

Title (en)
PLUG CONNECTOR FOR MAKING SOLDER-FREE CONTACT WITH A COAXIAL CABLE

Title (de)
STECKVERBINDER ZUR LÖTFREIEN KONTAKTIERUNG EINES KOAXIALKABELS

Title (fr)
CONNECTEUR POUR UNE LIAISON SANS SOUDURE D'UN CÂBLE COAXIAL

Publication
EP 3271969 A1 20180124 (DE)

Application
EP 16710472 A 20160318

Priority
• DE 102015003579 A 20150319
• EP 2016056015 W 20160318

Abstract (en)
[origin: WO2016146828A1] The invention relates to a plug connector (1) having an outer conductor socket (6) to receive a coaxial cable (2). Furthermore, there is an inner conductor receiving element (8), which is used to receive an inner conductor (3) of the coaxial cable (2) and which is arranged in a centered manner within the outer conductor socket (6). The outer conductor socket (6) has at least one contact-making area (10), which is used to make electrical contact with an outer conductor (4) of the coaxial cable (2). The plug connector (1) additionally has at least one separating element (12), which is arranged within the outer conductor socket (6) in such a way that making electrical contact with the end of the outer conductor (4) of a coaxial cable (2) that can be or is inserted into the outer conductor socket (6) and the outer conductor socket (6) is prevented or suppressed, and that, in the plugged-in state, the contact-making area (10) is arranged in the outer conductor socket (6) in such a way that electrical contact can be or is made radially with the circumferential wall (22) adjoining the end, preferably can be or is made exclusively radially.

IPC 8 full level
H01R 9/05 (2006.01); **H01R 24/40** (2011.01); **H01R 103/00** (2006.01)

CPC (source: CN EP RU US)
H01R 9/05 (2013.01 - RU); **H01R 9/0503** (2013.01 - EP US); **H01R 9/0518** (2013.01 - CN US); **H01R 9/0521** (2013.01 - US); **H01R 9/0524** (2013.01 - CN EP US); **H01R 24/40** (2013.01 - US); **H01R 9/0503** (2013.01 - CN); **H01R 9/0521** (2013.01 - CN); **H01R 24/40** (2013.01 - CN EP); **H01R 2103/00** (2013.01 - CN EP 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)
WO 2016146828 A1 20160922; AU 2016232123 A1 20170921; CN 107408767 A 20171128; DE 102015003579 A1 20160922; EP 3271969 A1 20180124; EP 3271969 B1 20211201; JP 2018511916 A 20180426; KR 20170129869 A 20171127; RU 2017135086 A 20190405; RU 2017135086 A3 20190809; RU 2720062 C2 20200423; US 10128586 B2 20181113; US 2018062281 A1 20180301

DOCDB simple family (application)
EP 2016056015 W 20160318; AU 2016232123 A 20160318; CN 201680016636 A 20160318; DE 102015003579 A 20150319; EP 16710472 A 20160318; JP 2017549022 A 20160318; KR 20177030070 A 20160318; RU 2017135086 A 20160318; US 201615558387 A 20160318