

Title (en)

Folding device for a rotary printing machine.

Title (de)

Falzvorrichtung zu einer Rotationsdruckmaschine.

Title (fr)

Dispositif de pliage pour une machine rotative d'impression.

Publication

EP 0019202 A1 19801126 (DE)

Application

EP 80102492 A 19800507

Priority

DE 2920625 A 19790522

Abstract (en)

1. Folding device for a rotary printing machine, for producing folded products, having a cutting cylinder (1), a spiking-pin and folding blade cylinder (2) and abutting this spiking-pin and folding blade cylinder (2), a folding-jaw cylinder, which is designed as a folding blade and folding-jaw cylinder (3) and is followed by a folding-jaw and gripper cylinder (4), the cutting cylinder (1) having two knife bars with cutting knives (11) and the spiking-pin and folding blade cylinder (2) having three folding blade systems (21) and three spiking-pin systems (22), characterised in that the folding blade and folding-jaw cylinder (3) comprises two folding-jaw systems (31) and two folding blade systems (32), and the folding-jaw and gripper cylinder (4) comprises two folding-jaw systems (41) and two gripper systems (42), in that there are also provided on the spiking-pin and folding blade cylinder (2), which is immediately adjacent to the cutting cylinder (1) and whose folding blade systems are designed to be pivotable and respectively displaceable along the periphery of the cylinder, three spiking-pin covers (23) and in each case one controllable cover cam element for putting each second spiking-pin system (22) and folding blade system (21) out of operation, and in that a disengageable folding blade system (32) is formed in the folding blade and folding-jaw cylinder (3), whilst one of the knife bars (11) in the cutting cylinder (1) is releasable or disengageable.

Abstract (de)

Mit der Falzvorrichtung sind verschiedene Falzarten, wie Deltafalz, Zick-Zack-Falz, Doppelparallel- oder ein zweiter Querfalz, möglich. Die Falzvorrichtung umfaßt einen Messerzylinder (1) mit zwei Messerbalken mit Schneidmesser (11), einen dreiteiligen Punktur- und Falzmesserzylinder (2) mit Falzmessersystemen (21), drei Punktursysteme (22) und Punkturabdeckungen (23), einen zweiteiligen Falzmesser- und Falzklappenzyylinder (3) mit zwei Falzklappensystemen (31), zwei Falzmessersysteme (32) und einen zweiteiligen Falzklappen- und Greiferzylinder (4) mit zwei Falzklappensystemen (41). Die einlaufende Papierbahn wird zunächst in einer Querperforiereinrichtung (70, 71), der Zugwalzen (80, 81) nachgeschaltet sind, perforiert. Nach der Falzung erfolgt die Auslage über ein Schaufelrad (90) auf ein Auslegetransportband (91).

IPC 1-7

B41F 13/60; **B65H 45/16**

IPC 8 full level

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CPC (source: EP)

B65H 45/168 (2013.01); **B65H 45/28** (2013.01)

Citation (search report)

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