

Title (en)

METHOD FOR REGULATING WEB TENSION IN A RAISING MACHINE, AND RAISING MACHINE

Publication

**EP 0224683 B1 19920401 (DE)**

Application

**EP 86114009 A 19861009**

Priority

DE 3540689 A 19851116

Abstract (en)

[origin: US4803761A] This invention concerns a process for monitoring and/or regulating cloth tension of a length of cloth processed on a cylinder napping machine, whereby the napping machine has pile rollers and/or counterpile rollers on the jacket of the cylinder which subject the cloth to pile-raising energy and/or counterpile-raising energy, and a certain set point tension value which assures optimum distribution of cloth tension on the cylinder is set at the cloth inlet and the cloth delivery end of the napping machine, during operation the cloth tension is measured preferably continuously and controlled at the inlet end and the outlet end and the tension values are compared, and in the event of a deviation from the predetermined tension values the respective deviating tension is automatically adjusted again to the predetermined set point value. This invention also concerns a cylinder napping machine with pile rollers and/or counterpile rollers mounted on the jacket of the cylinder, a feed roll at the cloth feed and a delivery roll at the cloth delivery end, and a measurement unit for measuring the cloth tension is provided at the cloth feed and another unit is provided at the cloth delivery end.

IPC 1-7

**D06C 11/00**

IPC 8 full level

**D06C 11/00** (2006.01)

CPC (source: EP US)

**D06C 11/00** (2013.01 - EP US)

Cited by

CN105063947A; EP0649927A3; EP0613972A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0224683 A1 19870610; EP 0224683 B1 19920401**; AT E74385 T1 19920415; DE 3540689 A1 19870521; DE 3540689 C2 19880107; DE 3684672 D1 19920507; ES 2030655 T3 19921116; US 4803761 A 19890214

DOCDB simple family (application)

**EP 86114009 A 19861009**; AT 86114009 T 19861009; DE 3540689 A 19851116; DE 3684672 T 19861009; ES 86114009 T 19861009; US 92776386 A 19861106