

Title (en)

METHOD AND DEVICE FOR CHANGING THE COURSE OF THE STITCH ROWS IN A KNITTED TUBE

Publication

EP 0296471 A3 19890208 (DE)

Application

EP 88109517 A 19880615

Priority

DE 3720990 A 19870625

Abstract (en)

[origin: EP0296471A2] A textile tube (4) is drawn from the unwinding bale (3) via an expander (5) by means of a supporting band (11) and a pressure band (14) onto a winding bale (7). The expander (5) comprises two guide cheeks resembling half-shells, namely an inner cheek capable of moving approximately vertically and an outer cheek, at the free ends of two telescopic tubes (22) which are extended by means of helical compression springs and which are contracted by means of wire ropes (25). Between the draw-on noses (40) of the guide cheeks and the next telescopic tube (22) there is a cutting device (41) for at least one circular knife (43) which cuts into the tube wall a longitudinal slit (49) with two slit edges (51, 52). The lower slit edge (51) rests on the supporting band (11) and is loaded by the inner cheek. The other (52) rests on the top side of the inner cheek. It is deflected between the deflecting rollers (55, 56) by means of a deflection device (54), that is to say covers a greater distance than the lower slit edge. The slit edges offset longitudinally relative to one another are then sewn together. Colour sensors are appropriately used for coloured striped material. The originally spiral course of transverse lines of the tubular material can thus be changed automatically in a simple way after presetting, especially the spiral pitch of the circumferential lines can be changed over. <IMAGE>

IPC 1-7

D06H 7/08

IPC 8 full level

D06H 5/00 (2006.01); **D06H 7/08** (2006.01)

CPC (source: EP US)

D06H 5/005 (2013.01 - EP US); **D06H 7/08** (2013.01 - EP US)

Citation (search report)

- [X] US 2737700 A 19560313 - VARNEY THOMPSON DANIEL
- [X] DE 2104558 A1 19720817
- [X] FR 1513235 A 19680216 - FINANC & AUXILIAIRE DU TEXTILE
- [A] US 1628215 A 19270510

Cited by

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DOCDB simple family (publication)

EP 0296471 A2 19881228; **EP 0296471 A3 19890208**; **EP 0296471 B1 19920520**; DE 3720990 A1 19890105; DE 3871249 D1 19920625; ES 2032492 T3 19930216; US 5060587 A 19911029

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