

Title (en)

Drive of a folder of a rotary printing press

Title (de)

Antrieb eines Falzapparates einer Rotationsdruckmaschine

Title (fr)

Dispositif d'entraînement d'un appareil de pliage d'une machine à imprimer rotative

Publication

EP 1666248 A1 20060607 (DE)

Application

EP 05111452 A 19960312

Priority

- EP 02020031 A 19960312
- EP 96905713 A 19960312
- DE 19509948 A 19950318
- DE 19525169 A 19950711

Abstract (en)

A drive system using separate motors (M) for each section of the process. The specification of each motor is determined by the particular needs of its corresponding rotating component such as the perforation rollers (3,4), the folding cylinders (18,34) or the longitudinal folders (24,38). The rotation angle tolerance range for each drive motor is compatible with the component and with that of the other motors. If any drive exceeds the predetermined tolerances a device (63) engages with the track (2,46) to operate a synchronised high-speed stop on all rotating parts. A warning signal is given and tolerance ranges are so dimensioned that no damage occurs to the machine.

IPC 8 full level

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CPC (source: EP)

B41F 13/0045 (2013.01); **B65H 45/12** (2013.01); **B65H 45/162** (2013.01); **B65H 45/28** (2013.01); **B41P 2213/734** (2013.01); **B65H 2403/943** (2013.01)

Citation (search report)

- [DXAY] DE 4322744 A1 19950119 - BAUMUELLER NUERNBERG GMBH [DE], et al
- [DY] DE 3626287 A1 19880204 - FRANKENTHAL AG ALBERT [DE]
- [PDX] EP 0692377 A2 19960117 - WIFAG MASCHF [CH]
- [PDX] EP 0699524 A2 19960306 - ROLAND MAN DRUCKMASCH [DE]
- [DA] EP 0243728 A2 19871104 - HEIDELBERGER DRUCKMASCH AG [DE]
- [DA] US 5359929 A 19941101 - HANSEN ROBERT E [US]
- [DA] DE 1960565 A1 19710624 - KOENIG & BAUER SCHNELLPRESSFAB

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