

Title (en)

Method and device for controlling the web tension forces and the cutting register of a rotary printer

Title (de)

Verfahren und Vorrichtung zur Regelung der Bahnzugkräfte und der Schnittregisterfehler einer Rollenrotationsdruckmaschine

Title (fr)

Méthode et dispositif pour contrôler la tension d'une bande et le repérage de coup d'une imprimante rotative

Publication

EP 1505025 A3 20100120 (DE)

Application

EP 04018429 A 20040804

Priority

DE 10335885 A 20030806

Abstract (en)

[origin: EP1505025A2] The press includes a series of nips (K o to K n) at positions (0 to n) which are under controlled drive. To control partial registration errors over j cuttings with q web tensions, (j+q) magnitudes are employed. These serve as control magnitudes for circumferential velocities and/or angular positions at the nips (K 1 to K n - 1). The partial registration errors and web tensions lie in the same, or in different cuttings. An independent claim is included for corresponding control equipment.

IPC 8 full level

B41F 13/00 (2006.01); **B65H 23/188** (2006.01)

CPC (source: EP US)

B41F 13/025 (2013.01 - EP US); **B41F 33/0081** (2013.01 - EP US); **B65H 23/1882** (2013.01 - EP US); **B65H 23/1888** (2013.01 - EP US); **B41P 2213/90** (2013.01 - EP US); **B65H 2511/112** (2013.01 - EP US); **B65H 2513/10** (2013.01 - EP US)

Citation (search report)

- [YA] DE 10154003 A1 20030515 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] EP 0950519 A1 19991020 - ASEA BROWN BOVERI [CH]
- [Y] WO 0242075 A1 20020530 - KOENIG & BAUER AG [DE], et al

Cited by

EP1975103A3; EP1795470A1; AT511027A3; US8985021B2; WO2010049030A3; WO2010051874A1; WO2008074732A3; EP1562724B1; EP2067725B1

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 PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1505025 A2 20050209; **EP 1505025 A3 20100120**; **EP 1505025 B1 20130724**; CN 100436125 C 20081126; CN 1640662 A 20050720; DE 10335885 A1 20050317; US 2005039622 A1 20050224; US 2006249043 A1 20061109; US 7185587 B2 20070306; US 7204189 B2 20070417

DOCDB simple family (application)

EP 04018429 A 20040804; CN 200410103268 A 20040806; DE 10335885 A 20030806; US 48137806 A 20060705; US 91281004 A 20040806