

Title (en)  
ELECTRICAL CONTACT FOR TERMINATING INSULATED CONDUCTORS

Publication  
**EP 0112051 B1 19861029 (EN)**

Application  
**EP 83306991 A 19831116**

Priority  
GB 8233243 A 19821122

Abstract (en)  
[origin: EP0112051A1] A contact member (14) for forming an electrical connection with insulated conductors of either a solid core, stranded or tinsel ribbon type is formed from a unitary piece of stamped sheet metal and includes both insulation displacement portions (52) and insulation piercing portions (54). Each insulation displacement portion comprises a plate (56) having a slot (58) for establishing contact with a solid core conductor by severing and displacing its insulation. Each insulation piercing portion includes an arm (62) spaced laterally from an adjacent plate (56) having a conductor receiving opening (64) with a barb (66) for piercing through the conductor insulation. The arms (62) are deflectable with respect to the plates (56) upon interaction of the barbs (66) with a solid core conductor terminated to the contact member. The insulation displacement and insulation piercing portions of the contact member may thus co-operate or function alternatively to provide an effective electrical connection with a conductor, regardless of its particular type.

IPC 1-7  
**H01R 4/24**

IPC 8 full level  
**H01R 4/24** (2006.01)

CPC (source: EP US)  
**H01R 4/2466** (2013.01 - EP US)

Cited by  
EP0431837A3; EP0171193A3; EP0206242A1; US4728298A; EP0416965A1; FR2650706A1; GB2255679A; US5269700A; GB2255679B

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