

Title (en)
CONDUCTOR TERMINAL

Title (de)
LEITERANSCHLUSSKLEMME

Title (fr)
BORNE DE CONNEXION DE CONDUCTEUR

Publication
EP 2956995 B1 20190828 (DE)

Application
EP 14706795 A 20140212

Priority
• DE 102013101409 A 20130213
• EP 2014052717 W 20140212

Abstract (en)
[origin: WO2014124960A1] A conductor terminal (1) is described having an insulating material housing (2) and having at least one spring-loaded clamping connection (11) in said insulating material housing (2), and having at least one actuation element (3) that is pivotably accommodated in the insulating material housing (2) and is designed to open in each case at least one associated spring-loaded clamping connection (11). The actuation element (3) has two lever arm portions (7a, 7b) which are spaced from each other and at least partially enter the insulating material housing (2) with a pivot bearing region (23) and, at a distance from said pivot bearing region (23), are connected to each other by a transversal connecting part (8) to form a lever arm. The at least one spring-loaded clamping connection (11) is covered by an outer limiting wall (10) of the insulating material housing (2) on the side of the insulating material housing (2) on which the at least one actuation element (3) is provided and side wall portions (29a, 29b) bordering an associated spring-loaded clamping connection (11) extend on both sides into the interior of the insulating material housing (2) from said outer limiting wall (10). The lever arm portions (7a, 7b) of the actuation element (3) border an associated side wall portion (29a, 29b) situated laterally next to a spring-loaded clamping connection (9) when the respective actuation element (3) is in the closed state in which it is pivoted down in the direction of the insulating material housing (2).

IPC 8 full level
H01R 4/48 (2006.01); **H01R 12/88** (2011.01)

CPC (source: CN EP RU US)
H01R 4/48 (2013.01 - RU); **H01R 4/4821** (2023.08 - CN EP RU); **H01R 4/483** (2023.08 - CN EP RU); **H01R 4/48365** (2023.08 - US); **H01R 4/5066** (2013.01 - RU US); **H01R 4/48455** (2023.08 - US); **H01R 4/485** (2023.08 - CN EP RU); **H01R 12/88** (2013.01 - EP US)

Citation (examination)
JP 2012064351 A 20120329 - PANASONIC ELEC WORKS CO LTD

Citation (opposition)
Opponent : PHOENIX CONTACT GmbH & Co. KG,
• EP 1622224 A1 20060201 - LEGRAND SA [FR], et al
• DE 102007050936 A1 20090507 - WAGO VERWALTUNGS GMBH [DE]
• DE 102010060252 A1 20120503 - PHOENIX CONTACT GMBH & CO [DE]
• JP 2012064351 A 20120329 - PANASONIC ELEC WORKS CO LTD
• EP 2445056 A1 20120425 - WAGO VERWALTUNGS GMBH [DE]
• DE 102008039868 A1 20100304 - PHOENIX CONTACT GMBH & CO [DE]
• DE 202011104318 U1 20120817 - HELLERMANNTYTON GMBH [DE]
• DE 10237701 B4 20100916 - WAGO VERWALTUNGS GMBH [DE]
• DE 7719374 U1 19770929
• WO 2010133082 A1 20101125 - NINGBO DEGSON ELECTRONICS CO LTD [CN], et al
• DE 102010024809 A1 20111229 - WAGO VERWALTUNGS GMBH [DE]
• CN 102306875 A 20120104 - QINGHUA SUN
• WO 2012025818 A1 20120301 - PANASONIC CORP [JP], et al
• WO 2011068113 A1 20110609 - PANASONIC ELEC WORKS CO LTD [JP], et al
• JP 2008135231 A 20080612 - MATSUSHITA ELECTRIC WORKS LTD
• JP 2008108643 A 20080508 - MATSUSHITA ELECTRIC WORKS LTD
• JP 2008108642 A 20080508 - MATSUSHITA ELECTRIC WORKS LTD
• JP 2006066223 A 20060309 - MATSUSHITA ELECTRIC WORKS LTD
• JP 2006012634 A 20060112 - MATSUSHITA ELECTRIC WORKS LTD
• DE 8704494 U1 19870611

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)
DE 102013101409 A1 20140814; DE 102013101409 B4 20220120; CN 104981943 A 20151014; CN 104981943 B 20180105; CN 107910661 A 20180413; CN 107910661 B 20200320; EP 2956995 A1 20151223; EP 2956995 B1 20190828; EP 3588681 A1 20200101; ES 2757901 T3 20200430; JP 2016507146 A 20160307; JP 6047249 B2 20161221; KR 102146016 B1 20200820; KR 20150116848 A 20151016; PL 2956995 T3 20200430; RU 2015133918 A 20170320; RU 2018112454 A 20190228; RU 2018112454 A3 20210908; RU 2653697 C2 20180514; RU 2759944 C2 20211119; US 2015349437 A1 20151203; US 9466895 B2 20161011; WO 2014124960 A1 20140821

DOCDB simple family (application)
DE 102013101409 A 20130213; CN 201480008462 A 20140212; CN 201711103518 A 20140212; EP 14706795 A 20140212; EP 19192347 A 20140212; EP 2014052717 W 20140212; ES 14706795 T 20140212; JP 2015557408 A 20140212; KR 20157021570 A 20140212; PL 14706795 T 20140212; RU 2015133918 A 20140212; RU 2018112454 A 20140212; US 201414767702 A 20140212