

Title (en)

Plate cylinder with semi-automatic device for tensioning plates.

Title (de)

Plattenzylinder mit halbautomatischer Plattenspanneinrichtung.

Title (fr)

Cylindre porte-plaque avec dispositif semi-automatique de tension des plaques.

Publication

EP 0612616 A3 19950419 (DE)

Application

EP 93119863 A 19931209

Priority

US 2439193 A 19930224

Abstract (en)

[origin: US5284093A] A rotatable plate cylinder (10) for supporting a printing plate (150) has an open passage (34) and a locking member (26) supported for movement in the passage (34). The locking member (26) is movable inward of the passage (34) to a closed position, and is movable outward of the passage (34) to an open position. The locking member (26) is subjected to a first centrifugal force which urges it to move outward from the closed position toward the open position when the plate cylinder (10) rotates. A balance member (28) is subjected to a second centrifugal force when the plate cylinder (10) rotates. Connecting pins (100) direct the second centrifugal force against the locking member (26) oppositely to the first centrifugal force.

IPC 1-7

B41F 27/12

IPC 8 full level

B41F 27/12 (2006.01)

CPC (source: EP US)

B41F 27/1218 (2013.01 - EP US)

Citation (search report)

- [A] US 4250810 A 19810217 - FOWLER RAYMOND L, et al
- [A] US 4111119 A 19780905 - TAKIZAWA TATSUO, et al
- [A] US 3191532 A 19650629 - HERMACH CARL J, et al

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

US 5284093 A 19940208; DE 4341242 A1 19940825; DE 59305963 D1 19970430; EP 0612616 A2 19940831; EP 0612616 A3 19950419; EP 0612616 B1 19970326

DOCDB simple family (application)

US 2439193 A 19930224; DE 4341242 A 19931203; DE 59305963 T 19931209; EP 93119863 A 19931209