

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

Designated contracting state (EPC)
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