

Title (en)

Method of and device for controlling fabric take-up in circular knitting machine

Title (de)

Verfahren und Vorrichtung zur Steuerung der Stoffaufnahme in einer Rundstrickmaschine

Title (fr)

Procédé et dispositif pour contrôler la réception de tissu dans une machine à tricoter circulaire

Publication

EP 2261407 B1 20140507 (EN)

Application

EP 10164302 A 20100528

Priority

JP 2009138181 A 20090609

Abstract (en)

[origin: EP2261407A1] A take-up control device (6) includes a control mode setting means (11) capable of setting a control mode for a take-up servo motor (5) to one of a torque control mode, under which the take-up servo motor (5) is driven so as to maintain a winding tension of the knitted fabric at a constant value, and a position control mode, under which the take-up servo motor (5) is driven at a constant angle of rotation relative to revolutions in the knitting unit (2). This take-up control device (6) is operable to initiate the take-up of the knitted fabric under the torque control mode and to shift the control mode from the torque control mode to the position control mode, after a take-up condition under the torque control mode is determined as stabilized by a stabilization determining means (15), to perform an automatic take-up of the knitted fabric.

IPC 8 full level

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CPC (source: EP)

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EP2918713A4; EP2546401A1

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