

Title (en)  
Multipole plug connector

Title (de)  
Vielpoliger Steckverbinder

Title (fr)  
Connecteur à fiche multipolaire

Publication  
**EP 0844701 A3 19991201 (DE)**

Application  
**EP 97116521 A 19970923**

Priority  
DE 19648710 A 19961125

Abstract (en)  
[origin: DE19648710C1] The plug connector has a connector housing and a plug (11) with three contact blades (12, 13, 14). There are also cable terminals (39) and at least one electric component between one of the contact blades and one of the terminals. A first contact blade (12) is connected by means of a first electric conductor element (36) to a first cable terminal (39). A second contact blade (13) is connected, by means of a second electric conductor element (41), with a second cable terminal (44). A third contact blade (14) is joined by a third electric conductor element (45) and via a micro-temperature fuse (19) connected in series with a helical resistor (20), with the second electric conductor element (41). A terminal cable (17, 18) leading to the electric load (3) may be soldered to each of the first and the second cable terminal (39, 44). A protective frame (51) may be attached to the connector housing (23), and surrounds the fuse (19) and the resistor (20). The connector housing (23) is preferably made of plastic and may have an S-shaped holding tongue for fastening to a carrier.

IPC 1-7  
**H01R 23/10**

IPC 8 full level  
**H01R 9/24** (2006.01); **H01R 13/66** (2006.01); **H01R 24/14** (2006.01); **H02K 5/00** (2006.01); **H02K 5/22** (2006.01); **H02K 11/00** (2006.01); **H01R 13/68** (2011.01)

CPC (source: EP US)  
**H01R 9/2491** (2013.01 - EP US); **H01R 24/66** (2013.01 - EP US); **H01R 13/6616** (2013.01 - EP US); **H01R 13/68** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Citation (search report)  
• [A] EP 0588395 A2 19940323 - GEN MOTORS CORP [US]  
• [A] WO 9113478 A1 19910905 - SIEMENS AG [DE]

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DOCDB simple family (publication)  
**DE 19648710 C1 19980219**; DE 59710164 D1 20030703; EP 0844701 A2 19980527; EP 0844701 A3 19991201; EP 0844701 B1 20030528; US 5902153 A 19990511

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