

Title (en)

Plug connection between backplane and printed circuits.

Title (de)

Steckverbindung zwischen Rückwandleiterplatten und Baugruppenleiterplatten.

Title (fr)

Connexion à fiche entre panneaux arrières et circuits imprimés.

Publication

**EP 0680117 A3 19970326 (DE)**

Application

**EP 95105315 A 19950407**

Priority

DE 4415171 A 19940429

Abstract (en)

[origin: EP0680117A2] The plug connection provides an electrical connection between back panel circuit boards and module circuit boards (7). The plug connection includes a connector strip (8) formed as a rectangular housing open on one side, for plugging into the male contacts of a back panel circuit boards. It also includes a contact strip (1) which plugs into the connector strip. This has chambers with contact springs and is fixedly connected to a module circuit board. The male and female connectors are arranged in parallel rows. The individual contact passages are surrounded by electrically conductive screen plates (2). These are connected to contacts. On the module side, the connector ends (6) of the screen plates (2) and connector ends (6) of the contact springs are bent in the non-installed state to provide a voltage. Both the screen plates perpendicular to the circuit board (7) and the parts of the contact springs perpendicular to the circuit board (7) are curved. Connector eyes (5) are provided on the circuit board (7) opposite the connector ends (6). The plug connector strip (1) is mechanically fastened at several points to the circuit board (7). <IMAGE>

IPC 1-7

**H01R 23/70**; **H01R 23/68**

IPC 8 full level

**H01R 12/50** (2011.01)

CPC (source: EP US)

**H01R 12/712** (2013.01 - EP US); **H01R 12/737** (2013.01 - EP US); **H01R 13/6585** (2013.01 - EP US); **H01R 12/707** (2013.01 - EP US)

Citation (search report)

- [A] US 4199209 A 19800422 - CHERIAN GABRIEL B [US], et al
- [A] US 3960424 A 19760601 - WEISENBURGER LAWRENCE PAUL
- [AX] EP 0555933 A1 19930818 - DU PONT [US]

Cited by

CN112636092A

Designated contracting state (EPC)

DE FR GB NL SE

DOCDB simple family (publication)

**EP 0680117 A2 19951102**; **EP 0680117 A3 19970326**; CA 2148041 A1 19951030; JP H07302656 A 19951114; US 5639263 A 19970617

DOCDB simple family (application)

**EP 95105315 A 19950407**; CA 2148041 A 19950427; JP 10110195 A 19950425; US 42405695 A 19950419