

Title (en)

ELECTRICAL PLUG-IN CONNECTION THAT CAN BE QUICKLY DISCONNECTED, FIXABLE PLUG-IN CONNECTION, AND METHOD FOR ESTABLISHING CONTACT BETWEEN AN ELECTRICAL CONTACT ELEMENT AND AN ELECTRICAL CONDUCTOR

Title (de)

SCHNELL-TRENNBARE ELEKTRISCHE STECKVERBINDUNG, FIXIERBARE STECKVERBINDUNG SOWIE VERFAHREN ZUR KONTAKTIERUNG EINES ELEKTRISCHEN KONTAKTELEMENTS MIT EINEM ELEKTRISCHEN LEITER

Title (fr)

LIAISON DE RACCORDEMENT ÉLECTRIQUE RAPIDEMENT DÉCONNECTABLE, LIAISON DE RACCORDEMENT IMMOBILISABLE AINSI QUE PROCÉDÉ DE MISE EN CONTACT D'UN ÉLÉMENT DE CONTACT ÉLECTRIQUE AVEC UN CONDUCTEUR ÉLECTRIQUE

Publication

EP 3465842 B1 20210721 (DE)

Application

EP 17725603 A 20170524

Priority

- DE 102016109882 A 20160530
- EP 2017062644 W 20170524

Abstract (en)

[origin: WO2017207402A1] The invention relates to a electrical plug-in connection (100) that can be quickly disconnected and comprises: a first coupling part (101), which comprises a first electrical contact element (1), a connection cable (10), an insulation sleeve (9), and a first housing (13); and a second coupling part (102), which has a second electrical contact element (7), onto which the first electrical contact element (1) can be slid, and a second housing (16), which together with the second electrical contact element (7) forms an annular space (28), into which the first housing (13) can be inserted.

IPC 8 full level

H01R 24/38 (2011.01); **H01R 11/28** (2006.01); **H01R 13/11** (2006.01); **H01R 13/639** (2006.01); **H01R 43/02** (2006.01)

CPC (source: EP KR US)

H01R 11/282 (2013.01 - EP KR US); **H01R 11/288** (2013.01 - EP KR); **H01R 13/111** (2013.01 - KR US); **H01R 13/506** (2013.01 - US); **H01R 43/26** (2013.01 - US); **H01R 13/111** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP KR US)

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 102016109882 A1 20171130; CN 109417254 A 20190301; CN 109417254 B 20201027; EP 3465842 A1 20190410; EP 3465842 B1 20210721; HU E056197 T2 20220128; JP 2019520671 A 20190718; JP 6682662 B2 20200415; KR 102194115 B1 20201222; KR 20190011271 A 20190201; PL 3465842 T3 20211227; US 10855007 B2 20201201; US 2020335886 A1 20201022; WO 2017207402 A1 20171207

DOCDB simple family (application)

DE 102016109882 A 20160530; CN 201780039654 A 20170524; EP 17725603 A 20170524; EP 2017062644 W 20170524; HU E17725603 A 20170524; JP 2018562526 A 20170524; KR 20187037315 A 20170524; PL 17725603 T 20170524; US 201716305063 A 20170524