

Title (en)

Device for contacting a circuit board by means of a connector

Title (de)

Vorrichtung zum Kontaktieren einer Leiterplatte mittels eines Steckverbinders

Title (fr)

Dipositif pour contacter une plaque de circuit au moyen d'un connecteur

Publication

EP 1536525 B1 20150401 (DE)

Application

EP 04022417 A 20040921

Priority

DE 10355456 A 20031127

Abstract (en)

[origin: EP1536525A2] The circuit board contacting device uses a plug-in connector (6), provided with spring contacts (9) in correspondence with the circuit board contact pads (4a,...), extending in one or more rows, with retaining elements (14) securing the plug-in connector in position on the surface of the circuit board provided by the plug-in connector housing, or by fixing blocks (12) mounted on the circuit board, e.g. at opposite ends of the contact pad row(s). An independent claim for a method for contacting a circuit board using a plug-in connector is also included.

IPC 8 full level

H01R 12/16 (2006.01); **H01R 12/22** (2006.01); **H01R 12/32** (2006.01); **H01R 12/55** (2011.01); **H01R 12/70** (2011.01); **H01R 12/71** (2011.01); **H01R 13/62** (2006.01); **H01R 13/74** (2006.01); **H01R 12/24** (2006.01)

CPC (source: EP US)

H01R 12/7017 (2013.01 - EP US); **H01R 12/79** (2013.01 - EP US); **Y10S 439/953** (2013.01 - EP US)

Citation (examination)

- US 4871315 A 19891003 - NOSCHES ROCCO [US]
- US 5704807 A 19980106 - SHERMAN MELISSA ANN [US], et al
- US 3436715 A 19690401 - MATTHEWS BENJAMIN WILLIAM
- US 5997329 A 19991207 - KOSMALA MICHAEL LAWRENCE [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1536525 A2 20050601; **EP 1536525 A3 20060301**; **EP 1536525 B1 20150401**; CN 1330055 C 20070801; CN 1622397 A 20050601; DE 10355456 A1 20050630; ES 2540744 T3 20150713; US 2005118854 A1 20050602; US 7066756 B2 20060627

DOCDB simple family (application)

EP 04022417 A 20040921; CN 200410092510 A 20041110; DE 10355456 A 20031127; ES 04022417 T 20040921; US 98149504 A 20041105