

Title (en)

CONNECTION TERMINAL AND SPRING-LOADED TERMINAL CONTACT THEREFOR

Title (de)

VERBINDUNGSKLEMME UND FEDERKRAFTKLEMMKONTAKT HIERZU

Title (fr)

BORNE DE LIAISON ET CONTACT DE BORNE À RESSORT ASSOCIÉ

Publication

**EP 3111513 A1 20170104 (DE)**

Application

**EP 15707331 A 20150226**

Priority

- DE 102014102517 A 20140226
- EP 2015053998 W 20150226

Abstract (en)

[origin: WO2015128407A1] The invention relates to a spring-loaded terminal contact (3) for making contact with electrical conductors, having at least one bus bar (7) and having at least one clamping spring (9), which has a bearing side (10), a clamping side (12) and a spring bow (11) arranged between the bearing side (10) and the clamping side (12). The clamping side (12) extends towards the bus bar and has a spring clamping edge (8) for clamping an electrical conductor introduced in a conductor insertion direction (L) between clamping side (12) and bus bar (7). The bus bar (7) has a clamping edge (6), which together with the spring clamping edge (8) forms a clamping point for the electrical conductor to be clamped. The bus bar (7) has a channel-shaped depression (14) adjacent to the clamping edge (6) in front of the clamping point in the conductor insertion direction (L).

IPC 8 full level

**H01R 4/48** (2006.01); **H01R 9/24** (2006.01); **H01R 11/09** (2006.01)

CPC (source: EP KR RU US)

**H01R 4/48** (2013.01 - KR RU); **H01R 4/4821** (2023.08 - EP KR RU US); **H01R 4/4852** (2023.08 - EP KR RU US); **H01R 9/24** (2013.01 - KR); **H01R 9/2416** (2013.01 - US); **H01R 11/09** (2013.01 - EP KR US); **H01R 4/483** (2023.08 - EP KR RU US); **H01R 4/485** (2023.08 - EP KR RU US); **H01R 9/24** (2013.01 - EP US); **H01R 2101/00** (2013.01 - EP US)

Cited by

WO2022243292A1; WO2022243284A3; DE102021112961A1; WO2022243284A2; DE102021112960A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102014102517 A1 20150827**; **DE 102014102517 B4 20210610**; CN 105874650 A 20160817; CN 112670724 A 20210416; EP 3111513 A1 20170104; EP 3111513 B1 20200520; ES 2797691 T3 20201203; KR 102372258 B1 20220308; KR 20160126993 A 20161102; PL 3111513 T3 20201116; RU 2016128445 A 20180329; RU 2016128445 A3 20181015; RU 2676265 C2 20181227; US 2016352028 A1 20161201; US 9761964 B2 20170912; WO 2015128407 A1 20150903

DOCDB simple family (application)

**DE 102014102517 A 20140226**; CN 201580003567 A 20150226; CN 202011352505 A 20150226; EP 15707331 A 20150226; EP 2015053998 W 20150226; ES 15707331 T 20150226; KR 20167022959 A 20150226; PL 15707331 T 20150226; RU 2016128445 A 20150226; US 201515117347 A 20150226