Title (en)

CONTROL DEVICE FOR MOTOR TORQUE REDUCTION OF WINDING/UNWINDING UNITS FOR FLEXIBLE ELEMENTS AND METHOD OF CONTROLLING SAID DEVICE

Title (de)

STEUERVORRICHTUNG ZUR MOTORDREHMOMENTREDUZIERUNG VON WICKEL-/ABWICKEL-EINHEITEN FÜR FLEXIBLE ELEMENTE UND VERFAHREN ZUR STEUERUNG DER VORRICHTUNG

Title (fr)

DISPOSITIF DE COMMANDE AUX FINS DE LA DIMINUTION DU COUPLE D'UN MOTEUR AU MOYEN D'UNITES DE BOBINAGE/ DEBOBINAGE POUR ELEMENTS SOUPLES ET TECHNIQUE DE COMMANDE DE CE DISPOSITIF

Publication

EP 1595055 B1 20080319 (EN)

Application

EP 04706687 A 20040130

Priority

- EP 2004050056 W 20040130
- IT VI20030032 A 20030217

Abstract (en)

[origin: WO2004072429A1] A control device for motor torque reduction of a winding/unwinding unit for flexible elements comprising: an electric motor (2) electrically connected to a first condenser (9) operable in both rotation direction, coupled with a reduction unit (12) connected to a winding/ unwinding roll (11) of a flexible element, an encoder (16) mechanically connected to said reduction unit, a logic unit (26) comprising memory means (26a) and counting means for the number of impulses coming from said encoder, able to elaborate said impulses and to send control signals to said motor torque reduction means, said logic unit programming means (13, 14) and actuator means (13) to activate said motor. The device is characterized in that said torque reduction means are operated by said logic unit when the number of impulses computed by said counting means is equal to a number previously set in said logic unit memory means (26).

IPC 8 full level

E06B 9/72 (2006.01); **B65H 23/18** (2006.01); **B65H 23/185** (2006.01); **B65H 23/198** (2006.01)

CPC (source: EP)

B65H 23/185 (2013.01); **B65H 23/198** (2013.01); **E06B 9/72** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004072429 A1 20040826; AT E389776 T1 20080415; DE 602004012533 D1 20080430; DE 602004012533 T2 20090507; EP 1595055 A1 20051116; EP 1595055 B1 20080319; ES 2303050 T3 20080801; IT VI20030032 A1 20040818

DOCDB simple family (application)

EP 2004050056 W 20040130; AT 04706687 T 20040130; DE 602004012533 T 20040130; EP 04706687 A 20040130; ES 04706687 T 20040130; IT VI20030032 A 20030217