

Title (en)

Expansible mandrel, system comprising an expansible mandrel and core, a rotary printing press as well as a method for the dynamic stabilization of an expansible mandrel

Title (de)

Spanwelle, System aus Spannweite und Hülse und Rotationsdruckmaschine sowie Verfahren zur dynamischen Stabilisierung einer Spannweite

Title (fr)

Mandrin expansible, ensemble mandrin expansible et manchon et machine rotative d'impression ainsi que procédé pour la stabilisation dynamique du mandrin

Publication

EP 1306210 A3 20040414 (DE)

Application

EP 02023535 A 20021022

Priority

DE 10151860 A 20011024

Abstract (en)

[origin: EP1306210A2] A tightening shaft (9) for gripping moving peripheral parts (10-14) with gripping devices (15-19) and fastening them as tight as necessary uses extra stop/buffer devices (20-24) designed to limit force exerted by the gripping devices and/or by the peripheral parts that can fasten on the tightening shaft. The stop/buffer devices limit force exerted by the peripheral parts as a method for dynamic stabilizing of the tightening shaft. <??>Independent claims are also included for a device made up of a tightening shaft, for rotary printing machine and for a method for dynamic stabilizing of a tightening shaft.

IPC 1-7

B41F 13/08; **B65H 75/24**; **B41F 13/10**

IPC 8 full level

B41F 13/10 (2006.01); **B65H 75/24** (2006.01)

CPC (source: EP US)

B41F 13/10 (2013.01 - EP); **B65H 75/2437** (2021.05 - EP US); **B41P 2227/21** (2013.01 - EP)

Citation (search report)

- [X] US 4461430 A 19840724 - LEVER LOUIS [US]
- [X] US 5971314 A 19991026 - ESSERT HERMANN [DE]
- [AD] EP 0629576 A1 19941221 - TIDLAND CORP [US]
- [DA] US 3904144 A 19750909 - GATTRUGERI GIOVANNI
- [A] US 6161478 A 20001219 - KATZ SIDNEY [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1306210 A2 20030502; **EP 1306210 A3 20040414**; **EP 1306210 B1 20070711**; AT E366659 T1 20070815; DE 10151860 A1 20030515; DE 10151860 B4 20040129; DE 50210445 D1 20070823; ES 2286187 T3 20071201

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