

Title (en)

Printing unit with skewing and stopping device

Title (de)

Druckwerk mit Schrägstell- und Abstellvorrichtung

Title (fr)

Unité d'impression avec dispositif d'inclinaison et d'arrêt

Publication

EP 0625423 B1 19980805 (DE)

Application

EP 94101154 A 19940127

Priority

US 2650593 A 19930304

Abstract (en)

[origin: US5301609A] A printing unit (10) includes a frame (22), first and second brackets (50, 54), and upper and lower plate cylinders (14, 18). The first bracket (50) is supported on the frame (22) for movement relative to the frame (22). The upper plate cylinder (14) has an end supported to move with the first bracket (50). The second bracket (54) also is supported on the frame (22) for movement relative to the frame (22), and the lower plate cylinder (18) has an end supported to move with the second bracket (54). The printing unit (10) also includes a skewing mechanism and a throw-off mechanism. The skewing mechanism moves the brackets (50, 54) transversely relative to the frame (22) independently of each other. The throw-off mechanism moves the brackets (50, 54) pivotally relative to the frame (22). The throw-off mechanism includes a pressure cylinder (140) and a piston rod (142) connected between the two brackets (50, 54). The pressure cylinder and the piston rod (142) are pivotally connected to the brackets (50, 54) and move pivotally relative to the brackets (50, 54) when the brackets (50, 54) are moved transversely by the skewing mechanism. The throw-off mechanism thus permits the brackets (50, 54) to be skewed independently of each other while remaining connected with each other for throw-off.

IPC 1-7

B41F 13/32; **B41F 13/28**; **B41F 13/14**

IPC 8 full level

B41F 13/14 (2006.01)

CPC (source: EP US)

B41F 13/14 (2013.01 - EP US); **B41P 2227/43** (2013.01 - EP US)

Citation (examination)

- DE 3119879 A1 19820218 - HARRIS CORP [US]
- EP 0105476 A2 19840418 - HARRIS GRAPHICS CORP [US]
- EP 0105477 A2 19840418 - HARRIS GRAPHICS CORP [US]
- US 4214527 A 19800729 - KAMOTA HIROYOSHI [JP]

Cited by

EP0997274A1; DE19944936A1; EP0967078A3; EP0974457A3; EP0956951A1; FR2778599A1; EP0845352A1; FR2756214A1; US5901648A; JP2000025197A

Designated contracting state (EPC)

CH DE FR GB LI NL

DOCDB simple family (publication)

US 5301609 A 19940412; DE 4402389 A1 19940908; DE 59406592 D1 19980910; EP 0625423 A1 19941123; EP 0625423 B1 19980805

DOCDB simple family (application)

US 2650593 A 19930304; DE 4402389 A 19940127; DE 59406592 T 19940127; EP 94101154 A 19940127