

Title (en)

Electric connector, especially for circuit boards

Title (de)

Elektrischer Steckverbinder insbesondere für Leiterplatten

Title (fr)

Connecteur électrique, notamment pour des plaquettes de circuits

Publication

EP 0735616 A3 19970319 (DE)

Application

EP 96105169 A 19960401

Priority

DE 29506085 U 19950331

Abstract (en)

[origin: EP0735616A2] The electrical plug in connector for circuit boards (5) is applied end-on to the board and has a number of parallel connection points. Inset into the body (2) of the rectangular section connector are a number of metal leaf spring elements (3) that apply a retaining force to the board and also engage wires (40) that have the insulation removed from the tips. The connector housings have formed lugs (42) that locate in register slots (43) in the circuit board.

IPC 1-7

H01R 9/00

IPC 8 full level

H01R 12/79 (2011.01); **H01R 4/48** (2006.01); **H01R 12/72** (2011.01)

CPC (source: EP)

H01R 4/4821 (2023.08); **H01R 12/79** (2013.01); **H01R 4/4842** (2023.08); **H01R 4/485** (2023.08); **H01R 12/721** (2013.01)

Citation (search report)

- [YD] US 3360767 A 19671226 - BROWN ALBERT C, et al
- [Y] US 5061203 A 19911029 - ALLGOOD CHRISTOPHER L [US], et al
- [A] EP 0246199 A2 19871119 - GIBI ELETTRIO SRL [IT]
- [A] EP 0361370 A2 19900404 - AMPHENOL TUCHEL ELECT [DE]
- [A] US 3069652 A 19621218 - PETER GRECO
- [A] US 5401185 A 19950328 - WANG KUO-LONG [TW], et al

Cited by

DE112006003111B4; EP0964478A3; CN114725868A; CN104025226A; EP2800115A4; EP4231459A1; EP0800233A1; KR100406764B1; DE19710422C1; EP0865105A1; EP1850418A3; EP2246938A1; DE102007018443B4; DE19803085A1; US6109952A; DE19710306A1; DE19710306C2; EP4089844A1; US7004781B2; EP1850418A2; US7704095B2; US9251954B2; EP1645175A1; WO2022238262A1

Designated contracting state (EPC)

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