

Title (en)

ELECTRICAL CONTACT PLUG AND PLUG HOUSING

Title (de)

ELEKTRISCHER KONTAKTSTECKER SOWIE STECKERGEHÄUSE

Title (fr)

CONNECTEUR ÉLECTRIQUE AINSI QUE BOÎTIER DE CONNECTEUR

Publication

**EP 2896093 A1 20150722 (DE)**

Application

**EP 13763183 A 20130826**

Priority

- DE 202012008868 U 20120915
- EP 2013002560 W 20130826

Abstract (en)

[origin: WO2014040699A1] The electrical contact plug (2) comprises a cable (12) connected thereto and having a plurality of conductor cores (14) and has a plug housing (6) which extends in the longitudinal direction (4) and extends from a front contact region (8) up to a rear insertion region (10). The cable (12) is introduced into the plug housing (6) in the rear insertion region (10) and is surrounded by an injection-moulding encapsulation (16). In order to avoid reliably the ingress of injection-moulding compound into the front contact region (8) during the injection-moulding operation, the plug housing (6) has a conical receptacle (18) in the rear insertion region (10), with a cone element (20) being formed as insert part in said conical receptacle, through which cone element the conductor cores (14) are passed individually. Reliable and safe sealing of the conductor cores (14) with respect to the contact region (8) is performed via the cone element (20).

IPC 8 full level

**H01R 13/405** (2006.01); **H01R 13/52** (2006.01); **H01R 13/56** (2006.01)

CPC (source: CN EP US)

**H01R 13/405** (2013.01 - US); **H01R 13/5205** (2013.01 - CN EP US); **H01R 13/521** (2013.01 - US); **H01R 13/562** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2014040699A1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014040699 A1 20140320**; CN 104813544 A 20150729; CN 104813544 B 20170412; EP 2896093 A1 20150722; EP 2896093 B1 20170802; EP 2896093 B8 20170906; KR 101768867 B1 20170817; KR 20150099506 A 20150831; US 2015263445 A1 20150917; US 9515404 B2 20161206

DOCDB simple family (application)

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