

Title (en)

ELECTRICAL CONNECTOR WITH A COMPENSATION UNIT

Title (de)

STECKVERBINDETEIL MIT EINER AUSGLEICHSEINRICHTUNG

Title (fr)

CONNECTEUR ÉLECTRIQUE AVEC UN DISPOSITIF DE COMPENSATION

Publication

EP 3245692 A1 20171122 (DE)

Application

EP 16700312 A 20160112

Priority

- DE 102015100452 A 20150114
- EP 2016050434 W 20160112

Abstract (en)

[origin: WO2016113238A1] A plug connector part (1) comprises a plug-in housing (20) which has at least one plug-in section (20, 21) which can be connected, in a manner inserted in an insertion direction (E), to a mating plug connector part (4) in order to establish electrical contact between the plug connector part (1) and the mating plug connector part (4). In addition, the plug connector part (1) has a compensation device (3) which is arranged on the plug-in housing (2) and which has a housing (30, 31), a carrier element (33) which is connected to the plug-in housing (20) and is arranged on the housing (30, 31), and a spring element (32) which prestresses the carrier element (33) in relation to the housing (30, 31), wherein the carrier element (33) can be moved relative to the housing (30, 31) with elastic deformation of the spring element (32). In this way, a plug connector part is provided which allows reliable compensation of position and/or angular deviations in relation to a desired position and a desired angle when said plug connector part is fitted to an associated mating plug connector part in a simple and cost-effective manner.

IPC 8 full level

H01R 13/71 (2006.01); **H01R 13/631** (2006.01); **H01R 13/64** (2006.01)

CPC (source: CN EP US)

H01R 13/6315 (2013.01 - CN EP US); **H01R 13/64** (2013.01 - CN EP US); **H01R 13/71** (2013.01 - CN EP US); **H01R 31/06** (2013.01 - CN US); **H01R 2201/26** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016113238A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102015100452 A1 20160714; CN 107112693 A 20170829; CN 107112693 B 20190813; EP 3245692 A1 20171122; EP 3245692 B1 20190102; US 10439328 B2 20191008; US 2018269631 A1 20180920; WO 2016113238 A1 20160721

DOCDB simple family (application)

DE 102015100452 A 20150114; CN 201680005724 A 20160112; EP 16700312 A 20160112; EP 2016050434 W 20160112; US 201615542943 A 20160112