Title (en)
Yarn winder

Title (de)
Spulmaschine für Faden

Title (fr)
Bobinoir pour fil

Publication
EP 1460015 B1 20060705 (EN)

Application
EP 04003084 A 20040211

Priority
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Abstract (en)
[origin: EP1460015A1] The present invention prevents the amount of slack from decreasing below a predetermined value when a yarn slack eliminating device is used to control a winding tension during a yarn winding process executed by a spinning machine. A winding device 12 winds a yarn spun by a spinning device 5, into a package 16, while a yarn slack eliminating device 10 is eliminating the slack of the yarn. During this process, when it is detected that the amount of slack in the yarn slack eliminating device 10 decreases below a predetermined value, the package 16 is separated from a rotating drum 13 to reduce a winding speed to increase the amount of slack. At this time, the time for which the package 16 remains separated is controlled in accordance with the winding diameter of the package 16 to adjust the aspect of reduction of the winding speed. When the amount of slack is increased, the time for which the reduction of the winding speed is continued and the amount of speed reduction are adjusted taking the winding diameter of the package into account. Therefore, the optimum speed reduction aspect can be set in accordance with a variation in the inertia moment of the package (Fig.3). <IMAGE>

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