

Title (en)
Electrical contact element

Title (de)
Elektrisches Kontaktelement

Title (fr)
Element de contact électrique

Publication
EP 1317019 A3 20040204 (DE)

Application
EP 02025355 A 20021114

Priority
DE 20119530 U 20011201

Abstract (en)
[origin: US2003104732A1] For use in already known plug connections, an electrical contact element is proposed that can be formed as a socket contact or as a pin contact and is provided with a plug region and a terminal end, a sleeve being capable of being screwed onto the terminal end of the contact element. The sleeve has inwardly directed spring arms that enter into a conical bore in the terminal end. Positioned between said spring arms is an electrical conductor, the spring arm tips exerting a force-locking wedge action on the electrical conductor to an ever greater extent, the further the sleeve is screwed onto the terminal end.

IPC 1-7
H01R 4/10

IPC 8 full level
H01R 4/48 (2006.01); **H01R 4/50** (2006.01); **H01R 4/52** (2006.01); **H01R 4/56** (2006.01)

CPC (source: EP US)
H01R 4/48185 (2023.08 - US); **H01R 4/4848** (2023.08 - EP); **H01R 4/489** (2013.01 - EP US); **H01R 4/5025** (2013.01 - EP US); **H01R 24/28** (2013.01 - EP US); **H01R 4/4821** (2023.08 - EP); **H01R 2101/00** (2013.01 - EP US)

Citation (search report)

- [A] US 2959766 A 19601108 - EDWIN JACOBSEN
- [A] GB 245586 A 19260114 - EDMUND MACKENZIE TAUNTON

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
US 2003104732 A1 20030605; US 6827613 B2 20041207; AT E365384 T1 20070715; DE 20119530 U1 20020418; DE 50210342 D1 20070802; EP 1317019 A2 20030604; EP 1317019 A3 20040204; EP 1317019 B1 20070620; ES 2289040 T3 20080201; JP 2003168498 A 20030613; JP 3899310 B2 20070328

DOCDB simple family (application)
US 30056202 A 20021120; AT 02025355 T 20021114; DE 20119530 U 20011201; DE 50210342 T 20021114; EP 02025355 A 20021114; ES 02025355 T 20021114; JP 2002350096 A 20021202