

Title (en)

MULTIPOLE ELECTRIC PLUG CONNECTOR PART

Title (de)

MEHRPOLIGES ELEKTRISCHES STECKVERBINDETEIL

Title (fr)

ÉLÉMENT DE CONNECTEUR ÉLECTRIQUE ENFICHABLE MULTIPOLAIRE

Publication

EP 3127194 B1 20210526 (DE)

Application

EP 15741904 A 20150401

Priority

- DE 102014004832 A 20140402
- DE 102014015715 A 20141023
- EP 2015057248 W 20150401

Abstract (en)

[origin: WO2015150486A1] The invention relates to a multipole electric connector part having a connector housing and a protective cap that can be latched to the connector housing, said cap having an inlet opening and a fixing device for a plurality of connecting lines and at least one clamping element, wherein at least two clamping faces are arranged on the clamping body in an elastically springy or elastically resilient manner, and wherein connecting lines can be fixed by a force fit between the clamping faces of the clamping body and inner wall sections of the connector housing. The clamping element can in particular be formed as a resilient body or by clamping element sections integrally molded in a sprung manner on the protective cap.

IPC 8 full level

H01R 13/436 (2006.01); **H01R 13/52** (2006.01); **H01R 13/58** (2006.01)

CPC (source: CN EP KR US)

H01R 13/436 (2013.01 - CN EP KR US); **H01R 13/5205** (2013.01 - CN EP KR US); **H01R 13/5825** (2013.01 - CN EP KR US); **H01R 13/5837** (2013.01 - EP); **H01R 2201/26** (2013.01 - CN EP US)

Citation (examination)

US 7641503 B1 20100105 - VAN DER HORN ROBERT [NL], et al

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 102014015715 A1 20151008; BR 112016021190 A2 20170815; BR 112016021190 B1 20220426; CN 106104937 A 20161109; CN 106104937 B 20190628; EP 3127194 A1 20170208; EP 3127194 B1 20210526; ES 2883355 T3 20211207; JP 2017513197 A 20170525; JP 6482575 B2 20190313; KR 102226417 B1 20210311; KR 20160138473 A 20161205; MX 2016012811 A 20170427; MX 361110 B 20181127; US 2016344130 A1 20161124; US 9647371 B2 20170509; WO 2015150486 A1 20151008

DOCDB simple family (application)

DE 102014015715 A 20141023; BR 112016021190 A 20150401; CN 201580013077 A 20150401; EP 15741904 A 20150401; EP 2015057248 W 20150401; ES 15741904 T 20150401; JP 2016560483 A 20150401; KR 20167029181 A 20150401; MX 2016012811 A 20150401; US 201615231065 A 20160808