

Title (en)
RECEPTACLE CONTACT POSITION COMPLIANCE FEATURE

Title (de)
STECKHÜSENKONTAKT POSITIONIER VERFAHREN

Title (fr)
CARACTERISTIQUE D'ADAPTABILITE DE LA POSITION DE CONTACT D'UNE PRISE DE COURANT

Publication
EP 0935828 A1 19990818 (EN)

Application
EP 97944067 A 19971028

Priority
• GB 9622915 A 19961104
• IB 9701349 W 19971028

Abstract (en)
[origin: WO9820584A1] An electrical connector (2) comprising a housing (18) with a contact (22) therein, the housing (18) including a contact receiving passageway (46) defined by opposing sidewalls (48, 50), the contact (22) having a connecting portion (26) for engaging a mating terminal (54) that is connected to a conductor engaging portion (28) by a compliant positioning member (30) that provides relative movement between the connection portion (26) and the conductor engaging portion (28) to accommodate any misalignment with the mating terminal (54), where the contact (22) is positioned in the contact receiving passageway (46) with the connecting portion (26) disposed between the opposing sidewalls (48, 50) and the connecting portion (26) includes a contact section (33) extending from a base (32) that is coupled to the compliance member (30), the connector being characterized in that the base (32) extends across the channel (46) between the sidewalls (48, 50) a distance A greater than that distance B which the contact section (33) extends, such that upon mating with a sufficiently misaligned mating terminal (54), the contact section (26) is displaced relative the conductor engaging portion (28) such that the base (32) comes into supporting contact with one of the sidewalls (50) to provide a fulcrum point (52) about which rotation G of the contact section (33) occurs upon further insertion of the sufficiently misaligned mating terminal (52).

IPC 1-7
H01R 13/631

IPC 8 full level
H01R 13/631 (2006.01)

CPC (source: EP)
H01R 13/6315 (2013.01)

Citation (search report)
See references of WO 9820584A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9820584 A1 19980514; AU 4569797 A 19980529; DE 69703849 D1 20010208; DE 69703849 T2 20010531; EP 0935828 A1 19990818; EP 0935828 B1 20010103; GB 9622915 D0 19970108; TW 423182 B 20010221

DOCDB simple family (application)
IB 9701349 W 19971028; AU 4569797 A 19971028; DE 69703849 T 19971028; EP 97944067 A 19971028; GB 9622915 A 19961104; TW 86115264 A 19971016