Title (en)

Monitoring system for web breaks in a rotary printing press

Title (de)

Bahnbruch-Überwachungseinrichtung für Rollenrotationsdruckmaschinen

Title (fr)

Dispositif de surveillance des ruptures de bande dans une machine rotative d'impression

Publication

EP 1760019 A3 20070718 (DE)

Application

EP 06117683 A 20060721

Priority

DE 102005041919 A 20050903

Abstract (en)

[origin: EP1760019A2] The device includes a control unit (50) that increases pneumatic movement strength affecting printing on a web (8) in reaction to a path speed signal (52) to change the path speed of the web. The device also has compressed air nozzles (32,34) that operate in predetermined relationship with respect to the reduced or increased path speed. A detector (26) is provided to detect the longitudinal edge strips of the web during the printing process to produce a web crack signal (40). The compressed air nozzles are arranged and directed transverse to the web level. A pneumatic moving mechanism (30) is arranged for moving the web with respect to the compressed air nozzles. The web is moved within the detection range of the detector without affecting the tension applied to the web during the printing process.

IPC 8 full level

B65H 26/02 (2006.01); **B41F 33/18** (2006.01)

CPC (source: EP US)

B41F 33/18 (2013.01 - EP US); **B65H 26/025** (2013.01 - EP US); B65H 2553/10 (2013.01 - EP US); B65H 2553/412 (2013.01 - EP US); B65H 2701/1315 (2013.01 - EP US)

Citation (search report)

- [DA] DE 3939226 A1 19910529 - KOTTERER GRAFOTEC [DE]
- [DA] EP 0895860 A2 19990210 - BALDWIN GRAFOTEC GMBH [DE]
- [A] DE 4106901 A1 19920910 - KOTTERER GRAFOTEC [DE]

Cited by

EP1916211A3

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1760019 A2 20070307; **EP 1760019 A3 20070718**; **EP 1760019 B1 20090401**; DE 102005041919 A1 20070315; DE 102005041919 B4 20080529; DE 502006003309 D1 20090514; JP 2007069610 A 20070322; JP 4352067 B2 20091028; US 2007194258 A1 20070823

DOCDB simple family (application)

EP 06117683 A 20060721; DE 102005041919 A 20050903; DE 502006003309 T 20060721; JP 2006239089 A 20060904; US 46695706 A 20060824