

Title (en)

SUPPORT FOR FORME CYLINDERS WITH EXCHANGEABLE, SLEEVE-SHAPED PRINTING FORMES IN A PRINTING MACHINE,
PARTICULARLY FOR FLEXOGRAPHIC PRINTING

Publication

EP 0184180 B1 19900808 (DE)

Application

EP 85115295 A 19851203

Priority

- DE 3444192 A 19841204
- DE 3500319 A 19850107

Abstract (en)

[origin: US4697516A] Apparatus for rotatably mounting plate cylinders on a printing machine, such as a flexographic printing machine, that includes removable sleevelike plate cylinder shells, and for facilitating installation and removal of the cylinder shells. During replacement of each plate cylinder shell, one journal of the plate cylinder core is supported by the frame of the printing machine. The other bearing support is withdrawable from the other journal and includes a bearing support bracket that is axially displaceable relative to the axis of the plate cylinder by a carriage carried on tracks that have ends secured to a pivotable yoke to permit the other bearing support to be axially withdrawn from the plate cylinder journal and to pivot outwardly. The tracks are adapted to be locked at their inner ends to the machine frame or to the plate cylinder carriage. The pivotable yoke and the tracks for the bearing bracket constitute the end structure of the plate cylinder carriage on one side thereof and permit quick removal of the plate cylinder shell. Hydraulic piston-cylinder units are provided on both sides of the bearing support which is not withdrawn for supporting the plate cylinder core, and are mounted on the machine frame or on the plate cylinder carriage. The respective piston-cylinder units counterbalance the pivot moment of the plate cylinder to support it when the opposite bearing is removed to permit removal or installation of a plate cylinder.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

EP1010522A1; EP0290853A3; EP0656259A1; EP0279394A3; EP1080890A1; AT403034B; EP0741010A3; EP0485912A1; EP0485913A1

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