

Title (en)

PLUG CONNECTION DEVICE COMPRISING AT LEAST ONE PLUG CONNECTOR

Title (de)

STECKVERBINDUNGSVORRICHTUNG MIT WENIGSTENS EINEM STECKVERBINDER

Title (fr)

DISPOSITIF DE CONNEXION ENFICHABLE DOTÉ D'AU MOINS UN CONNECTEUR À FICHES

Publication

EP 3332451 A1 20180613 (DE)

Application

EP 17721686 A 20170505

Priority

- DE 102016108402 A 20160506
- DE 102016109266 A 20160520
- EP 2017060797 W 20170505

Abstract (en)

[origin: WO2017191309A1] The invention relates to a plug connection device comprising at least one plug connector (1). The plug connector (1) has a housing (3), at least one plug body (4) for connecting to an outer conductor (5) of a cable (6), and at least one inner conductor part (8) for connecting to an inner conductor (9) of the cable (6). The housing (3) has at least one receiving area (10) for inserting the at least one plug body (4). A contact element (13) is provided which can be plugged into the housing (3) such that a front region (13a) of the contact element (13) electrically contacts the outer periphery of the plug body (4) plugged into the housing (3). The contact element (13) is connected to a securing means (2) in an electrically conductive manner in order to establish a ground connection to another component (24) independently of the cable (6).

IPC 8 full level

H01R 4/64 (2006.01); **H01R 9/05** (2006.01); **H01R 13/436** (2006.01); **H01R 13/73** (2006.01)

CPC (source: EP KR US)

H01R 4/64 (2013.01 - EP KR US); **H01R 9/0512** (2013.01 - EP KR US); **H01R 9/0524** (2013.01 - US); **H01R 13/4361** (2013.01 - KR US); **H01R 13/73** (2013.01 - EP KR US); **H01R 24/56** (2013.01 - US); **H01R 9/0527** (2013.01 - US); **H01R 13/4361** (2013.01 - EP); **H01R 2103/00** (2013.01 - US); **H01R 2201/26** (2013.01 - 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102016109266 A1 20171109; CN 108780955 A 20181109; CN 108780955 B 20200626; EP 3332451 A1 20180613; EP 3332451 B1 20200729; EP 3719933 A1 20201007; EP 3719933 B1 20220622; JP 2019515457 A 20190606; KR 102210531 B1 20210201; KR 20190002429 A 20190108; US 10784615 B2 20200922; US 11942749 B2 20240326; US 2019058296 A1 20190221; US 2020403347 A1 20201224; WO 2017191309 A1 20171109

DOCDB simple family (application)

DE 102016109266 A 20160520; CN 201780016938 A 20170505; EP 17721686 A 20170505; EP 2017060797 W 20170505; EP 20176778 A 20170505; JP 2018557347 A 20170505; KR 20187026578 A 20170505; US 201715768934 A 20170505; US 202016990455 A 20200811