

Title (en)  
Sealed insulation displacement connector.

Title (de)  
Abgedichteter Schneidklemmverbinder.

Title (fr)  
Connecteur étanche à déplacement d'isolant.

Publication  
**EP 0631344 A3 19960214 (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)

Citation (search report)  
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• [A] WO 9307654 A1 19930415 - RAYCHEM CORP [US]

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