

Title (en)

Electrical contact for terminating insulated conductors.

Title (de)

Elektrische Kontaktklemme zum Kontaktieren isolierter Leiter.

Title (fr)

Borne électrique pour terminer des conducteurs isolés.

Publication

**EP 0112051 A1 19840627 (EN)**

Application

**EP 83306991 A 19831116**

Priority

GB 8233243 A 19821122

Abstract (en)

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)

Citation (search report)

- [A] DE 2525221 A1 19760102 - HASHIMOTOSEIKI CO LTD
- [A] FR 2413804 A1 19790727 - SOURIAU & CIE [FR]
- [A] GB 2037493 A 19800709 - FERRANTI LTD

Cited by

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

Designated contracting state (EPC)

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