20) is arranged in a region between the lateral edges of the terminal spring (4) and supports the actuation element (13).

IPC 8 full level

H01R 4/48 (2006.01)

CPC (source: CN EP US)

H01R 4/48 (2013.01 - US); **H01R 4/48365** (2023.08 - CN EP US); **H01R 4/48455** (2023.08 - CN EP US)

Cited by

WO2020070208A1; DE102018124623A1; DE102018124623B4; US11688956B2

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DOCDB simple family (publication)

DE 102012110759 A1 20140515; **DE 102012110759 B4 20210401**; CN 104885303 A 20150902; CN 104885303 B 20170524; EP 2917971 A1 20150916; EP 2917971 B1 20161221; JP 2016501420 A 20160118; JP 6235033 B2 20171122; PL 2917971 T3 20170630; US 2015357727 A1 20151210; US 9413082 B2 20160809; WO 2014072327 A1 20140515

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