

Title (en)
PLUG CONNECTOR COMPRISING A PROTECTIVE CONDUCTOR BRIDGE

Title (de)
STECKVERBINDER UMFASSEND EINE SCHUTZLEITERBRÜCKE

Title (fr)
FICHE DE RACCORDEMENT AVEC PONTET DE CONDUCTEUR DE PROTECTION

Publication
EP 2823536 B1 20201223 (DE)

Application
EP 13714560 A 20130305

Priority
• DE 102012101813 A 20120305
• EP 2013054410 W 20130305

Abstract (en)
[origin: WO2013131918A1] The invention relates to a plug connector (1) for mechanically and electrically connecting to a corresponding mating plug connector, comprising a housing (2), a protective conductor bridge (3), and a plug insert, wherein the protective conductor bridge (3) is retained on the housing (2), wherein the protective conductor bridge (3) has at least one connection region (9) for connecting to the plug insert, and the plug insert is retained on the at least one connection region (9).

IPC 8 full level
H01R 13/655 (2006.01); **H01R 13/432** (2006.01); **H01R 13/516** (2006.01)

CPC (source: EP US)
H01R 13/432 (2013.01 - EP US); **H01R 13/502** (2013.01 - US); **H01R 13/655** (2013.01 - EP US); **H01R 13/512** (2013.01 - EP); **H01R 13/516** (2013.01 - EP US); **H01R 13/53** (2013.01 - EP US); **H01R 24/22** (2013.01 - EP US); **H01R 24/30** (2013.01 - EP US)

Citation (examination)
• DE 102005019245 B3 20070301 - PC ELECTRIC GMBH [AT]
• DE 29602740 U1 19960411 - PHOENIX CONTACT GMBH & CO [DE]
• US 5234357 A 19930810 - YAMAGUCHI MASAO [JP]
• DE 2033011 A1 19720113 - SCHULTIUS BAYER ELEKTRO
• DE 102010017717 A1 20120105 - PHOENIX CONTACT GMBH & CO [DE]
• DE 102009055925 A1 20110601 - PHOENIX CONTACT GMBH & CO [DE]
• EP 1646118 A2 20060412 - PHOENIX CONTACT GMBH & CO [DE]

Citation (opposition)
Opponent : HARTING Electric GmbH & Co. KG
• DE 102009055925 A1 20110601 - PHOENIX CONTACT GMBH & CO [DE]
• EP 1646118 A2 20060412 - PHOENIX CONTACT GMBH & CO [DE]
• WO 2011069522 A1 20110616 - HARTING ELECTRIC GMBH & CO KG [DE], et al
• DE 29602740 U1 19960411 - PHOENIX CONTACT GMBH & CO [DE]
• EP 1052734 A1 20001115 - CONTACT GMBH [DE]
• DE 2719215 A1 19771117 - OLSSON GUNNAR
• DE 202007017892 U1 20080320 - HARTING ELECTRIC GMBH & CO KG [DE]
• DE 2330633 A1 19750109 - BUNKER RAMO
• HAN DATA SHEET 0345 - K 4/4, 27 March 2007 (2007-03-27)
• "Aus Kundenwünschen konkrete Lösungen entwickeln", HARTING NEUHEITEN, 28 March 2011 (2011-03-28), XP055773730

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 102012101813 B3 20130613; CN 104254949 A 20141231; CN 104254949 B 20171124; DE 202013012812 U1 20200116; DE 202013012813 U1 20200116; DE 202013012815 U1 20200116; DE 202013012817 U1 20200116; EP 2823536 A1 20150114; EP 2823536 B1 20201223; EP 3796482 A1 20210324; EP 3796482 B1 20230531; EP 4235976 A2 20230830; EP 4235976 A3 20230920; JP 2015509651 A 20150330; JP 2016186940 A 20161027; JP 6174759 B2 20170802; US 2015024621 A1 20150122; US 9368919 B2 20160614; WO 2013131918 A1 20130912

DOCDB simple family (application)
DE 102012101813 A 20120305; CN 201380011896 A 20130305; DE 202013012812 U 20130305; DE 202013012813 U 20130305; DE 202013012815 U 20130305; DE 202013012817 U 20130305; EP 13714560 A 20130305; EP 2013054410 W 20130305; EP 20204687 A 20130305; EP 23175513 A 20130305; JP 2014560337 A 20130305; JP 2016117198 A 20160613; US 201314383097 A 20130305