

Title (en)
Dual material electrical contact

Title (de)
Elektrischer Kontakt aus zwei Werkstoffen

Title (fr)
Contact électrique à double matériau

Publication
EP 0694991 A1 19960131 (EN)

Application
EP 95111774 A 19950726

Priority
GB 9415160 A 19940727

Abstract (en)
An electrical receptacle terminal (2) comprises a wire connection section (6) and a contact section (4). The wire connection section (6) is for crimping to a conducting wire by way of a crimp barrel (8) and strain relief crimp arms (10). The connection section (6) further comprises an attachment portion (14) for interference fit or laser weld connection to the contact section (4). The connection section material is chosen for optimal crimping to conducting wires, and the contact section (4) can be chosen as a resilient material for high contact pressure against a mating terminal and high strength of the locking lances (22). The two part terminal thus allows optimal choice of materials for the required functions of high contact pressure or good crimping qualities in a very compact, cost-effective design. <MATH>

IPC 1-7
H01R 13/03

IPC 8 full level
H01R 13/11 (2006.01); **H01R 13/03** (2006.01); **H01R 13/115** (2006.01); **H01R 13/20** (2006.01); **H01R 43/16** (2006.01); **H01R 4/18** (2006.01)

CPC (source: EP KR)
H01R 13/03 (2013.01 - EP); **H01R 13/112** (2013.01 - EP); **H01R 13/15** (2013.01 - KR); **H01R 13/2407** (2013.01 - KR); **H01R 13/2464** (2013.01 - KR); **H01R 43/16** (2013.01 - EP); **H01R 4/185** (2013.01 - EP)

Citation (search report)
• [XY] GB 2030794 A 19800410 - GEN MOTORS CORP
• [Y] EP 0127195 A1 19841205 - AMP INC [US]
• [A] EP 0552741 A2 19930728 - WHITAKER CORP [US]

Cited by
EP1744406A1; DE10163228A1; EP1548891A1; US7261604B2

Designated contracting state (EPC)
DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0694991 A1 19960131; GB 9415160 D0 19940914; JP H0864286 A 19960308; KR 960006150 A 19960223

DOCDB simple family (application)
EP 95111774 A 19950726; GB 9415160 A 19940727; JP 21112595 A 19950727; KR 19950021470 A 19950721