

Title (en)
FEEDER FOR SHEET HANDLING MACHINES

Publication
EP 0088885 B1 19860723 (DE)

Application
EP 83101215 A 19830209

Priority
DE 3209259 A 19820313

Abstract (en)
[origin: US4522388A] A sheet feeding assembly for a printing press including a feed table having a set of front stops and which is inclined downwardly so that a sheet travels toward the front edge of the table where it is temporarily retained in registered position. A port connected to a source of compressed air extends through the table at a position spaced from the front edge of the table. A rear feed plate is seated on the table upstream of the port and a front feed plate is seated on the table downstream of the port, the plates being substantially coplanar with their respective front and rear edges in proximity and uniformly spaced with respect to one another. The front edge portion of the rear feed plate is undercut to form an overhang which defines a transversely extending air conducting cavity which overlaps the port so that an air blast is directed at an angle upwardly and forwardly of the table to lubricate the passing sheet and to urge the sheet in the direction of the front stop. The rear plate is adjustably shiftable to vary the spacing between the plates thereby to vary the rate of discharge of the air. A manually adjustable cam elevates the front edge of the rear plate to a variably upraised position thereby to vary the angle of discharge of the air against the sheet.

IPC 1-7
B65H 5/22; **B65H 9/00**

IPC 8 full level
B41F 21/12 (2006.01); **B65H 5/22** (2006.01); **B65H 9/00** (2006.01); **B65H 9/04** (2006.01)

CPC (source: EP US)
B65H 5/228 (2013.01 - EP US); **B65H 9/00** (2013.01 - EP US)

Citation (examination)
DE 1186473 B 19650204 - PLANETA VEB DRUCKMASCH WERKE

Cited by
EP0165477A3

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0088885 A1 19830921; **EP 0088885 B1 19860723**; AT E20871 T1 19860815; DE 3209259 C1 19831103; DE 3364580 D1 19860828; JP H0157012 B2 19891204; JP S58224939 A 19831227; US 4522388 A 19850611

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EP 83101215 A 19830209; AT 83101215 T 19830209; DE 3209259 A 19820313; DE 3364580 T 19830209; JP 3937583 A 19830311; US 50936783 A 19830630