

Title (en)
MINIATURIZED SPRING CONTACT PLUG

Publication
EP 0311769 A3 19900502 (DE)

Application
EP 88113203 A 19880813

Priority
• DE 3734654 A 19871013
• DE 8713759 U 19871013

Abstract (en)
[origin: US4915645A] Miniaturized contact spring plug with one or more contact elements having a spring contact area and a cable terminal area with a base web and tab-shaped two-peaked penetration terminal as well as a casing with a cover which are assembled and locked together after insertion of the contact element(s), and after insertion of the flat wire conductor(s) they are brought into a final locking position in which case the penetration terminals penetrate through the cable insulation and establish contact with the flat wire conductors and are locked securely in the cover to the casing while the insulation displacement terminal holds the insulation in a tension relief manner, characterized in that the base web and the lacing web are made of one piece and are aligned vertically in the contact element, and the casing is designed in such a way that it is very small and can be locked together very well.

IPC 1-7
H01R 4/24; **H01R 13/506**

IPC 8 full level
H01R 4/48 (2006.01); **H01R 13/436** (2006.01); **H01R 13/506** (2006.01); **H01R 24/38** (2011.01); **H01R 4/24** (2006.01); **H01R 13/11** (2006.01)

CPC (source: EP US)
H01R 13/4361 (2013.01 - EP US); **H01R 13/506** (2013.01 - EP US); **H01R 4/242** (2013.01 - EP US); **H01R 4/2445** (2013.01 - EP US); **H01R 13/11** (2013.01 - EP US)

Citation (search report)
• [YD] EP 0141091 A2 19850515 - GROTE & HARTMANN [DE]
• [Y] WO 8701518 A1 19870312 - AMP INC [US]
• [A] US 4441778 A 19840410 - SAMPSON STEPHEN A [US]

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EP0711002A3; EP0678932A1; AU670899B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
US 4915645 A 19900410; DE 3734654 A1 19890427; DE 3734654 C2 19921217; DE 8713759 U1 19890209; EP 0311769 A2 19890419; EP 0311769 A3 19900502; JP H01143162 A 19890605; ZA 886202 B 19890530

DOCDB simple family (application)
US 22170688 A 19880720; DE 3734654 A 19871013; DE 8713759 U 19871013; EP 88113203 A 19880813; JP 25835288 A 19881013; ZA 886202 A 19880822