

Title (en)

Method and apparatus for controlling the yarn tension on a winding machine and use of the method

Title (de)

Verfahren und Vorrichtung zur Regelung der Fadenspannung auf einer Spulmaschine, sowie Anwendung des Verfahrens

Title (fr)

Procédé et dispositif pour la régulation de la tension du fil sur un bobinoir et l'utilisation du procédé

Publication

EP 1520825 B1 20061115 (DE)

Application

EP 03022331 A 20031004

Priority

EP 03022331 A 20031004

Abstract (en)

[origin: EP1520825A1] To control the tension of a yarn (F) at a bobbin winder, where it is drawn from a cop (2) by a take-off (5) to be passed to a reciprocating yarn guide (12), a control value is derived for the yarn feed speed. The yarn tension is measured by a sensor (6) according to its position, and tension deviations are taken into account for the control value. There is a continuous synchronizing between the position of the yarn guide and the yarn feed control (18), giving a yarn tension profile. The yarn tension profile is derived from the distance from an edge of the winding bobbin (10) and a percentage reduction in the nominal tension value.

IPC 8 full level

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CPC (source: EP)

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