

Title (en)
CONTACT ELEMENT AND PLUG CONNECTOR

Title (de)
KONTAKTELEMENT UND STECKVERBINDER

Title (fr)
ÉLÉMENT DE CONTACT ET CONNECTEUR

Publication
EP 3183779 B1 20181003 (DE)

Application
EP 15757119 A 20150812

Priority
• DE 102014112010 A 20140821
• DE 102014118688 A 20141215
• DE 2015100335 W 20150812

Abstract (en)
[origin: CA2956549A1] The invention relates to a contact element (100) for plug connectors (200), comprising plug contacts (112) arranged on the plug side and a crimp connection (132, 134) arranged on the cable connection side, and comprising at least one primary locking element and at least one secondary locking element, characterised in that: the plug contacts (112) and the crimp connection (132, 134) are offset from one another in an axially parallel manner; the at least one primary locking element has two locking springs (112) which act transversely in relation to the plugging direction (R), and which are mirror-symmetrically arranged in relation to a plugging means plane (E); and the at least one secondary locking element is arranged in the contact element (100) in a mirror-symmetric manner in relation to the plugging means plane (E), and has at least one secondary locking recess (124) running transversely in relation to the plugging direction.

IPC 8 full level
H01R 4/18 (2006.01); **H01R 13/432** (2006.01)

CPC (source: CN EP KR US)
H01R 4/185 (2013.01 - US); **H01R 13/432** (2013.01 - CN 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 102014118688 A1 20160225; BR 112017003282 A2 20171128; CA 2956549 A1 20160225; CA 2956549 C 20210316;
CN 106663890 A 20170510; CN 106663890 B 20200207; DK 3183779 T3 20190121; EP 3183779 A1 20170628; EP 3183779 B1 20181003;
ES 2704243 T3 20190315; IL 250403 A0 20170330; JP 2017524239 A 20170824; JP 3222628 U 20190815; KR 102220023 B1 20210225;
KR 20170040359 A 20170412; MX 2017001182 A 20170314; MX 367451 B 20190821; TW 201626649 A 20160716; TW I665833 B 20190711;
US 10044114 B2 20180807; US 2017271783 A1 20170921; WO 2016026483 A1 20160225

DOCDB simple family (application)
DE 102014118688 A 20141215; BR 112017003282 A 20150812; CA 2956549 A 20150812; CN 201580044780 A 20150812;
DE 2015100335 W 20150812; DK 15757119 T 20150812; EP 15757119 A 20150812; ES 15757119 T 20150812; IL 25040317 A 20170202;
JP 2017510392 A 20150812; JP 2019001789 U 20190521; KR 20177006938 A 20150812; MX 2017001182 A 20150812;
TW 104126147 A 20150811; US 201515504719 A 20150812