

Title (en)
CONDUCTOR TERMINAL AND METHOD FOR MOUNTING THE SAME

Title (de)
LEITERANSCHLUSSKLEMME UND VERFAHREN ZU DEREN MONTAGE

Title (fr)
BORNE DE RACCORDEMENT DE CONDUCTEUR ET PROCÉDÉ DE MONTAGE DE LADITE BORNE

Publication
EP 3198681 A1 20170802 (DE)

Application
EP 15770876 A 20150925

Priority
• DE 102014114026 A 20140926
• EP 2015072121 W 20150925

Abstract (en)
[origin: WO2016046372A1] The invention relates to a conductor terminal (1) having the following features: a) at least one insulating-material housing (2), b) at least one contact insert (3, 5) arranged at least partially in the insulating-material housing and having at least one contact piece (3) and at least one clamping spring (50), c) wherein the contact piece, together with the clamping spring, forms at least one conductor clamping point (30) for an electrical conductor (8) to be contacted by means of the conductor terminal (1), which electrical conductor can be acted upon by a spring force of the clamping spring (5), d) at least one actuating lever (7) pivotably supported in the insulating-material housing (2) for actuating the clamping spring (5), wherein the actuating lever (7) can be pivoted from a closed position to an open position and vice versa in relation to the insulating-material housing (2) and/or the contact piece (3) and an electrical conductor (8) inserted into the conductor terminal (1) is not acted upon by the spring force of the clamping spring (5) at the conductor clamping point (30) at least in the open position, e) wherein the actuating lever (7) is supported in a floating manner and is supported at least partially on the contact piece (3) at least in the open position.

IPC 8 full level
H01R 4/48 (2006.01)

CPC (source: CN EP KR US)
H01R 4/4821 (2023.08 - CN EP KR); **H01R 4/483** (2023.08 - CN EP KR); **H01R 4/48365** (2023.08 - US); **H01R 4/48455** (2023.08 - US); **H01R 43/18** (2013.01 - US); **H01R 43/20** (2013.01 - US); **H01R 4/4835** (2023.08 - CN EP KR)

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 102014114026 A1 20160331; **DE 102014114026 B4 20230330**; CN 107078414 A 20170818; CN 107078414 B 20190913; CN 110474173 A 20191119; CN 110474173 B 20201218; EP 3198681 A1 20170802; EP 3198681 B1 20180516; EP 3367510 A1 20180829; EP 3367510 B1 20221116; ES 2676590 T3 20180723; ES 2933496 T3 20230209; JP 2017528877 A 20170928; JP 2018160467 A 20181011; JP 6416389 B2 20181031; JP 6698752 B2 20200527; KR 101925227 B1 20181204; KR 102034977 B1 20191021; KR 20170061666 A 20170605; KR 20180129988 A 20181205; PL 3198681 T3 20181031; PL 3367510 T3 20230220; TR 201807285 T4 20180621; US 10193245 B2 20190129; US 10665965 B2 20200526; US 2018205159 A1 20180719; US 2019109390 A1 20190411; US 2020153125 A9 20200514; WO 2016046372 A1 20160331

DOCDB simple family (application)
DE 102014114026 A 20140926; CN 201580049473 A 20150925; CN 201910753457 A 20150925; EP 15770876 A 20150925; EP 18168528 A 20150925; EP 2015072121 W 20150925; ES 15770876 T 20150925; ES 18168528 T 20150925; JP 2017513461 A 20150925; JP 2018119569 A 20180625; KR 20177006921 A 20150925; KR 20187034356 A 20150925; PL 15770876 T 20150925; PL 18168528 T 20150925; TR 201807285 T 20150925; US 201515510849 A 20150925; US 201816211943 A 20181206