Title (en)

Phase balancing means for a coaxial cable and connector therefore

Title (de)

Phasenabgleichverfahren für Koaxialkabel und zugehöriger Steckverbinder

Title (fr)

Asservissement de phase pour câble coaxial et connecteur associé

Publication

EP 1182744 B1 20040714 (DE)

Application

EP 01119232 A 20010809

Priority

DE 10040743 A 20000819

Abstract (en)

[origin: EP1182744A2] The method involves connecting a plug connector on one end of a coaxial cable to a phase meter, short circuiting it with a short circuit plug, clamping the connector and plug in a compression device whose ram acts axially on the shorting plug with the connector supported against its thrust block with its outer plug conductor on the cable side and reducing the cable electrical length with the compression device until reaching the measured value. The method involves connecting one plug connector on one end of a coaxial cable to a phase meter, short circuiting the connector with a short circuit plug (20), clamping the connector and short circuit plug in a compression device whose ram acts axially on the short circuit plug with the plug connector supported against its thrust block (10) with its outer plug conductor on the cable side (7b) and reducing the electrical length of the cable by operating the compression device until reaching the desired value measured by the phase meter. Independent claims are also included for the following: an adjustable length coaxial plug connector.

IPC 1-7

H01R 13/646

IPC 8 full level

H01R 13/646 (2011.01); **H01R 24/44** (2011.01)

CPC (source: EP US)

H01R 24/44 (2013.01 - EP US); H01R 2103/00 (2013.01 - EP US); Y10T 29/49002 (2015.01 - EP US); Y10T 29/49004 (2015.01 - EP US); Y10T 29/49123 (2015.01 - EP US); Y10T 29/49174 (2015.01 - EP US); Y10T 29/49194 (2015.01 - EP US)

Cited by

FR2915324A1; EP1983619A1; CN104335433A; EP2856575A4; US9787037B2; US7520779B2; WO2006021280A1

Designated contracting state (EPC)

FI FR GB IT SE

DOCDB simple family (publication)

EP 1182744 A2 20020227; **EP 1182744 A3 20030402**; **EP 1182744 B1 20040714**; CN 100423379 C 20081001; CN 1339852 A 20020313; US 2002090860 A1 20020711; US 2003003801 A1 20030102; US 6575785 B2 20030610; US 6722025 B2 20040420

DOCDB simple family (application)

EP 01119232 A 20010809; CN 01133905 A 20010817; US 22985602 A 20020828; US 93267501 A 20010817