

Title (en)

PROCESS AND DEVICE FOR CONTROLLING THE TENSION OF PAPER OF A PRINTING AND/OR CUTTING MACHINE FOR PROVIDING COMMERCIAL PRINTING ON A CONTINUOUS PAPER WEB

Publication

EP 0390750 A3 19910327 (FR)

Application

EP 90830104 A 19900315

Priority

IT 938889 A 19890331

Abstract (en)

[origin: EP0390750A2] The tension regulator has input and output rollers driving the paper strip, each with a jockey wheel for non-slip grip. Two free rollers, adjacent to the drive rollers, define horizontal lengths of paper. Several return rollers between entry and exit rollers define a paper path of predetermined length. One of these is adjustable to alter tension. A detector locates holes in the paper carrier along the edges of the paper to measure length. The valuesa obtained are compared by a microprocessor with a reference and the result used . to adjust the tension regulator roller.

IPC 1-7

B65H 23/188; **B41F 33/14**

IPC 8 full level

B41F 13/02 (2006.01); **B41F 33/06** (2006.01); **B65H 23/18** (2006.01); **B65H 23/188** (2006.01)

CPC (source: EP)

B41F 13/02 (2013.01); **B65H 23/1888** (2013.01)

Citation (search report)

- [A] FR 2250696 A1 19750606 - BOBST FILS SA J [CH]
- [A] WO 8602318 A1 19860424 - MITSUBISHI HEAVY IND LTD [JP]

Cited by

US8437681B2; WO2005124470A3

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0390750 A2 19901003; **EP 0390750 A3 19910327**; AR 245648 A1 19940228; BR 9001477 A 19910416; CA 2013308 A1 19900930; FI 901567 A0 19900329; IT 1233276 B 19920326; IT 8909388 A0 19890331; JP H02281946 A 19901119; NO 901467 D0 19900330; NO 901467 L 19901001

DOCDB simple family (application)

EP 90830104 A 19900315; AR 31650290 A 19900329; BR 9001477 A 19900330; CA 2013308 A 19900329; FI 901567 A 19900329; IT 938889 A 19890331; JP 7858790 A 19900327; NO 901467 A 19900330