Title (en)

METHOD AND DEVICE FOR PROCESSING THREADS BY DOUBLE TWISTING OR DIRECT CABLING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERARBEITUNG VON FÄDEN DURCH DOPPELTZWIRNEN ODER DIREKTKABLIEREN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE TRANSFORMATION DE FILS PAR DOUBLE TORSION OU CÂBLAGE DIRECT

Publication

EP 2419554 B1 20130403 (FR)

Application

EP 10723244 A 20100409

Priority

- FR 2010050694 W 20100409
- FR 0952446 A 20090414

Abstract (en)

[origin: WO2010119214A1] According to the invention, at least one of the threads (F) is rotated by means of a spindle (3) and forms a balloon (6) around a can or a stationary cradle (7) containing an unwinding or winding system (12), (13), and wherein the thread (F) is guided over at least one of the sides of the balloon (6) by a radial channel (4 and/or 14) extending into an arm or a disc integrally rotated with the spindle (3). According to the invention: a balloon is formed (6) adopting a curvilinear path, without being wound onto a bunch; the thread is positively driven by two drive systems (1, 8) with controlled speeds (V1, V2), one upstream and the other one downstream from the balloon (6); outside the start and stop phases, the speed (V1 or V2) of at least one of the two thread (F) drive systems (1 or 8) is permanently adjusted to retain the diameter (D) of the balloon at a setpoint value or between two parameterized minimum/maximum values.

IPC 8 full level

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CPC (source: EP US)

D01H 1/00 (2013.01 - EP); **D01H 1/10** (2013.01 - EP US); **D01H 1/101** (2013.01 - EP); **D01H 7/86** (2013.01 - EP); **D02G 3/285** (2013.01 - EP US)

Cited by

DE102016001164A1; DE102015005328A1; EP3208370A1; DE102016001099A1; CN107022817A; EP3202964A1; EP3088577A1; US10000867B2; US11235945B2

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