

Title (en)
Sealed insulation displacement connector

Title (de)
Abgedichteter Schneidklemmverbinder

Title (fr)
Connecteur étanche à déplacement d'isolant

Publication
EP 0631344 B1 19980812 (EN)

Application
EP 94109915 A 19940627

Priority
GB 9313281 A 19930628

Abstract (en)
[origin: EP0631344A2] A sealed insulation displacement (IDC) connector is shown at (2) as a branch connector used, for example, for grounding cables to the chassis of an automobile. The branch connector (2) comprises sealing means (14, 64) in order to provide a sealed IDC connection between IDC contact portions (18) and conducting wires (4). The branch connector (2) comprises a cover member (8) for receiving the conducting wires (4) and a base member (6) having compartments (28) for receiving the cover members (8) therein. The base member (6) comprises a branch conductor (10) having a plurality of juxtaposed IDC contacting portions (18), the branch conductor (10) in-moulded to an insulative housing (12). The compartments (28) also comprise wire retention means that are V-shaped slots (42) having a tapered profile (44) in order to provide sharp edges that press into the wires (4). <IMAGE> <IMAGE>

IPC 1-7
H01R 13/52; **H01R 4/24**

IPC 8 full level
H01R 4/24 (2006.01); **H01R 13/52** (2006.01); **H01R 13/58** (2006.01)

CPC (source: EP KR US)
H01R 4/2454 (2013.01 - EP US); **H01R 4/66** (2013.01 - KR); **H01R 13/5205** (2013.01 - EP KR US); **H01R 13/5213** (2013.01 - KR); **H01R 13/5216** (2013.01 - KR); **H01R 4/2445** (2013.01 - EP)

Cited by
EP1280236A1; DE19741603A1; EP0895309A3; EP0738025A1; DE102011106853A1; DE19816216A1; DE19816216C2; GB2368197A; GB2368197B; AU776325B2; EP3657604A1; DE102021134576A1; US6514102B1; US6527574B1; US6196863B1; US8714992B2; US6203348B1; US6343952B1; EP3739688A1; US11158960B2; WO2020109260A1; US6196873B1; US6494740B1; US6398585B1; DE102021134570A1

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

DOCDB simple family (publication)
EP 0631344 A2 19941228; **EP 0631344 A3 19960214**; **EP 0631344 B1 19980812**; BR 9402526 A 19950314; CN 1038083 C 19980415; CN 1099511 A 19950301; DE 69412376 D1 19980917; DE 69412376 T2 19990128; GB 9313281 D0 19930811; JP H0722079 A 19950124; KR 950002117 A 19950104

DOCDB simple family (application)
EP 94109915 A 19940627; BR 9402526 A 19940623; CN 94107657 A 19940627; DE 69412376 T 19940627; GB 9313281 A 19930628; JP 16883494 A 19940628; KR 19940014273 A 19940622