

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 0490087 B1 19941102 (DE)**

Application

**EP 91119118 A 19911111**

Priority

DE 4039311 A 19901210

Abstract (en)

[origin: EP0490087A1] The additional patent describes a device for smooth placing of sheets (1) on the impression cylinder (3) ahead of the printing gap (5) of a sheet-fed rotary offset printing machine, in which device a lance nozzle (8), which can be directed towards the circumference of the impression cylinder (3) and extends over a substantial part of the width of the impression cylinder (3), is provided for pressing the sheet (1) on by the dynamic effect of flowing air. This lance nozzle (8) is mounted with spacing ahead of the printing gap (5) so as to oscillate about an axis (9) of oscillation parallel to the axis of the impression cylinder (3) and can be coupled to a drive which moves the lance nozzle (8) back and forth in phase with the machine, oscillating in the running direction of the sheet (1). In contrast to the principal patent, the lance nozzle (8) has a shape in which the ends are offset relative to a central region in the running direction of the sheet so that a centrally leading smoothing of the sheet (1) takes place from the leading edge to the trailing edge of the sheet and from the centre of the sheet to the two outsides. Preference is given to a lance nozzle (8) which has an arrow-type shape directed with the tip counter to the running direction of the sheet. <IMAGE>

IPC 1-7

**B41F 25/00**; **B41F 21/10**; **B65H 23/24**

IPC 8 full level

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