

Title (en)

Coaxial high frequency connecting device electrically connected to a conductor board

Title (de)

An einer Leiterplatte elektrisch angeschlossene koaxiale HF-Steckverbindungs-Einrichtung

Title (fr)

Dispositif de connexion coaxial haute fréquence connecté électriquement aux conducteurs d'une platine

Publication

EP 1801932 A1 20070627 (DE)

Application

EP 06024348 A 20061123

Priority

DE 202005020107 U 20051223

Abstract (en)

High frequency plug-type connector arrangement comprises coaxial plug-type connectors (19) arranged axis-parallel and consisting of fixed plug-type connector units (17) connected to a circuit board (9). The inner conductors of the plug-type connector are electrically connected to an outer conductor of the plug-type connector. Protrusions are immersed into recesses in the circuit board and are aligned parallel to the axial direction of the plug-type connector. The plug-type connector unit is positioned perpendicular to the plane of the circuit board. Preferred Features: The ends of the protrusions terminate in front of the plane of the upper side of the circuit board. The recesses are arranged in the circuit board so that a patch antenna is positioned between the recesses.

IPC 8 full level

H01R 13/646 (2011.01)

CPC (source: EP US)

H01Q 1/1214 (2013.01 - EP US); **H01Q 1/3275** (2013.01 - EP US); **H01R 24/50** (2013.01 - EP US); **H01R 13/518** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US); **H01R 2201/02** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

US 2007148996 A1 20070628; US 7252513 B1 20070807; AT E393485 T1 20080515; DE 202005020107 U1 20070215; DE 502006000690 D1 20080605; EP 1801932 A1 20070627; EP 1801932 B1 20080423; ES 2306346 T3 20081101

DOCDB simple family (application)

US 60438506 A 20061127; AT 06024348 T 20061123; DE 202005020107 U 20051223; DE 502006000690 T 20061123; EP 06024348 A 20061123; ES 06024348 T 20061123