

Title (en)

Device for the registered positioning of a sheet on the feedboard of a rotary printing press.

Title (de)

Vorrichtung zur registerhaltigen Anlage eines Bogens im Anlegeblech einer Rotationsdruckmaschine.

Title (fr)

Dispositif pour marger en position correcte une feuille sur la table de marge d'une presse rotative.

Publication

EP 0257366 A2 19880302 (DE)

Application

EP 87111208 A 19870804

Priority

DE 3629080 A 19860827

Abstract (en)

[origin: US4824094A] A suction roll sheet transfer device disposed between a sheet feed table and the front lays of a sheet fed rotary printing press including a first set of suction rolls adapted for oscillating movement between a position substantially in the plane of said feed table for engaging successive sheets under suction pressure and transferring the sheet in register toward the front lays of the press and a raised position for engaging a preceeding sheet and separating it from the following sheet disposed therebelow, even when the sheets are in strongly adhering relation to each other during high speed printing operations. Suction pressure is communicated to the suction rolls in predetermined timed intervals, commencing upon retraction of the suction rolls substantially to the plane of the feed table. In a second embodiment, non-displaceable suction rolls are disposed immediately below the plane of the feeder plate upstream of the oscillating suction rolls for engaging successive sheets, under the influence of suction pressure, and guiding the sheets onto the oscillating suction rolls. In that embodiment, deionizers with air nozzles are disposed between the oscillating suction rolls and the non-displaceable suction rolls for directing a timed, pressurized air flow against successive sheets to facilitate separation of the partially overlapping sheets.

Abstract (de)

Um eine registerhaltige Anlage eines Bogens und eine einwandfreie Trennung stark haftender Bogen zu erreichen, sind im Anlegeblech (3) in und gegen die Bogenlaufrichtung hin- und herschwingende Saugrollen (1) vorgesehen, deren Schwenkbewegung so steuerbar ist, daß auf den abziehenden oberen Bogen (13) eine Hubwirkung und sobald die Saugdösen (24) der hin- und herschwingenden Saugrollen (1) annähernd auf die Ebene des Anlegetisches abgesenkt sind auf den nachfolgenden unteren Bogen (6) eine Saugwirkung ausübbar ist. Die hin- und herschwingende Saugrollen (1) sind mit der Geschwindigkeit endloser Bänder (5) des Anlegetisches über ein Zugmittelgetriebe (12) oder dgl. antreibbar.

IPC 1-7

B41F 21/06; B65H 9/14

IPC 8 full level

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CPC (source: EP US)

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