

Title (en)
Plug and socket connector

Title (de)
Steckverbindung

Title (fr)
Connecteur enfichable

Publication
EP 1249897 A1 20021016 (DE)

Application
EP 02007596 A 20020404

Priority
• DE 10117738 A 20010409
• US 11952102 A 20020409

Abstract (en)
The connector has a tubular metal socket sleeve (2) and a cylindrical plug part (1) with an inner metal sleeve (12) containing a light conductor (39), an electrical coil (40) and a surrounding ferrite housing (41) and a housing mantle (20) enclosing the inner metal sleeve, having an outer fixing ring (29). The socket sleeve contains a light conductor rod (34), enclosed by a ferrite core (35) and an electrical coil (36) and a ferrite end ring (37), a support part (16) of the inner metal sleeve of the plug part fitting into a guide part (4) of the socket sleeve and secured by the outer fixing ring.

Abstract (de)
Steckverbindung für eine Leitung, mit einer rohrförmigen Metallbuchse und einem ebenfalls rohrförmigen Steckerteil, wobei im Kupplungszustand eine Metallhülse des Steckerteils in der Metallbuchse gelagert ist und mindestens ein Schnapphaken des Steckerteils in eine Rastausnehmung der Metallbuchse eingreift. <IMAGE>

IPC 1-7
H01R 13/627

IPC 8 full level
H01R 13/627 (2006.01)

CPC (source: EP US)
H01R 13/6277 (2013.01 - EP US)

Citation (search report)
• [X] EP 1001497 A1 20000517 - DAMAR & HAGEN GMBH [DE]
• [X] US 3569903 A 19710309 - BRISHKA ALEXANDER R
• [A] GB 2092396 A 19820811 - BUNKER RAMO
• [A] EP 0050575 A1 19820428 - RADIALL SA [FR]
• [A] GB 1339801 A 19731205 - BUNKER RAMO
• [A] EP 1085615 A1 20010321 - INTERLEMO HOLDING SA [CH]

Cited by
US8853542B2; EP2437355A1; CN106303791A; US8419467B2; US8529288B2; US9917394B2; US10847925B2; EP2142951B1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1249897 A1 20021016; EP 1249897 B1 20070103; AT E350784 T1 20070115; DE 10117738 C1 20021017; DE 50209121 D1 20070215; ES 2278829 T3 20070816; US 2003190834 A1 20031009; US 6942520 B2 20050913

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