Title (en)

TENSION CONTROL SYSTEM FOR DEFORMABLE NIP ROLLERS

Title (de)

SPANNUNGSREGLERSYSTEM FÜR VERFORMBARE ANDRUCKWALZEN

Title (fr)

SYSTÈME DE COMMANDE DE TENSION POUR ROULEAUX PINCEURS DÉFORMABLES

Publication

EP 2389291 A1 20111130 (EN)

Application

EP 10733851 A 20100121

Priority

- US 2010021656 W 20100121
- US 35771809 A 20090122

Abstract (en)

[origin: US2010181360A1] A method and apparatus for controlling web tension in a web printing press having a plurality of sets of deformable nip rollers, each set driven by a separate driver, the web passing sequentially through each set of deformable nip rollers and forming a web segment therebetween. The driver of a downstream set of deformable nip rollers is adjusted to set the tension of a first web segment and a controller adjusts a first characteristic of the driver of the upstream set of deformable nip rollers to maintain the tension of a second web segment constant. Alternatively, a sensor measures a second characteristic of the second web segment and the controller adjusts the first characteristic of the driver of the upstream set of deformable nip rollers based on the measurement from the sensor.

IPC 8 full level

B41F 13/02 (2006.01); **B65H 23/188** (2006.01)

CPC (source: EP US)

B65H 23/1888 (2013.01 - EP US); B65H 2404/1122 (2013.01 - EP US); B65H 2513/10 (2013.01 - EP US); B65H 2515/314 (2013.01 - EP US); B65H 2515/32 (2013.01 - EP US); B65H 2557/26 (2013.01 - EP US); B65H 2557/264 (2013.01 - EP US); B65H 2801/21 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

US 2010181360 A1 20100722; CN 102292212 A 20111221; CN 102292212 B 20140409; EP 2389291 A1 20111130; EP 2389291 A4 20120815; WO 2010085563 A1 20100729

DOCDB simple family (application)

US 35771809 A 20090122; CN 201080004884 A 20100121; EP 10733851 A 20100121; US 2010021656 W 20100121