

Title (en)  
CONDUCTOR CONNECTION TERMINAL

Title (de)  
LEITERANSCHLUSSKLEMME

Title (fr)  
BORNE DE CONNEXION DE CONDUCTEUR

Publication  
**EP 3298659 B1 20211020 (DE)**

Application  
**EP 16724384 A 20160519**

Priority  
• DE 102015107853 A 20150519  
• EP 2016061190 W 20160519

Abstract (en)  
[origin: WO2016184934A1] The invention relates to a conductor connection terminal (1), comprising an insulating material housing (17), which has a conductor introduction opening (18) for introduction of an electrical conductor (4) and a contact pin introduction opening (24) for introduction of a contact pin (5), comprising a clamping spring (2) for clamping an electrical conductor (4), wherein the clamping spring (2) has a clamping leg (6) having a clamping edge (7) oriented for abutment on the electrical conductor (4) to be clamped, a spring curve (8) and an abutment leg (9), wherein the conductor introduction opening (18) opens out towards the clamping edge (7), in order to guide the electrical conductor (4) to a clamping point formed by the clamping edge (7), and wherein the contact pin introduction opening (24) extends in the opposite direction to the conductor introduction opening (18) into the interior of the insulating material housing (17) and opens out towards the abutment leg (9), in order to guide the contact pin (5) to be clamped onto the abutment leg (9). The abutment leg (9) has an insertion opening (10). The contact element (3) is arranged on the clamping spring (2) in the insertion opening (10) of the abutment leg (9) between the introduced electrical conductor (4) and the contact pin (5). The free end portion of the abutment leg (9) forms a clamping portion (11) for clamping the introduced contact pin (5) between the clamping portion (11) and the contact element.

IPC 8 full level  
**H01R 4/48** (2006.01); **H01R 12/72** (2011.01)

CPC (source: EP US)  
**H01R 4/4821** (2023.08 - EP); **H01R 4/48275** (2023.08 - US); **H01R 4/48365** (2023.08 - US); **H01R 4/48455** (2023.08 - US);  
**H01R 4/5066** (2013.01 - US); **H01R 13/50** (2013.01 - US); **H01R 4/22** (2013.01 - US); **H01R 4/483** (2023.08 - EP); **H01R 4/4852** (2023.08 - EP);  
**H01R 12/728** (2013.01 - EP US); **H01R 12/88** (2013.01 - US)

Citation (examination)  
DE 3514099 A1 19861023 - WAGO VERWALTUNGS GMBH [DE]

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)  
**WO 2016184934 A1 20161124**; CN 107636901 A 20180126; CN 107636901 B 20200703; DE 102015107853 A1 20161124;  
DE 102015107853 B4 20200813; EP 3298659 A1 20180328; EP 3298659 B1 20211020; US 10014596 B2 20180703;  
US 2018076536 A1 20180315

DOCDB simple family (application)  
**EP 2016061190 W 20160519**; CN 201680028513 A 20160519; DE 102015107853 A 20150519; EP 16724384 A 20160519;  
US 201615567778 A 20160519