

Title (en)

Device for tensioning the back side of a printing plate on a printing cylinder of a rotary printing press

Title (de)

Vorrichtung zum Spannen der Hinterkante einer Druckplatte im Plattenzylinder von Rotationsdruckmaschinen

Title (fr)

Dispositif pour tendre le bord arrière d'une plaque d'impression dans une machine d'impression rotative

Publication

EP 0739727 A3 19970312 (DE)

Application

EP 96104601 A 19960322

Priority

DE 19515845 A 19950429

Abstract (en)

[origin: EP0739727A2] A stretching shaft (5) is mounted in a channel running in the longitudinal direction of the cylinder, and has tightening components working with holders. Adjusting mechanisms at the shaft ends are supported on the cylinder ends, stretching the plate in the axial direction. The shaft turns in a support bearing (6) at the cylinder middle, and is guided in the axial direction by thrust bearings on both sides of the support bearing. The support bearing contains a screwed bush, on which the thrust bearings (8) are supported, and which is clamped in the support bearing by a screw with no free movement after adjustment has been carried out. A plate spring (27) can be mounted between the support and thrust bearings on both sides of the former, its loading being adjustable (11). The support bearing can be of spring material and movable by the adjusting mechanism (11) from the zero setting.

IPC 1-7

B41F 27/12

IPC 8 full level

B41F 27/12 (2006.01)

CPC (source: EP US)

B41F 27/1243 (2013.01 - EP US)

Citation (search report)

- [DA] DE 4244279 A1 19940630 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] US 3335663 A 19670815 - HARENZA EDWARD R
- [A] US 3824928 A 19740723 - LANGER K

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0739727 A2 19961030; EP 0739727 A3 19970312; EP 0739727 B1 19981209; DE 19515845 A1 19961031; DE 59600934 D1 19990121; JP 3977456 B2 20070919; JP H08300626 A 19961119; US 5694854 A 19971209

DOCDB simple family (application)

EP 96104601 A 19960322; DE 19515845 A 19950429; DE 59600934 T 19960322; JP 10527396 A 19960425; US 63848096 A 19960426