

Title (en)
Coaxial connector

Title (de)
Koaxial-Steckverbinder

Title (fr)
Connecteur coaxial

Publication
EP 0942496 A3 20010801 (DE)

Application
EP 99104965 A 19990312

Priority
• DE 19810799 A 19980312
• DE 19815627 A 19980407

Abstract (en)
[origin: EP0942496A2] A coaxial plug-connector includes a plug with a front-end socket-plug part (1) and a counter-plug with a front-end pin-plug part (2), in which the inner conductor (5,12) is retained in the outer conductor (3,13) in an insulating material body (4,14). With the socket-plug part (1) joined together with the pin-plug part (2) of the counter-plug, the free inner-conductor ends of one side, and the free outer-conductor ends of the other side, are joined together to make contact under spring tension. At least one part of the inner conductor (5) of the plug comprises a leaf-spring (6) arranged within an insulating tube (7) concentrically aligned with the outer conductor (3), the insulating tube (7) being a finger-type tube extension of the insulating material body (4) jutting into the socket-plug part (1) of the plug, with the leaf-spring (6) bent once, twice or more along its length, normal to its leaf-spring plane. With the plug and counter-plug joined together, the plug pin (11) presses the leaf-spring (6), as a result of the latter's bent shape, against the near wall of the insulating material tube (7).

IPC 1-7
H01R 17/12

IPC 8 full level
H01R 13/646 (2011.01); **H01R 13/11** (2006.01)

CPC (source: EP)
H01R 24/50 (2013.01); **H01R 13/11** (2013.01); **H01R 2103/00** (2013.01)

Citation (search report)
• [A] US 5267871 A 19931207 - FLANAGAN JAMES R [US]
• [A] US 4633048 A 19861230 - KOMATSU YASUHIRO [JP]
• [A] US 5413502 A 19950509 - WANG TSAN-CHI [TW]
• [A] EP 0279359 A1 19880824 - HOSIDEN ELECTRONICS CO [JP]
• [A] DE 3341356 A1 19850523 - KATHREIN WERKE KG [DE]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0942496 A2 19990915; EP 0942496 A3 20010801; EP 0942496 B1 20040616; AT E269593 T1 20040715; DE 59909711 D1 20040722

DOCDB simple family (application)
EP 99104965 A 19990312; AT 99104965 T 19990312; DE 59909711 T 19990312