

Title (en)
Electric connector

Title (de)
Elektrischer Steckverbinder

Title (fr)
Connecteur électrique

Publication
EP 1096621 A1 20010502 (EN)

Application
EP 00123864 A 20001102

Priority
JP 31050699 A 19991101

Abstract (en)
An electric connector 20 comprises a first connector 23 including a plurality of signal terminals and mounted on a main print circuit board 21, a second connector 24 including three connecting pins 24a, 24b and 24c arranged at regular intervals, the first and third connecting pins 24a and 24c being connected to two signal terminals 23d and 23e to be switched in the first connector and a signal to be switched being supplied to the first and third connecting pins through normally-closed contacts 25a and 25b and directly to the second connecting pin 24b, and an auto fuse 30 including two contacts 32 and 33 arranged at a regular interval to be selectively engaged with two continuous connecting pins on one of sides or the other side of the second connector, the two contacts being electrically connected to each other, and serving to open the normally-closed contact coming in contact with the first or third connecting pin when being engaged with the second connector, wherein the two signal terminals 23d and 23e to be switched in the first connector and the first and third connecting pins 24a and 24c of the second connector are mounted on a sub-print circuit board 31 including connecting patterns 31a and 31b to be connected to each other. <IMAGE>

IPC 1-7
H01R 29/00; **H01R 31/08**

IPC 8 full level
H01R 24/00 (2006.01); **H01R 12/71** (2011.01); **H01R 29/00** (2006.01); **H01R 31/00** (2006.01); **H01R 13/68** (2011.01); **H01R 13/703** (2006.01); **H01R 31/06** (2006.01)

CPC (source: EP)
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Citation (search report)

- [A] EP 0951103 A2 19991020 - MITSUMI ELECTRIC CO LTD [JP]
- [A] EP 0520284 A2 19921230 - YAZAKI CORP [JP]
- [A] US 3957333 A 19760518 - KAMINSKI DAVID C
- [A] US 5443389 A 19950822 - HUGHES MICHAEL T [US]

Designated contracting state (EPC)
DE FR

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