

Title (en)
press-fit contact with crimping arm for a printed circuit board

Title (de)
Einpresskontakt mit einem Crimpflügel für eine Leiterplatte

Title (fr)
Contact à insérer avec un bras de sertissage pour circuit imprimé

Publication
EP 1791215 A3 20070829 (DE)

Application
EP 06024176 A 20061122

Priority
DE 102005056386 A 20051124

Abstract (en)
[origin: EP1791215A2] The contact (1) has a pressing area (3) electrically contactable with a track of a printed circuit board and insertable and fixable in an opening of the board. The pressing area has a slot (4) in an area of the opening, where the slot and a side piece (7) formed in the slot are dimensioned in such a manner that the side piece is attached to inner surfaces of the opening under pre-stressing after pressing the contact into the opening. A contacting area (5) fixes and electrically contacts ends of an electric conductor of a cable.

IPC 8 full level
H01R 4/18 (2006.01); **H01R 12/34** (2006.01); **H01R 12/58** (2011.01); **H01R 4/16** (2006.01)

CPC (source: EP US)
H01R 4/184 (2013.01 - EP US); **H01R 12/585** (2013.01 - EP US); **H01R 4/16** (2013.01 - EP US)

Citation (search report)

- [X] JP 2004236416 A 20040819 - SUMITOMO WIRING SYSTEMS
- [X] DE 2514686 A1 19751016 - MOLEX INC
- [X] US 5575666 A 19961119 - DENT PETER [GB]
- [X] US 4721471 A 19880126 - MUELLER ARTHUR L [US]
- [X] EP 0913879 A2 19990506 - MECANISMOS AUX IND [ES]
- [X] DE 19825684 A1 19991216 - ITT MFG ENTERPRISES INC [US]

Cited by
US8632346B2; US9368886B2; CN102239601A; EP2899812A1; WO2010063459A1; WO2011033128A1

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)
EP 1791215 A2 20070530; EP 1791215 A3 20070829; US 2007123083 A1 20070531; US 7344388 B2 20080318

DOCDB simple family (application)
EP 06024176 A 20061122; US 60327006 A 20061121