

Title (en)
Yarn tension

Title (de)
Fadenspannung

Title (fr)
Tension de fil

Publication
EP 1975106 B1 20120718 (DE)

Application
EP 08450041 A 20080326

Priority
AT 4682007 A 20070326

Abstract (en)
[origin: EP1975106A2] The system to control the tension of a yarn (4) or ribbon, during winding on to a bobbin (5) at a bobbin winder with a number of stations, has a compensator roller (8) in the path to the bobbin on a spindle with a drive motor (17). The position of the roller, against a spring (14), is registered by a positioning unit (20) to generate an actual position signal (α) for a control amplifier (19). The control amplifier transmits a command signal (S) to the motor, from a comparison of the actual and nominal position value (S_{α}), to keep the compensator roller in a constant setting. The reference value, to set the spring tension, is supplied by a central control computer (21).

IPC 8 full level
B65H 59/36 (2006.01); **B65H 59/38** (2006.01)

CPC (source: EP)
B65H 59/36 (2013.01); **B65H 59/385** (2013.01); **B65H 2701/31** (2013.01)

Cited by
WO2016197158A1; CN112047199A; CN106006215A; CN112408094A; CN104773612A; CN108069289A; CN113291926A; CN116835398A; CN109264505A; CN112158674A; DE102009021066A1; CN101885434A; CN104860122A; CN114955723A; US2022396452A1; CN104773615A; EP4101800A1; LU102827B1; CN112239104A; US12068568B2; EP3333106A1; CN108217269A; US10858215B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1975106 A2 20081001; EP 1975106 A3 20091021; EP 1975106 B1 20120718

DOCDB simple family (application)
EP 08450041 A 20080326