Title (en)

METHOD FOR CONTROLLING THE CONSUMPTION RATE OF A YARN BEING UNWOUND FROM AN ACCUMULATION FEEDER TOWARD A TEXTILE MACHINE, AND APPARATUS FOR CARRYING OUT SUCH METHOD

Title (de)

VERFAHREN ZUR STEUERUNG DER ABNUTZUNGSRATE EINES GARNS, DER VON EINEM ANHÄUFUNGSZUFÜHRER AN EINE TEXTILMASCHINE ABGEWICKELT WIRD, UND VORRICHTUNG ZUR AUSFÜHRUNG EINES SOLCHEN VERFAHRENS

Title (fr)

PROCÉDÉ POUR COMMANDER LE TAUX DE CONSOMMATION D'UN FIL DÉROULÉ À PARTIR D'UN DISPOSITIF D'ALIMENTATION À ACCUMULATION VERS UNE MACHINE TEXTILE ET APPAREIL PERMETTANT DE METTRE EN OEUVRE CE PROCÉDÉ

Publication

EP 3103749 B1 20191204 (EN)

Application

EP 16172795 A 20160603

Priority

IT UB20151048 A 20150612

Abstract (en)

[origin: EP3103749A1] The yarn tension is stabilized on a reference tension (T_ref) by a weft braking device (20) driven by a control unit (CU) that receives a measured tension signal (T_meas) from a tension sensor (22). The yarn consumption rate (YS_meas) is continuously measured and is continuously compared with a reference rate (YS_ref). If the difference between the yarn consumption rate (YS_meas) and the reference rate (YS_ref) falls within a predefined error range that indicates that the machine is operating with constant consumption, then adjust the reference tension (T_ref) so as to minimize the difference between the yarn consumption rate (YS_meas) and the reference rate (YS_ref), otherwise disable the adjustment of the reference tension (T_ref).

IPC 8 full level

B65H 59/10 (2006.01); **B65H 59/38** (2006.01); **D04B 15/48** (2006.01); **D04B 35/12** (2006.01)

CPC (source: CN EP)

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Designated contracting state (EPC)

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