

Title (en)
CLAMPING DEVICE FOR CONNECTING A CONDUCTOR WITHOUT STRIPPING THE INSULATION

Title (de)
KLEMMVORRICHTUNG FÜR ABISOLIERFREIEN LEITERANSCHLUSS

Title (fr)
DISPOSITIF DE SERRAGE PERMETTANT DE CONNECTER UN CONDUCTEUR SANS DENUDAGE

Publication
EP 1920502 B1 20150701 (DE)

Application
EP 06777126 A 20060829

Priority

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- US 71221005 P 20050829
- EP 2006008327 W 20060825
- EP 06777126 A 20060829

Abstract (en)
[origin: WO2007025745A1] Disclosed is a clamping device for connecting a conductor without stripping the insulation. Said clamping device comprises a housing (14) and an actuating part (22) which is movably mounted therein and is provided with a duct (26) accommodating the conductor (50) that is to be clamped. A blade contact (18.1) is provided which encompasses a rear web (32) and two spring legs (36) that are placed at an angle therefrom. The spring legs (36) are fitted with contacting blades (48) on final edges that run into each other. Said contacting blades (48) penetrate the duct (26) and contact the conductor (50) accommodated therein while cutting the insulation thereof when the actuating part (22) is transferred into the contacting position thereof. A second contact piece (18.2) is provided which is electrically connected to the blade contact (18.1). The blade contact (18.1) and the second contact piece (18.2) are configured as a monolithic contact element (18) as a result of the fact that spring arms (34) whose ends are formed into a contact tube or a tulip contact (40) are placed at an angle from the rear web (32) of the blade contact (18.1) in addition to the spring legs (36).

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Citation (examination)

- DE 20114612 U1 20030116 - WEIDMUELLER INTERFACE [DE]
- GB 2196492 A 19880427 - AMP INC
- US 4073560 A 19780214 - ANHALT JOHN W, et al
- WO 9936987 A1 19990722 - OBERON ELECTRONICA S A [ES], et al

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