

Title (en)

IMPROVEMENTS IN ELECTRICAL CONTACT MEMBERS AND ELECTRICAL CONNECTOR ASSEMBLIES

Publication

EP 0109297 B1 19870121 (EN)

Application

EP 83306927 A 19831114

Priority

GB 8232699 A 19821116

Abstract (en)

[origin: EP0109297A1] An electrical connector assembly comprises a dielectric housing (30) fitted with unitary electrical contact members (32) each for terminating an insulated conductor (18). Each contact member (32) includes a body member (48) supporting a pair of parallel spaced apart plate portions (50), each having an insulation displacement slot (52) which establishes contact with a conductor (18) such that the longitudinal axis of the conductor is orientated normally of the plate portions. First contact fingers (58) extending from the body member (48) co-operate with second contact fingers (56) depending from the plate portions (50) to form a receptacle (70) for establishing a biased connection with a pin terminal (22). The configuration of the contact fingers (56, 58) is such that the pin terminal (22) has its longitudinal axis orientated parallel to the conductor (18) resulting in a highly compact arrangement suitable for miniature electrical contact members and electrical connector assemblies.

IPC 1-7

H01R 4/24

IPC 8 full level

H01R 4/24 (2006.01); **H01R 11/18** (2006.01); **H01R 4/02** (2006.01); **H01R 13/11** (2006.01); **H01R 13/115** (2006.01); **H01R 13/506** (2006.01); **H01R 31/06** (2006.01)

CPC (source: EP)

H01R 4/2466 (2013.01); **H01R 4/02** (2013.01); **H01R 13/111** (2013.01); **H01R 13/506** (2013.01); **H01R 31/06** (2013.01)

Cited by

FR2803442A1; EP0999617A1; FR2648628A1; EP0308259A1; GB2255679A; US5269700A; GB2255679B; DE4312781A1; US5480323A; EP0142311A1; US6488526B2; DE4312778A1; US5575679A; US5669785A; DE4312778C3

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