Title (en)
MULTI-WIRE INSULATION DISPLACEMENT CONNECTOR ASSEMBLY

Publication
EP 0152690 B1 19871028 (EN)

Application
EP 84308607 A 19841211

Priority
US 58059684 A 19840216

Abstract (en)
[origin: EP0152690A1] An electrical connector assembly for connecting an insulated wire conductor (12) to another circuit member (14). The connector assembly includes a housing having a terminal receiving cavity (24a) therein, a terminal (40) mounted in the cavity having an insulation displacement slot for receiving a wire conductor therein, and means (56) for holding and locating a wire conductor in alignment over the slot of the terminal prior to connection thereto. Movement of the wire conductor laterally of its longitudinal axis into the slot causes displacement of the insulation so that the terminal electrically contacts the conductor. The holding and locating means comprises an upwardly facing, U-shaped clamp member (56) having a wire receiving area defined between two resilient legs (60). The clamp member is mounted for movement into the cavity with the wire conductor from an initial position wherein the wire conductor is positioned over the terminal slot downwardly into the cavity to a final position wherein the wire conductor is terminated. The legs position the wire conductor and the wire receiving area in the initial position and exert an inward lateral force against the insulated wire conductor when the clamp member is moved to the final position.

IPC 1-7
H01R 4/24

IPC 8 full level
H01R 4/24 (2006.01)

CPC (source: EP)
H01R 4/2433 (2013.01)

Cited by
US5934928A; EP0959529A3; US5722852A; US5427545A; FR2714226A1; EP0662737A1; US5584722A; WO9424725A1

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DOCDB simple family (application)
EP 84308607 A 19841211; CA 469484 A 19841206; DE 3467071 T 19841211; JP 1416585 A 19850128