

Title (en)

Coaxial contact assembly for captivating inner pin-socket electrical contacts.

Title (de)

Koaxiale Kontaktanordnung zum Festhalten der elektrischen Stift- und Buchsenkontakte an den Innenleitern.

Title (fr)

Assemblage de contact coaxial pour arrêter les contacts mâles et femelles électriques aux conducteurs centraux.

Publication

EP 0027680 A1 19810429 (EN)

Application

EP 80302242 A 19800702

Priority

US 8256679 A 19791009

Abstract (en)

An electrical contact assembly for terminating two coaxial cables, of which only one (24) is shown, enables the captivation of the inner socket contact (32). The contact assembly comprises a pin assembly and a socket assembly which, in mated condition, are in overlapping conductive relation. The following brief description concerns only the socket part of the assembly. The construction is true to the pin assembly as well. The socket assembly contains dielectric material (50,52) between the housing (40) and the inner conductor (30). The socket housing can admit a coaxial cable at the rear of the housing, the end of the inner conductor of the cable can enter a socket barrel (34), where it is held by a crimp. The end portion (48) of the outer conductor of the cable fits over a barrel (47) on the end of the housing; dielectric material (50) with said housing insulates the socket member from the respective housing and the dielectric within said housing extends underneath the respective end portion (48) of cable outer conductor and provides abutments (56,57) which bar cable inner dielectric from physical contact with the socket contact; ferrule crimp means (60) encircle the sandwich which is formed at the end of the contact assembly, where crimping of said ferrule captivates the socket contact against the pull of the cable inner dielectric and inner conductor.

IPC 1-7

H01R 17/12

IPC 8 full level

H01R 24/38 (2011.01); **H01R 9/05** (2006.01)

CPC (source: EP)

H01R 9/0518 (2013.01)

Citation (search report)

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