

Title (en)

Printing machine, in particular for printing solid and rigid cardboard, with exchangeable printing cylinders.

Title (de)

Druckmaschine, insbesondere zum Bedrucken einer Papierbahn aus schwerem oder hartem Kartonmaterial, mit austauschbaren Druckzylindern.

Title (fr)

Machine à imprimer, en particulier pour imprimer une bande de papier carton massif ou rigide, avec des cylindres d'impression échangeables.

Publication

EP 0573877 A1 19931215 (DE)

Application

EP 93108770 A 19930601

Priority

US 89803992 A 19920612

Abstract (en)

[origin: US5186103A] To permit ready exchange of plate cylinder (13) - blanket cylinder (12) printing couples of different circumferences in a printing machine, the blanket cylinder - plate cylinder printing couple is retained in a cassette (8), with adjustment elements (282, 281, 26) to control the throw-off position of the blanket cylinder in the cassette. The adjustment elements are selectively engageable or disengageable against matching adjustment elements (284, 283) in the printing tower (9). The printing tower adjustably supports an impression cylinder (11) located above the blanket cylinder, when the cassette is installed in the tower, so that printing will be from below. Ink application rollers (361, 362, 363) are force-biased against the respective plate cylinders, and movable in a slide path which is radial with respect to the plate cylinder of the respective diameter, under control of slide feelers (161, 162, 163) engaging a stationary ring (213) in the cassette concentric with the plate cylinder. The impression setting of the impression cylinder (11) is determined by a bearer ring setting element (29) on the cassette, engaged by a support arm (22) for the impression cylinder. The cassette is removable in a removal path (15b) which has an upward movement component, so that it can be picked up by a hoist (17), after removing the web from between the impression cylinder (11) and the blanket cylinder (12), which is below the impression cylinder, and after swinging the impression-cylinder out-of-alignment with the cylinders in the cassette.

Abstract (de)

Um das leichte Austauschen eines Druckzylinderpaars, bestehend aus einem Formzylinder (13) und einem Gummituchzylinder (12) mit verschiedenen Durchmessern in einer Druckmaschine zu erlauben, wird das Paar, bestehend aus dem Gummituchzylinder (12) und dem Formzylinder (13), in einer Kassette (8) festgehalten. Die Kassette (8) weist Verbindungsmittel (282, 281, 26) auf, um die Abstellposition des Gummituchzylinders (12) in der Kassette (8) zu steuern. Die Ausgleichselemente sind selektiv einkuppelbar oder auskuppelbar gegenüber Ausgleichselementen (284, 283) in dem Druckwerksturm (9, 9'). Der Druckwerksturm (9, 9') trägt einen einpaßbaren Gegendruckzylinder (11), der oberhalb des Gummituchzylinders (12) positioniert ist, wenn die Kassette (8) im Druckwerksturm (9, 9') installiert ist, so daß die Bedruckstoffbahn (W) unterhalb des Gegendruckzylinders (11) bedruckt werden kann. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

B41F 13/44 (2013.01 - EP US)

Citation (search report)

- [A] EP 0315917 A2 19890517 - MIYAKOSHI PRINTING MACH [JP]
- [A] DE 1486854 A1 19700806 - MIEHLE GOSS DEXTER INC

Cited by

EP0638419A1; DE19943027C5; EP1754601A1; EP1757447A3; EP0909643B1

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DOCDB simple family (application)

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