Title (en)

COAXIAL PLUG-AND-SOCKET CONNECTOR

Title (de)

KOAXIALE STECKVERBINDUNG

Title (fr)

DISPOSITIF DE CONNEXION PAR ENFICHAGE COAXIAL

Publication

EP 1671401 B1 20190522 (DE)

Application

EP 04737074 A 20040621

Priority

- CH 2004000376 W 20040621
- CH 15902003 A 20030917

Abstract (en)

[origin: WO2005027275A1] The coaxial plug-and-socket connector is for high frequencies, particularly in the GHz range, and comprises a socket part (B) and a plug part (S) as well as an elastic electrical contact element (11). The contact element (11) connects the outer conductor of the socket part (B) to the outer conductor of the plug part (S) and is placed between the plug part (S) and the socket part (B). The contact element (11) comprises a number of elastic parts (13) that, while under radial elastic stress, form a contact point (16b) to the outer conductor of the socket part (B) and a contact point to the outer conductor of the plug part (S). Said contact points (16a, 16b) preferably lie in a plane running perpendicular to the longitudinal axis of the plug-and-socket connector and near a face (25) of the plug part (S). The connector is stable up to approximately 65 GHz.

IPC 8 full level

H01P 1/04 (2006.01); **H01R 13/646** (2011.01); **H01R 13/6583** (2011.01); **H01R 24/40** (2011.01); H01R 13/658 (2011.01); H01R 103/00 (2006.01)

CPC (source: EP US)

H01P 1/045 (2013.01 - EP US); **H01R 13/6583** (2013.01 - EP US); **H01R 24/40** (2013.01 - EP US); H01R 4/48 (2013.01 - EP); H01R 2103/00 (2013.01 - EP US)

Citation (examination)

US 2002004344 A1 20020110 - KEISER MARKUS [CH], et al

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DOCDB simple family (publication)

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DOCDB simple family (application)

CH 2004000376 W 20040621; CN 200480026950 A 20040621; EP 04737074 A 20040621; JP 2006526500 A 20040621; US 57069406 A 20060303