

Title (en)

Device for smoothing the sheets on the impression cylinder of a sheet-fed rotary printing machine.

Title (de)

Vorrichtung zur Bogenglättung am Druckzylinder in einer Bogenrotationsdruckmaschine.

Title (fr)

Dispositif pour déplisser les feuilles sur le cylindre d'impression dans une presse rotative à feuilles.

Publication

**EP 0405166 A2 19910102 (DE)**

Application

**EP 90110278 A 19900530**

Priority

DE 3920730 A 19890624

Abstract (en)

[origin: JPH0336033A] PURPOSE: To effectively and sufficiently smooth a printing sheet on an impression cylinder by swingably supporting an air flow nozzle at a swinging shaft parallel to an axis of the cylinder as a center, and connecting it to a driving member to conduct a swingingly moving forward and reverse at the time of an operating stroke of a printer. CONSTITUTION: In order to effectively and sufficiently smooth a printing sheet 1 on a circumference of an impression cylinder 3, air supply nozzles 8 at an interval to a printing gap 5 forward from the gap 5 are directed toward the circumference of the cylinder 3, swingably supported to a swinging shaft 9 as a center. And when a feeding direction of the sheet 1 is observed at the time of an operating stroke of a printer, it is connectible to a driving member 13 to swing forward and backward. The nozzles 8 are constituted as a lead type nozzle. An air flow in a turning angle range  $\beta 1$  is directed toward a rear end of the sheet by turning to a forward position from a return rotated position '0'. Thus, the sheet is raised from the circumference of a conveyor drum 2 and hence not stained.

Abstract (de)

Die Vorrichtung ist zum glatten Anlegen von Druckbogen (1) am Druckzylinder (3) vor dem Druckspalt (5) einer Bogenrotationsoffsetdruckmaschine bestimmt und weist wenigstens eine gegen den Umfang des Druckzylinders (3) richtbare Blasdüse (8) zum Anpressen des Bogens durch die Kraftwirkung strömender Luft auf. Diese Blasdüse (8) ist mit einem Abstand vor dem Druckspalt (5) um eine parallel zur Achse des Druckzylinders (3) liegende Pendelachse (9) pendelbar gelagert und mit einem Antrieb kuppelbar, der die Blasdüse im Arbeitstakt der Maschine schwingend in Laufrichtung des Druckbogens (1) vor- und zurückbewegt.

IPC 1-7

**B41F 25/00**

IPC 8 full level

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CPC (source: EP US)

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