

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 A2 20000809 (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 trough (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.

IPC 1-7

D01H 13/26; **D02G 3/26**; **D02G 3/36**; **H01G 7/00**

IPC 8 full level

D02G 3/44 (2006.01); **H01B 13/02** (2006.01)

CPC (source: EP)

H01B 13/0285 (2013.01); **H01B 13/0235** (2013.01)

Cited by

CN104867616A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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

DOCDB simple family (application)

US 9919277 W 19990824; BR 9906764 A 19990824; CA 2305757 A 19990824; EP 99945164 A 19990824