

Title (en)

Device for applying and withdrawing a blanket cylinder in the printing unit of a sheet-fed offset printing machine.

Title (de)

Vorrichtung zur Drucken- und -abstellung eines Gummizylinders im Druckwerk einer Bogen-Offsetdruckmaschine.

Title (fr)

Dispositif pour approcher et éloigner un cylindre porte-blanchet dans le bloc d'impression d'une machine à imprimer en offset à feuilles.

Publication

EP 0453850 B1 19940202 (DE)

Application

EP 91105527 A 19910408

Priority

DE 4013075 A 19900425

Abstract (en)

[origin: US5167187A] A throw-on and throw-off device for a blanket cylinder in the printing unit of an offset press is provided wherein the blanket cylinder is mounted at both its ends in eccentric bushings and the pivoting throw-on/throw-off movement of the bushings is produced by a toggle-like linkage. Two parallel double-acting fluid pressure cylinders are connected by way of their piston rods to a cross link which is pivoted to one of the links of the toggle linkage. The two pressure cylinders can be individually supplied with compressed air either consecutively or simultaneously so that, in the first case, precise sequential throw-on of the blanket cylinder on the plate cylinder and subsequently on the impression cylinder can be achieved and, in the latter case, there can be a very rapid throw-off of the blanket cylinder from both the impression cylinder and the plate cylinder.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

B41F 13/40 (2013.01 - EP US)

Citation (examination)

US 3067674 A 19621211 - TYMA JR LOUIS S, et al

Cited by

EP2842748A4; EP0657283A1; NL9302062A

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

US 5167187 A 19921201; AT E101081 T1 19940215; DE 4013075 C1 19910620; DE 59100976 D1 19940317; EP 0453850 A1 19911030; EP 0453850 B1 19940202; ES 2050007 T3 19940501; JP 2624583 B2 19970625; JP H04226354 A 19920817

DOCDB simple family (application)

US 69122391 A 19910425; AT 91105527 T 19910408; DE 4013075 A 19900425; DE 59100976 T 19910408; EP 91105527 A 19910408; ES 91105527 T 19910408; JP 9391191 A 19910424