

Title (en)

Sheet delivery apparatus for printing machines or the like.

Title (de)

Bogenausleger für Druckmaschinen oder dergleichen.

Title (fr)

Receveur de feuilles pour machines à imprimer.

Publication

EP 0450333 B1 19931201 (DE)

Application

EP 91103465 A 19910307

Priority

DE 4011286 A 19900406

Abstract (en)

[origin: US5131647A] A sheet delivery for a printing machine or the like with a device for changing a sheet pile while the machine is in operation, includes suction-type grippers insertable into a sheet feeder, opposite to a conveying direction of the sheets and between pile stops for a leading edge of the sheets, the suction-type grippers having a device for gripping by suction, in an inserted end position of the grippers, the leading edge of a sheet deposited onto the suction-type grippers and for holding the sheet at a distance above the sheet pile in an auxiliary-pile position, so as to permit the insertion of an auxiliary-pile device beneath the sheet, and a device for stretching the sheet after the leading edge of the sheet has been gripped by the inserted suction-type grippers, the sheet-stretching device being effective for withdrawing the suction-type grippers a predetermined distance towards the pile stops for the leading edge of the sheet.

IPC 1-7

B65H 31/32

IPC 8 full level

B41F 21/06 (2006.01); **B65H 29/24** (2006.01); **B65H 29/32** (2006.01); **B65H 29/34** (2006.01); **B65H 31/32** (2006.01); **B65H 31/34** (2006.01); **B65H 31/36** (2006.01)

CPC (source: EP US)

B65H 31/32 (2013.01 - EP US); **B65H 2301/42622** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

Cited by

EP0974543A1; EP0773179A3; US9499358B2; WO2011057919A1; US9427927B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0450333 A1 19911009; **EP 0450333 B1 19931201**; AT E97884 T1 19931215; CA 2035937 A1 19911007; CA 2035937 C 19941011; DE 4011286 A1 19911017; DE 4011286 C2 19920416; DE 59100644 D1 19940113; JP H0692532 A 19940405; JP H0755759 B2 19950614; US 5131647 A 19920721

DOCDB simple family (application)

EP 91103465 A 19910307; AT 91103465 T 19910307; CA 2035937 A 19910207; DE 4011286 A 19900406; DE 59100644 T 19910307; JP 9977391 A 19910405; US 68258491 A 19910408