

Title (en)

Device for controlling the lateral position of a web in a rotary printing machine.

Title (de)

Einrichtung zum Regeln der seitlichen Lage einer Bedruckstoffbahn in Rollendruckmaschinen.

Title (fr)

Dispositif pour régler la position latérale d'une bande dans une machine à imprimer rotative.

Publication

EP 0077907 A1 19830504 (DE)

Application

EP 82108356 A 19820910

Priority

DE 3142316 A 19811024

Abstract (en)

[origin: ES8306537A1] Device for controlling with adjusting members and a measuring device the lateral position of a web in a web printing machine, the controlling device, for effecting centralized control, having respective optical scanning systems for detecting edges of the web on both sides thereof and the respective positions of the edges and, upon lateral shifting of the web, activating the adjusting members for correcting the position of the web in accordance with a nominal value, including a respective bandpass filter connected to each of the optical scanning systems, and means for detecting a long-term change in the control signal by the bandpass filter of one of the optical scanning systems, the one optical scanning system being in position yet being idle with respect to controlling the lateral position of the web, the other optical scanning system being active with respect to scanning the respective web edge for controlling the lateral position of the web, the detection of the long-term change in the control signal by the bandpass filter of the one optical scanning system being an indication of fouling of the optical scanning systems, whereby compensation for the fouling may be effected.

Abstract (de)

Die Erfindung bezieht sich auf eine Einrichtung zum Regeln der seitlichen Lage einer Bedruckstoffbahn 1 in Rollendruckmaschinen mittels Stellgliedern und Meßeinrichtungen, die beiderseits die Bahnkanten abtasten und die Bedruckstoffbahn über Stellglieder auf einen Sollwert regeln, ohne daß eine Verschmutzung der optischen Abtastsysteme 2,3 oder eine Seitenumschaltung zu einer Fehlregelung der Bahn führen, so daß eine sprunghafte Lageänderung der Bedruckstoffbahn 1 ausgelöst würde, die zu einem Zerreißen derselben führen kann.

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IPC 8 full level

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CPC (source: EP US)

B65H 23/0216 (2013.01 - EP US); **B65H 23/032** (2013.01 - EP US); **B65H 2557/10** (2013.01 - EP US)

Citation (search report)

- [A] US 3090534 A 19630521 - FROMMER JOSEPH C, et al
- [A] US 2883559 A 19590421 - BAILEY FRANCIS T

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0077907 A1 19830504; **EP 0077907 B1 19850724**; AT 383778 B 19870825; AT A353682 A 19870115; CA 1219656 A 19870324; DE 3142316 A1 19830505; DE 3142316 C2 19870820; DK 464182 A 19830425; ES 516201 A0 19830601; ES 8306537 A1 19830601; JP H0375347 B2 19911129; JP S5881167 A 19830516; US 4527069 A 19850702

DOCDB simple family (application)

EP 82108356 A 19820910; AT 353682 A 19820923; CA 413975 A 19821022; DE 3142316 A 19811024; DK 464182 A 19821019; ES 516201 A 19821004; JP 18479282 A 19821022; US 43163482 A 19820930