

Title (en)
SPINNING MACHINE, TAKE-UP DEVICE, AND TEXTILE MACHINE

Title (de)
SPINNMASCHINE, AUFNAHMEVORRICHTUNG, UND TEXTILMASCHINE

Title (fr)
FILEUSE, DISPOSITIF D'ENROULEMENT ET MACHINE TEXTILE

Publication
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Application
EP 12834445 A 20120704

Priority
• JP 2011207717 A 20110922
• JP 2012067088 W 20120704

Abstract (en)
[origin: EP2759623A1] A spinning machine, a winding device, and a textile machine capable of detecting a cyclic abnormality of a rotary body and improving detection accuracy of such an abnormality are provided. A configuration monitors at least one of torque and revolution speed of a motor driving a rotary body for drafting or winding to determine whether or not a cyclic abnormality appears on the rotary body based on the monitor result. For example, if a fiber band moving in response to the rotation of the rotary body has a defect such as a periodic variation in the thickness, load torque acting on the motor varies, and the revolution speed of the motor varies. Thus, the configuration determines whether or not a cyclic abnormality appears on the rotary body by monitoring at least one of the torque and the revolution speed of the motor, thereby detecting the periodic abnormality on the fiber band drafted or wound by the rotary body.

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Citation (search report)
• [Y] EP 0196090 A2 19861001 - TEIJIN SEIKI CO LTD [JP]
• [Y] JP 2010042904 A 20100225 - MURATA MACHINERY LTD
• [Y] EP 1609893 A2 20051228 - TOYOTA JIDOSHOKKI KK [JP]
• See references of WO 2013042427A1

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