Title (en)
Device for transferring single sheets to the offset cylinder of a rotary sheet-fed printing press

Title (de)
Vorrichtung zur Übergabe einzelner Bögen an den Druckzylinder einer Bogenrotationsdruckmaschine

Title (fr)
Dispositif pour le transfert des feuilles seules au cylindre presseur d'une presse rotative à feuilles

Publication
EP 0467832 B1 19960828 (DE)

Application
EP 91810527 A 19910705

Priority
CH 241190 A 19900720

Abstract (en)
[origin: US5125336A] The device has a transfer cylinder (2) with a drum (4) which is adjustable in the circumferential direction relative to its shaft (3) and which carries sheet grippers (8) with a front stop (8a) for the sheets (B). The diameter of the transfer drum (2) is equal to 1/N of the diameter of the plate cylinder which carries N printing plates. The shaft (3) of the transfer cylinder (2) rotates at a constant speed and executes N revolutions when the plate cylinder is executing one revolution. By means of a controllable setting device, the drum (4) is so displaced relative to the shaft (3) during each revolution that the front stop (8a), when its transfer position in which a sheet is transferred to the impression cylinder (D) is passed, assumes a position by which the exact register of this sheet in relation to the position of the printing plate printing it on the plate cylinder is set. This guarantees that the width of the front margin between the sheet front edge and print start is of the same size on all the printed sheets, without the need to adjust the printing plates exactly on the plate cylinder in a time-consuming way.

IPC 1-7
B65H 9/00; B41F 21/10

IPC 8 full level
B41F 21/00 (2006.01); **B41F 21/10** (2006.01)

CPC (source: EP KR US)
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AT CH DE FR GB IT LI SE

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EP 0467832 A2 19920122; **EP 0467832 A3 19930728**; **EP 0467832 B1 19960828**; AT E141890 T1 19960915; AU 637750 B2 19930603; AU 7946191 A 19920123; CA 2047473 A1 19920121; CA 2047473 C 20001114; CN 1028979 C 19950621; CN 1060063 A 19920408; DE 59108115 D1 19961002; JP 2951440 B2 19990920; JP H04226759 A 19920817; KR 0163789 B1 19990330; KR 920002335 A 19920228; RU 1838154 C 19930830; UA 19835 A 19971225; US 5125336 A 19920630

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