

Title (en)

DEVICE FOR THE REGISTERED POSITIONING OF A SHEET ON THE FEEDBOARD OF A ROTARY PRINTING PRESS

Publication

EP 0257366 B1 19920415 (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.

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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- DD 128414 A1 19771116 - NAUMANN REINHARD

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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