

Title (en)

CONTACT ELEMENT FOR AN ELECTRICAL PLUG CONNECTOR APPARATUS

Title (de)

KONTAKTELEMENT FÜR EINE ELEKTRISCHE STECKVERBINDERVORRICHTUNG

Title (fr)

ÉLÉMENT DE CONTACT POUR DISPOSITIF DE CONNEXION ÉLECTRIQUE ENFICHABLE

Publication

**EP 2676337 A1 20131225 (DE)**

Application

**EP 12731310 A 20120629**

Priority

- DE 202011103484 U 20110720
- DE 202011107633 U 20111109
- DE 102012002350 A 20120208
- EP 2012002757 W 20120629

Abstract (en)

[origin: WO2013010626A1] The invention relates to a contact element for an electrical plug connector apparatus, characterized in that the contact element comprises a shaped first end section (102) and a shaped elongate receiving section (101), which defines a longitudinal axis, for mechanically and electrically coupling or receiving a mating contact element, which is designed to complement the contact element, of a plug connector apparatus which is to be paired with the electrical plug connection apparatus, said plug connector/connection apparatuses being produced from an electrically conductive material. The elongate receiving section extends from the first end section in a substantially cylindrical manner. This end section and the elongate, cylindrical receiving section are formed by shaping the electrically conductive material by means of force which acts at least predominantly parallel to the longitudinal axis, without seams and sectional joints, and at least the receiving section which is formed by shaping the electrically conductive material forms a cylindrical interior space, which is surrounded by the shaped electrically conductive material, along the longitudinal axis.

IPC 8 full level

**H01R 43/16** (2006.01); **H01R 4/48** (2006.01)

CPC (source: EP US)

**H01R 4/023** (2013.01 - US); **H01R 4/48** (2013.01 - US); **H01R 4/48185** (2023.08 - US); **H01R 4/4846** (2023.08 - EP); **H01R 43/02** (2013.01 - US); **H01R 43/16** (2013.01 - EP US); **H01R 4/4833** (2023.08 - EP); **H01R 13/04** (2013.01 - EP)

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 102012002350 A1 20130124**; BR 112014000789 A2 20170214; BR 112014000789 B1 20220517; CN 103733446 A 20140416; CN 103733446 B 20170405; CY 1116605 T1 20170315; DK 2676337 T3 20150713; EP 2676337 A1 20131225; EP 2676337 B1 20150408; ES 2539406 T3 20150630; HR P20150551 T1 20150717; HU E025367 T2 20160229; PL 2676337 T3 20150930; PT 2676337 E 20150730; RS 54060 B1 20151030; SI 2676337 T1 20150831; SM T201500163 B 20150907; US 2014141659 A1 20140522; US 2016315400 A1 20161027; US 9407018 B2 20160802; US 9660358 B2 20170523; WO 2013010626 A1 20130124; WO 2013117207 A1 20130815

DOCDB simple family (application)

**DE 102012002350 A 20120208**; BR 112014000789 A 20120629; CN 201280035936 A 20120629; CY 151100545 T 20150625; DK 12731310 T 20120629; EP 12731310 A 20120629; EP 2012002757 W 20120629; EP 2012005065 W 20121207; ES 12731310 T 20120629; HR P20150551 T 20150525; HU E12731310 A 20120629; PL 12731310 T 20120629; PT 12731310 T 20120629; RS P20150370 A 20120629; SI 201230238 T 20120629; SM 201500163 T 20150706; US 201214125815 A 20120629; US 201615187481 A 20160620