

Title (en)

Apparatus for simultaneously connecting and disconnecting a large number of plug connections.

Title (de)

Vorrichtung zum gleichzeitigen Herstellen bzw. Lösen einer Vielzahl von Steckkontaktverbindungen.

Title (fr)

Appareil pour établir et séparer simultanément une multitude de connexions de contact.

Publication

EP 0022194 A1 19810114 (DE)

Application

EP 80103385 A 19800618

Priority

US 5349879 A 19790629

Abstract (en)

[origin: US4260210A] A pluggable module actuation and retention device comprising a spring housing fastened to a printed circuit board and having openings which contain a matrix of contact springs extending from said board. A bail retaining latch is fastened to the spring housing and an actuator bail is pivotally mounted on the spring housing and has an opening which overlies the openings in the spring housing. A module to be actuated and retained has a matrix of pins corresponding to the matrix of contact springs and is provided with actuator tabs. Actuator tab mating means are provided on the spring housing for engaging the module actuator tabs when a module is inserted through the opening in the actuator bail to align the matrix of pins with the matrix of contact springs. Camming means on the actuator bail are effective when the bail is pivoted in one direction to engage the actuator tabs and slide the module to move the matrix of pins on the module into engagement with the matrix of contact springs. Arm portions on the bail are engaged by the bail retaining latch when the pins and contact springs are engaged.

Abstract (de)

Der Modul (34) mit matrixartig angeordneten Steckerstiften wird, nachdem er auf die Schaltungsplatte (18) aufgesetzt worden ist, mittels einer an einem Federgehäuse (24) schwenkbar gelagerten Betätigungsschwinge (36) flächenparallel so verschoben, daß die Steckerstifte von der Seite in die in einer entsprechenden Matrix (18) angeordneten Steckerklappen eingeführt werden. Dabei dienen Führungsnuten (32, 33) und Führungsansätze (51, 52) zur exakten Ausrichtung des Moduls (34) in Bezug auf die Schaltungsplatte (18), und ein Riegel (25) am Federgehäuse (24) bewirkt die Verriegelung der Betätigungsschwinge (36) in der Kontaktstellung.

IPC 1-7

H01R 23/72; H05K 13/04; H01R 43/00

IPC 8 full level

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CPC (source: EP US)

H01R 12/88 (2013.01 - EP US); **H01R 12/716** (2013.01 - EP US); **H01R 13/62933** (2013.01 - EP US)

Citation (search report)

- DE 2849418 A1 19790531 - AMP INC
- DE 2808092 A1 19780831 - BUNKER RAMO
- DE 2332556 A1 19750116 - IBM
- DE 2720943 A1 19771201 - IBM

Cited by

GB2157925A; EP0153990A1; EP0385750A1

Designated contracting state (EPC)

DE FR GB

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EP 0022194 A1 19810114; **EP 0022194 B1 19830928**; DE 3065037 D1 19831103; JP S567370 A 19810126; JP S5760758 B2 19821221; US 4260210 A 19810407

DOCDB simple family (application)

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