

Title (en)  
PLUGGABLE CONNECTOR AND METHOD OF CONNECTING IT

Publication  
**EP 0110823 B1 19880615 (DE)**

Application  
**EP 83810498 A 19831031**

Priority  
CH 685782 A 19821124

Abstract (en)  
[origin: US4545637A] A flexible coaxial cable has a special plug connector with a tensile strength comparable to that of the cable at the connecting point to the cable. This plug connector (14) consists of a nipple (1) which is threaded with a plug sleeve (3). Between these two plug elements is arranged a contact ring (2) which is soldered to the covering (23). This contact ring (2) includes a bore (13), through which the soldering can be optically controlled and the vapors can be vented during soldering. The end surfaces of the contact ring (2) and the cable dielectric (21) are face-turned. Accordingly, the cable lengths can also be precisely determined. The exposed inner conductor (20) is soldered to a plug pin (4). The plug dielectric (5), plug pin (4) and the plug housing (3) itself are held in rigid positions in the plug housing (3) by means of a bore (10) filled with epoxy resin (9) and by a constriction (11) in the plug pin (4). This plug connector (14) also permits a precise control of impedance adaptation during and after soldering.

IPC 1-7  
**H01R 17/12**

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

CPC (source: EP US)  
**H01R 24/44** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US); **Y10T 29/49123** (2015.01 - EP US); **Y10T 29/49179** (2015.01 - EP US)

Cited by  
FR2734970A1; EP0229549A1; FR2591040A1; DE102004031271A1; DE102004031271B4

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**EP 0110823 A2 19840613**; **EP 0110823 A3 19870204**; **EP 0110823 B1 19880615**; DE 3377097 D1 19880721; US 4545637 A 19851008; US 4615115 A 19861007

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**EP 83810498 A 19831031**; DE 3377097 T 19831031; US 55476483 A 19831123; US 76733885 A 19850821