

Title (en)

SPOOLING MACHINE AND METHOD FOR MONITORING A SPOOLING MACHINE

Title (de)

AUFSPULMASCHINE UND VERFAHREN ZUR ÜBERWACHUNG EINER AUFSPULMASCHINE

Title (fr)

MACHINE DE BOBINAGE ET PROCÉDÉ DE SURVEILLANCE D'UNE MACHINE DE BOBINAGE

Publication

EP 2571797 B1 20140903 (DE)

Application

EP 11720769 A 20110520

Priority

- DE 102011016929 A 20110413
- DE 102010049849 A 20101027
- DE 102010022193 A 20100520
- EP 2011058247 W 20110520

Abstract (en)

[origin: WO2011144732A1] The invention relates to a spooling machine for winding a number of fibres into spools and to a method for controlling and/or monitoring such a spooling machine. The spooling machine has two projecting spool spindles (3.1, 3.2), which are held on a rotatably mounted spool capstan (1). The spool spindles are guided by the spool capstan alternately into a spooling region and a changing region, wherein the spool spindle interacts with a pressure roller (6) in the spooling region. The pressure roller is held on a movable roller carrier (20). A measuring device (11) is provided for controlling and monitoring the oscillations occurring at the spool spindles. According to the invention, the measuring device has a fixed distance sensor (11.1, 11.2), which interacts with a distance contour (13), formed on one of the movable components. In this case, the component oscillation induced by the oscillations of the spool spindle is measured as a change in position of the component with respect to the machine frame.

IPC 8 full level

B65H 63/00 (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP)

B65H 63/00 (2013.01); **B65H 67/048** (2013.01); **B65H 2553/24** (2013.01); **B65H 2601/524** (2013.01); **B65H 2701/31** (2013.01)

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)

WO 2011144732 A1 20111124; CN 102905998 A 20130130; CN 102905998 B 20141105; EP 2571797 A1 20130327; EP 2571797 B1 20140903; JP 2013529164 A 20130718; JP 5889285 B2 20160322

DOCDB simple family (application)

EP 2011058247 W 20110520; CN 201180024879 A 20110520; EP 11720769 A 20110520; JP 2013510635 A 20110520