

Title (en)
COAXIAL PLUG AND SOCKET DEVICE

Publication
EP 0116157 B1 19861008 (DE)

Application
EP 83112783 A 19831219

Priority
DE 8235915 U 19821221

Abstract (en)
[origin: US4561716A] An improved coaxial connector which has a first half with a first outer connector sleeve arranged therewith and a second half with a second outer connector sleeve arranged therewith. The first outer connector sleeve is divided by means of axis parallel slots into contact fingers which are evenly distributed over the circumference of the first sleeve. Each finger terminates with a projection at its free end so that all the projections define a ringshaped bead. In the unplugged condition of the connector the contact fingers are in exact parallel alignment with the longitudinal axis of the connector and they are not subjected to any prebending. The second sleeve is provided with a mouth section which has a conical opening. The contact fingers are inserted into the second sleeve by engaging the mouth section. The outside diameter of the projection of the contact fingers is larger than the inside diameter of the second conductor sleeve, but smaller than the maximum diameter of the mouth section. As the contact fingers are inserted into the second sleeve they are being bent inwardly. In this manner, the contact fingers of the first conductor sleeve can be produced without any prebending so that operations related to such prebending can be avoided. The projection of the contact fingers are laterally curved to match the inside contour of the second sleeve. Due to the obliqueness of the contact fingers in the plugged-in condition of the connector there is also capacitive compensation for inductive interference zones in the plug area.

IPC 1-7
H01R 17/12

IPC 8 full level
H01R 13/646 (2006.01); **H01R 24/02** (2006.01)

CPC (source: EP US)
H01R 24/40 (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0116157 A1 19840822; **EP 0116157 B1 19861008**; DE 3366779 D1 19861113; DE 8235915 U1 19830414; JP S59121789 A 19840713; JP S6117108 B2 19860506; US 4561716 A 19851231

DOCDB simple family (application)
EP 83112783 A 19831219; DE 3366779 T 19831219; DE 8235915 U 19821221; JP 23805183 A 19831219; US 55777183 A 19831202