Title (en)

THREAD SUPPLY SYSTEM

Title (de)

FADENZUFUHRSYSTEM

Title (fr)

SYSTÈME D'ALIMENTATION EN FIL

Publication

EP 2573026 A1 20130327 (EN)

Application

EP 11783352 A 20110414

Priority

- JP 2010117815 A 20100521
- JP 2011059300 W 20110414

Abstract (en)

Provided is a yarn supplying system in which a tension of a yarn in a yarn supplying path is maintained in an appropriate range and the yarn can be supplied from a bobbin without slackening with a simple configuration. Tension measuring means 40 measures the tension of an elastic body 30 that pulls a pulling piece 20 hooked to a yarn 3Y reeled out from a bobbin 3 to a storage unit 10. Deriving means 50 uses a correlative relationship between the tension of the elastic body 30 and the position of the pulling piece 20 (physical amount for controlling a supply amount of the yarn 3Y from the bobbin 3) along the pulling direction determined in advance in order to determine the relevant position from the actually measured tension. Control means 1C controls the supply amount of the yarn 3Y from the bobbin 3 by the yarn supplying device 1 based on the determined position.

IPC 8 full level

B65H 59/38 (2006.01); **B65H 59/40** (2006.01)

CPC (source: EP KR)

B65H 59/36 (2013.01 - KR); **B65H 59/38** (2013.01 - KR); **B65H 59/387** (2013.01 - EP); **B65H 59/40** (2013.01 - EP); B65H 2701/31 (2013.01 - EP)

Cited by

CN104963011A; WO2016197158A1

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 2573026 A1 20130327; **EP 2573026 A4 20131030**; **EP 2573026 B1 20170920**; CN 102844260 A 20121226; CN 102844260 B 20150624; JP 5805079 B2 20151104; JP WO2011145415 A1 20130722; KR 101384184 B1 20140410; KR 20120130781 A 20121203; WO 2011145415 A1 20111124

DOCDB simple family (application)

EP 11783352 A 20110414; CN 201180019459 A 20110414; JP 2011059300 W 20110414; JP 2012515794 A 20110414; KR 20127026809 A 20110414