

Title (en)

Tension adjustment structure for fabric winding machine

Title (de)

Spannungseinstellungsstruktur für Maschine zum Aufwickeln von Textilerzeugnissen

Title (fr)

Structure de réglage de tension pour une machine d'enroulement de tissu

Publication

EP 2263958 B1 20120208 (EN)

Application

EP 09163279 A 20090619

Priority

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Abstract (en)

[origin: EP2263958A1] A tension adjustment structure for fabric winding machine includes a driving mechanism (20), a roller (30), a fabric pressing mechanism (40) and an adjustment mechanism that are located in a fabric winding machine. The roller (30) and the driving mechanism (20) have corresponding transmission wheels (101, 102) strode by a belt (103). The driving mechanism (20) drives the roller (30) to roll up a fabric (90). The fabric pressing mechanism (40) has an action arm (41) located on the fabric winding machine and a fabric pressing bar (42) located on the action arm (41). The fabric pressing bar (42) has a first position without in contact with the fabric (90) and a second position in contact with the fabric (90) and lifted by the fabric. The adjustment mechanism is butted by the action arm (41) when the fabric pressing bar (42) is at the first position to butt the belt (103) and increase initial rolling force of the roller (30). The action arm (41) releases the belt (103) while the fabric pressing bar (42) is at the second position so that fabric rolling tightness can be controlled by the fabric pressing bar (42) in a consistent manner to improve fabric rolling quality.

IPC 8 full level

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CPC (source: EP)

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