

Title (en)
Sheet feeding apparatus

Title (de)
Blattzuführvorrichtung

Title (fr)
Dispositif d'alimentation en feuilles

Publication
EP 0762227 A3 19970611 (EN)

Application
EP 96306202 A 19960827

Priority
US 52646995 A 19950911

Abstract (en)
[origin: EP0762227A2] Described herein is a sheet feeding apparatus (70) in which a trailing vacuum plenum (84,92) moves in unison with a guide (78) which engages an edge of a stack (32) to align the sheets thereof. The trailing edge vacuum plenum (84,92) is positioned over the stack (32) to acquire a trailing portion of a sheet. The sheet feeding apparatus (70) includes a leading vacuum plenum (104,106) positioned over the stack (32) to acquire a leading portion of the sheet. A sheet transport (72) advances the sheet acquired by the leading vacuum plenum (104,106) from the stack (32). Fluffer jets (94,96) are employed to inject air between the leading portion and trailing portion of the sheet to assist the sheet transport (72).
<IMAGE>

IPC 1-7
G03G 15/00; **B65H 3/08**; **B65H 3/48**

IPC 8 full level
B65H 3/08 (2006.01); **B65H 3/48** (2006.01); **G03G 15/00** (2006.01)

CPC (source: EP)
B65H 3/0816 (2013.01); **B65H 3/48** (2013.01); **G03G 15/6511** (2013.01)

Citation (search report)
• [A] EP 0272153 A2 19880622 - XEROX CORP [US]
• [DA] US 4451028 A 19840529 - HOLMES MAURICE F [US], et al
• [A] CH 479474 A 19691015 - MILLER PRINTING MACHINERY CO [US]
• [A] US 5150892 A 19920929 - SHIMIZU TADAFUMI [JP]
• [A] US 1718581 A 19290625 - WALTER ROCKSTROH

Cited by
US2023312278A1; EP0927692A1; NL1007943C2; CN111806816A

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0762227 A2 19970312; **EP 0762227 A3 19970611**; BR 9603718 A 19980526; JP H09124171 A 19970513; MX 9603676 A 19970329

DOCDB simple family (application)
EP 96306202 A 19960827; BR 9603718 A 19960910; JP 23047396 A 19960830; MX 9603676 A 19960827