

Title (en)

Sheet transfer cylinder for a rotary printing machine

Title (de)

Bogenführende Trommel für Rotationsdruckmaschinen

Title (fr)

Cylindre de transfert de feuilles pour machines d'impression rotatives

Publication

EP 0705691 B1 19971229 (DE)

Application

EP 95112719 A 19950811

Priority

DE 4433998 A 19940923

Abstract (en)

[origin: US5732628A] A sheet-conveying drum for use between units in a printing machine is provided with a plurality of gripper bridges arranged substantially circumferentially symmetrically on the drum surface. The gripper bridges hold the paper on the drum and include gripper impact strips that are adjustable substantially radially relative to the drum in order to accommodate printing materials of different thickness. Each gripper impact strip is adjusted by means of a positioning device that is arranged on the drum radially inward of the gripper impact strip and mounted so that it can move axially relative to the drum and cam the gripper impact strip radially. The axial movement of the positioning devices is brought about by two actuating devices which are mounted opposite each other on the side frames of the printing machine. The actuating devices are preferably pneumatic cylinders and are adapted so that when they are extended they periodically engage adapters on the free ends of the positioning devices as the drum rotates. When the extended actuating device engages the adaptor the actuating device cams the positioning devices in the axial direction thereby causing the gripper impact strips to move in the radial direction.

IPC 1-7

B41F 21/10

IPC 8 full level

B41F 21/04 (2006.01); **B41F 21/10** (2006.01)

CPC (source: EP US)

B41F 21/10 (2013.01 - EP US)

Cited by

CN103507404A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

US 5732628 A 19980331; AT E161471 T1 19980115; DE 4433998 A1 19960404; DE 59501160 D1 19980205; EP 0705691 A1 19960410; EP 0705691 B1 19971229; JP 2866037 B2 19990308; JP H08108521 A 19960430

DOCDB simple family (application)

US 52951695 A 19950918; AT 95112719 T 19950811; DE 4433998 A 19940923; DE 59501160 T 19950811; EP 95112719 A 19950811; JP 24210395 A 19950920