

Title (en)

Plug part of an electric plug connector for high frequency data transmission over electrical conductors

Title (de)

Steckverbindungsteil für hochfrequente Datenübertragung über elektrische Leiter

Title (fr)

Partie de connecteur électrique à fiches pour la transmission de données a haute fréquence sur des conducteurs électriques

Publication

**EP 0991149 A3 20010502 (DE)**

Application

**EP 99118824 A 19990923**

Priority

CH 198998 A 19980930

Abstract (en)

[origin: EP0991149A2] The plug connector part has contacts connected to the separated ends of the twisted pair cables for reversible connection to corresponding contacts in a complementary part in the plug connector. The separated cables of the twisted wire pairs are fed directly in the cable outlet region, in a defined sequence, in parallel. This is in two planes and at a defined distance apart into a non-conducting contact housing (11) that can be installed in the contact plug. Here the cables are connected to the contacts (1' to 8') via insulation removal contact elements (9).

IPC 1-7

**H01R 24/04**; **H01R 24/00**; **H01R 4/24**; **H01R 13/46**

IPC 8 full level

**H01R 4/24** (2006.01); **H01R 24/00** (2006.01); **H01R 24/64** (2011.01); **H01R 13/6464** (2011.01); **H01R 107/00** (2006.01)

CPC (source: EP US)

**H01R 4/2429** (2013.01 - EP US); **H01R 24/64** (2013.01 - EP US); **H01R 13/6464** (2013.01 - EP US)

Citation (search report)

- [PX] EP 0899833 A2 19990303 - LUCENT TECHNOLOGIES INC [US]
- [X] WO 9813899 A1 19980402 - PANDUIT CORP [US]
- [A] US 4296988 A 19811027 - WARNER GARY N

Cited by

DE102006039799B3; CN103618165A; US7572140B2; US7857655B2; US7249979B2; EP2672576A2; US7540789B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0991149 A2 20000405**; **EP 0991149 A3 20010502**; **EP 0991149 B1 20040825**; CH 695034 A5 20051115; CN 1205696 C 20050608; CN 1252633 A 20000510; DE 59910330 D1 20040930; JP 2000113941 A 20000421; TW 424353 B 20010301; US 2001044232 A1 20011122

DOCDB simple family (application)

**EP 99118824 A 19990923**; CH 198998 A 19980930; CN 99120837 A 19990929; DE 59910330 T 19990923; JP 27930099 A 19990930; TW 88115789 A 19990914; US 40998399 A 19990930