

Title (en)
Electrical connector for coaxial cables.

Title (de)
Elektrischer Steckverbinder für Koaxialkabel.

Title (fr)
Connecteur électrique pour des câbles coaxiaux.

Publication
EP 0163361 A1 19851204 (EN)

Application
EP 85301008 A 19850215

Priority
US 59686184 A 19840404

Abstract (en)
The connector for splicing a plurality of coaxial cables (22, 24, 26) includes a cover (40) and a base (42). The cover has a plurality of U-shaped slots (44) for the receipt of the coaxial cables and an electrically conductive metallic shield connector (46) secured thereto. The metallic shield connector includes a plurality of electrically interconnected, downwardly extending, insulation piercing contacts (48) having cutting edges (50) for cutting through the outer insulating layers (22) of the coaxial cables and for physically and electrically contacting and for electrically interconnecting the metallic shields (32) of the coaxial cables. The base (42) includes an electrically insulating substrate (65) that has an electrically conductive central conductor connector (68) disposed thereon. The central conductor connector includes a plurality of electrically interconnected, upwardly extending, insulation piercing contacts (64) having cutting edges (66) for cutting through the inner insulating layers (30) of the coaxial cables which may be shaped as at 36 and for physically and electrically contacting and electrically interconnecting the central conductors (28) of the coaxial cables.

IPC 1-7
H01R 9/05; **H01R 17/12**

IPC 8 full level
H01R 4/24 (2006.01); **H01R 9/05** (2006.01); **H01R 9/053** (2006.01); **H01R 13/646** (2011.01)

CPC (source: EP)
H01R 9/0506 (2013.01); **H01R 2103/00** (2013.01)

Citation (search report)
• [Y] GB 1013499 A 19651215 - SPERRY RAND CORP
• [Y] US 3543222 A 19701124 - RHEINFELDER WILLIAM A
• [A] GB 2082850 A 19820310 - BUNKER RAMO
• [AD] US 4284316 A 19810818 - DEBAIGT JEAN

Cited by
EP0448230A3; US6443756B1; DE20001912U1; EP0419708A1; US5140172A; US10446953B1

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

DOCDB simple family (publication)
EP 0163361 A1 19851204; **EP 0163361 B1 19880203**; CA 1236190 A 19880503; DE 3561571 D1 19880310; JP S60227366 A 19851112; JP S6227506 B2 19870615

DOCDB simple family (application)
EP 85301008 A 19850215; CA 477478 A 19850326; DE 3561571 T 19850215; JP 6889885 A 19850401