

Title (en)
PLATE CYLINDER WITH ADJUSTABLE SIDE REGISTERING DEVICE

Publication
EP 0229892 B1 19910320 (DE)

Application
EP 86114635 A 19861022

Priority
DE 3545297 A 19851220

Abstract (en)
[origin: US4748911A] To compensate for expansion and width of printed substrates, for example paper webs, when subjected to damping liquid, printing plates are located on the printing cylinder in axially shiftable adjusted position, so that register can be maintained. The register adjustment arrangement includes coupling elements (10, 13; 11, 14) engageable with an adjustment device (7, 12, 18) and engagement plates or pins (5, 6; 21, 22), the coupling device conjointly being moved by an externally engageable adjustment knob or nut by threaded engagement between the knob and nut, in which the thread coupling between an engagement plate or pin at an outermost plate is at a pitch which is higher than the thread engagement with the engagement pins or plates of a more inwardly placed printing plate. Upon rotation of the adjustment knob or nut, thus, the outermost plate will be moved axially farther than the inwardly moved plate, although both plates moving together. A single adjustment element may be used for plates on both sides of a median line of the cylinder, by forming the threaded arrangement on one side as a right-hand thread and on the other side of the median line, as left-hand thread, or vice versa.

IPC 1-7
B41F 13/16; B41F 27/00

IPC 8 full level
B41F 13/16 (2006.01); **B41F 27/00** (2006.01)

CPC (source: EP US)
B41F 13/16 (2013.01 - EP US); **B41F 27/005** (2013.01 - EP US); **Y10T 74/18616** (2015.01 - EP US)

Cited by
US5913267A; EP0596337A1; DE19600071C1; EP1155838A3; US5806431A; EP0808714A3; GB2227455A; US5016531A; DE102004021625A1; DE102004021625B4; DE4241588A1; US5379694A; US7320282B2; WO0156795A1; WO9635147A1

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0229892 A2 19870729; EP 0229892 A3 19890322; EP 0229892 B1 19910320; DE 3545297 A1 19870702; DE 3545297 C2 19871015; DE 3678265 D1 19910425; JP S62156954 A 19870711; US 4748911 A 19880607

DOCDB simple family (application)
EP 86114635 A 19861022; DE 3545297 A 19851220; DE 3678265 T 19861022; JP 30189086 A 19861219; US 94138286 A 19861215