

Title (en)

Electrical connection arrangement for a circuit board

Title (de)

Elektrische Anschlusseinrichtung für eine Leiterplatte

Title (fr)

Dispositif de raccordement électrique pour carte de circuit

Publication

EP 1780837 A3 20080305 (DE)

Application

EP 06020989 A 20061006

Priority

DE 202005017012 U 20051029

Abstract (en)

[origin: CA2565279A1] In an electric connector on a printed circuit board (20) that features a connector part (1) acted upon with relatively high electric voltage values, spark--overs between the continuing strip conductors arranged on the printed circuit board and the soldering points (22) of the electric contacts (8) are prevented by providing a snap-on element (10) with several chambers (13) in the connector part (1), wherein the chamber walls (12) of this snap-on element can be inserted into slots (23) arranged in the printed circuit board (20), and wherein the chambers respectively enclose the soldering point of one of the electric contacts in the connector part.

IPC 8 full level

H01R 13/53 (2006.01); **H01R 12/04** (2006.01); **H01R 12/55** (2011.01); **H01R 33/76** (2006.01)

CPC (source: EP US)

H01R 12/58 (2013.01 - EP US); **H01R 12/707** (2013.01 - EP US); **H01R 12/7088** (2013.01 - EP US); **Y10S 439/934** (2013.01 - EP US)

Citation (search report)

- [XA] US 5417594 A 19950523 - HERMAN WALLACE U [US], et al
- [XA] US 5336116 A 19940809 - BOTELER WILLIAM C [US]
- [A] US 6345997 B1 20020212 - SHON YOUNG-KI [KR]

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Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

DE 202005017012 U1 20060112; CA 2565279 A1 20070429; CA 2565279 C 20091229; CN 1956271 A 20070502; CN 1956271 B 20101103; EP 1780837 A2 20070502; EP 1780837 A3 20080305; EP 1780837 B1 20130410; JP 2007123899 A 20070517; JP 4299330 B2 20090722; US 2007099497 A1 20070503; US 7344395 B2 20080318

DOCDB simple family (application)

DE 202005017012 U 20051029; CA 2565279 A 20061023; CN 200610142853 A 20061027; EP 06020989 A 20061006; JP 2006291409 A 20061026; US 54876206 A 20061012