

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

**EP 2759623 A4 20160622 (EN)**

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.

IPC 8 full level

**D01H 13/14** (2006.01); **B65H 54/42** (2006.01); **B65H 63/00** (2006.01); **D01H 5/38** (2006.01); **D01H 13/32** (2006.01)

CPC (source: EP)

**B65H 54/42** (2013.01); **B65H 63/04** (2013.01); **D01H 5/38** (2013.01); **D01H 13/14** (2013.01); **D01H 13/32** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

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- [Y] JP 2010042904 A 20100225 - MURATA MACHINERY LTD
- [Y] EP 1609893 A2 20051228 - TOYOTA JIDOSHOKKI KK [JP]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2759623 A1 20140730**; **EP 2759623 A4 20160622**; CN 103827366 A 20140528; CN 103827366 B 20160817; JP 2013067916 A 20130418; WO 2013042427 A1 20130328

DOCDB simple family (application)

**EP 12834445 A 20120704**; CN 201280046092 A 20120704; JP 2011207717 A 20110922; JP 2012067088 W 20120704