

Title (en)

Winder for collecting a roving of newly formed filaments with a device for detecting the current diameter of the bobbin, such a detecting device, a method for controlling a roving winder and a method for controlling a spinning apparatus

Title (de)

Vorrichtung an einem Direkt-Rovingwickler zum berührungslosen Erfassen des Istdurchmessers der Rovingspule und Direkt-Rovingwickler mit einer solchen Vorrichtung sowie Verfahren zum Steuern eines Rovingwicklers und Verfahren zum Steuern einer Spinnvorrichtung

Title (fr)

Bobinoir pour mèche de filaments venant d'être formés avec un dispositif pour détecter le diamètre réel de la bobine, ce dispositif de détection, un procédé pour commander un bobinoir pour mèche de filaments et un procédé pour commander un dispositif de filage

Publication

**EP 1225149 A3 20030521 (DE)**

Application

**EP 02001051 A 20020121**

Priority

DE 20101126 U 20010123

Abstract (en)

[origin: EP1225149A2] A laser sensor (34) that determines its distance from the bobbin surface by timing the difference between the transmitted and reflected beam (35) is fitted to a winder, especially for winding freshly spun glass fiber rovings (24). The sensor (34) can be mounted on the frame (10) or on the traverse (20) and is placed in a housing pressurized with air that sweeps the beam aperture. An Independent claim is also included for a winder that is fitted with such a sensor and uses the bobbin diameter signal to control the bobbin spindle speed. The rate of growth of bobbin diameter can also be used to measure the roving thickness and apply corrections to the extrusion temperature.

IPC 1-7

**B65H 59/38**; **B65H 63/08**; **B65H 54/36**; **C03B 37/03**; **C03B 37/07**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [DA] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02 29 February 1996 (1996-02-29)

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