

Title (en)

A terminal and method of electrical connection to the center conductor of an insulated wire.

Title (de)

End-Verbinder und Verfahren zur elektrischen Verbindung desselben mit einem Zentralleiter eines isolierten Kabels.

Title (fr)

Terminal et méthode pour connecter celui-ci électriquement au conducteur central d'un câble isolé.

Publication

EP 0131705 A1 19850123 (EN)

Application

EP 84105227 A 19840509

Priority

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Abstract (en)

A terminal (20; 20 min) comprised of a tubular metal sleeve (23; 33 min) includes four insulation slicing-conductor penetrating fins (26; 42) and a coaxially disposed conductor penetrating conical spike (32, 40) to provide a redundant electromechanical connection with a center conductor (16) of a wire (10), the fins extending longitudinally along and radially inward from the interior wall (24A) of the sleeve (23; 33 min) to terminate in a penetrating point (26p; 44) and the conical spike (32, 40) terminating in a point (32A; 45A) for impaling itself into the center conductor (16), the fins longitudinally slicing through the wire insulation (12) to expose the conductor (16) and the conical spike (32; 40) simultaneously impaling itself into the center of the conductor to expand the conductor and the sliced insulation radially outward, inward radial crimping of the sleeve driving the fins into the conductor and press-fitting the insulation segments against the sleeve to form a mechanical fitment therewith.

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IPC 8 full level

H01R 4/24 (2006.01); **H01R 43/16** (2006.01)

CPC (source: EP US)

H01R 4/26 (2013.01 - EP US)

Citation (search report)

- [A] EP 0052037 A2 19820519 - BENDIX CORP [US]
- [A] FR 617955 A 19270301 - MATERIEL TELEPHONIQUE
- [A] US 3728665 A 19730417 - FREY W
- [A] GB 2109173 A 19830525 - BENDIX CORP

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