

Title (en)
TENSION CONTROL DEVICE FOR A SHAFT WINDER

Publication
EP 0102589 A3 19850522 (DE)

Application
EP 83108344 A 19830824

Priority
DE 3233054 A 19820906

Abstract (en)
[origin: EP0102589A2] 1. Apparatus for regulating the tensile stress and the speed of a shaft winder comprising : a) a regulator (9) supplied with a quantity adjustably dependent upon the respective winding diameter (D) as a theoretical value (M_s) and with a quantity proportional to the torque of the winding drive as an actual value (M_i), and comprising b) a regulating loop (14) which determines a quantity, proportional to the winding diameter (D), composed of the speed (V_s) of the continuous material and the rotating speed (n) of the winder (2, 3), characterized by the following features : c) the use of the output signal of the regulator (9) as a correcting signal for a speed regulator (8), where d) the speed regulator (8) is supplied with a quantity proportional to the given speed of the continuous material as a theoretical value (V_s) and with a quantity proportional to the product of winding diameter (D) and winding rotation speed (n) as an actual value (V_i).

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B65H 25/22

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CPC (source: EP)
B65H 23/1955 (2013.01)

Citation (search report)

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- [A] US 3348107 A 19671017 - HAMBY RUSSELL S
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Cited by
EP3858771A1; GB2201013A; GB2201013B; WO03104121A1

Designated contracting state (EPC)
CH DE LI SE

DOCDB simple family (publication)
EP 0102589 A2 19840314; **EP 0102589 A3 19850522**; **EP 0102589 B1 19870805**; DE 3233054 A1 19840308; DE 3372849 D1 19870910; JP S5964462 A 19840412; JP S6365578 B2 19881216

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