

Title (en)

Conveyor gripper for conveying printed products of one or more sheets

Title (de)

Greifer für eine Fördereinrichtung zum Fördern von ein- oder mehrblättrigen Druckereierzeugnissen

Title (fr)

Pince pour transporter des produits imprimés à une ou plusieurs feuilles

Publication

EP 0557679 B1 19960515 (DE)

Application

EP 93100003 A 19930102

Priority

CH 49692 A 19920219

Abstract (en)

[origin: EP0557679A1] The two gripper parts (5, 6) of a gripper are pivotably mounted on a shaft (12) which for its part is rotatably mounted in a mounting (13). A closing lever is connected in a rotationally fixed manner to this shaft (12), which closing lever bears at its end a follower roll which interacts with stationary closing links. A support part (16) for a compression spring (18) is further connected to the shaft (12) via an expanding ring (17) so as to be rotationally fixed. Said compression spring (18) is supported at its other end on a bearing part (15) which is in one piece with one gripper part (5). A pivot movement of the closing lever results in a corresponding pivoting of the support part (16) in the counterclockwise direction, effecting, via the compression spring (18), a pivoting of one gripper part (5) into the clamping position. This one gripper part (5) is locked in its clamping position in which the compression spring (18) is compressed and exerts a corresponding clamping force. <IMAGE>

IPC 1-7

B65H 29/04

IPC 8 full level

B65G 17/46 (2006.01); **B65G 47/86** (2006.01); **B65H 5/08** (2006.01); **B65H 29/04** (2006.01)

CPC (source: EP KR)

B65H 29/003 (2013.01 - EP KR); **B65H 29/669** (2013.01 - EP KR); **B65H 2301/44712** (2013.01 - EP KR); **B65H 2301/44732** (2013.01 - EP KR); **B65H 2301/4474** (2013.01 - EP KR)

Cited by

EP1260471A1; AU783376B2; EP0709218A1; US6575456B2; EP2386512A1; US8550460B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0557679 A1 19930901; **EP 0557679 B1 19960515**; AT E138043 T1 19960615; AU 3317193 A 19931007; AU 654079 B2 19941020; BR 9300608 A 19930824; CA 2089828 A1 19930820; CA 2089828 C 19990216; DE 59302543 D1 19960620; ES 2089587 T3 19961001; FI 105673 B 20000929; FI 930715 A0 19930218; FI 930715 A 19930820; GR 3020353 T3 19960930; JP H0692504 A 19940405; JP H0784271 B2 19950913; KR 930017793 A 19930920; KR 970009256 B1 19970609; NO 180163 B 19961118; NO 180163 C 19970226; NO 930540 D0 19930216; NO 930540 L 19930820; NZ 245924 A 19950627

DOCDB simple family (application)

EP 93100003 A 19930102; AT 93100003 T 19930102; AU 3317193 A 19930218; BR 9300608 A 19930217; CA 2089828 A 19930218; DE 59302543 T 19930102; ES 93100003 T 19930102; FI 930715 A 19930218; GR 960401722 T 19960627; JP 2661793 A 19930216; KR 930002241 A 19930218; NO 930540 A 19930216; NZ 24592493 A 19930217