

Title (en)

METHOD OF AND APPARATUS FOR MAKING TWISTED CABLE AND THE CABLE PRODUCED THEREBY

Title (de)

HERSTELLUNGSVERFAHREN UND -APPARAT FÜR VERDRILLTES KABEL UND DAS AUF DIESE WEISE HERGESTELLTES KABEL.

Title (fr)

PROCEDE ET APPAREIL PERMETTANT DE FABRIQUER UN CABLE TORSADÉ ET CABLE CORRESPONDANT

Publication

**EP 1025296 A4 20030730 (EN)**

Application

**EP 99945164 A 19990824**

Priority

- US 9919277 W 19990824
- US 13955798 A 19980825
- US 31431799 A 19990519

Abstract (en)

[origin: WO0011680A2] A method of and an apparatus for making twisted electrical cable, such as 600 volt secondary distribution cable, and the twisted cable product are disclosed. The apparatus comprises a first plurality of stationary payoff reels each wound with a length of bare wire conductor. The conductors are simultaneously payed off the reels to a pay out accumulator for accumulating a portion of the conductors during replacement of spent pay out reels. At least one extrusion process arranged downstream of the accumulator applies a plastic insulation material to a respective conductor as it passes through its respective extrusion process. A cooling and/or curing trough through which water is flowed cools and/or cures the plastic insulation. A take-up accumulator arranged downstream of the cooling and/or curing trough accumulates a portion of each insulated conductor during changeover of the take-up reel arranged downstream of the take-up accumulator. The take-up reel may be rotated about a first axis to twist each insulated conductor about its longitudinal axis, and may additionally simultaneously twist the insulated conductors about one another to form a twisted electrical cable. The take-up reel may also be rotated about a second axis for taking up the twisted electrical cable.

[origin: WO0011680A2] A method of an apparatus for making twisted electrical cable (T), such as 600 volt secondary distribution cable, and the twisted cable product are disclosed. The apparatus comprises a first plurality of stationary payoff reels (32) each wound with a length of bare wire conductor (C). The conductors (C) are simultaneously payed off the reels (32) to a pay out accumulator (34) accumulating a portion of the conductors during replacement of spent pay out reels (32). At least one extrusion (40) process arranged downstream of the accumulator (34) applies a plastic insulation material to a respective conductor as it passes through its respective extrusion process (40). A cooling and/or curing through (18) through which water is flowed cools and/or cures the plastic insulation. A take-up accumulator (20) arranged downstream of the cooling and/or curing through (18) accumulates a portion of each insulated conductor during changeover of the take-up reel (28) arranged downstream of the take-up accumulator (20). The take-up reel (28) and (24) may be rotated.

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CPC (source: EP)

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Citation (search report)

- [A] FR 2381379 A1 19780915 - AEG TELEFUNKEN KABELWERKE [DE]
- [A] FR 2685121 A1 19930618 - FOPTICA [FR]
- See references of WO 0011680A2

Cited by

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**WO 0011680 A2 20000302**; **WO 0011680 A3 20000602**; **WO 0011680 A9 20000810**; BR 9906764 A 20001003; CA 2305757 A1 20000302; EP 1025296 A2 20000809; EP 1025296 A4 20030730

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