

Title (en)

GRIPPER BAR FOR GRIPPING PLATE-LIKE ARTICLES IN A MACHINE FOR PRODUCING PACKAGES

Publication

EP 0448943 A3 19921230 (FR)

Application

EP 91101856 A 19910211

Priority

CH 97990 A 19900324

Abstract (en)

[origin: US5125640A] A gripper bar fitted on drive chains and destined to grip and carry plate shaped sheets of material through printing, cutting and similar machines to produce a package characterized by the bar including a hollow profile on which the grippers are fastened. Every gripper consists of a flat spring attached at one end to a leading edge wall of the bar and having the other free end taking a rest position engaging a gripper counterpart which is situated on the trailing edge of the bar. The flat spring has a length greater than the width of the bar and passes through the bar before reappearing through a window on the trailing edge of the bar.

IPC 1-7

B65H 5/08

IPC 8 full level

B65B 63/00 (2006.01); **B65G 17/46** (2006.01); **B65G 19/20** (2006.01); **B65G 47/90** (2006.01); **B65H 5/08** (2006.01); **B65H 5/14** (2006.01); **B65H 29/04** (2006.01)

CPC (source: EP US)

B65H 5/085 (2013.01 - EP US); **B65H 2801/42** (2013.01 - EP US)

Citation (search report)

- [A] GB 791559 A 19580305 - WILLIAM FRANK GOLDING
- [A] DE 2324642 A1 19741205 - MILLER PRINTING MACHINERY CO
- [A] CH 329064 A 19580415 - BOBST FILS SA J [CH]
- [A] DE 2337210 A1 19750206 - MASCHF AUGSBURG NUERNBERG AG
- [AD] FR 883780 A 19430716 - BOBST FILS SA J
- [AD] GB 1003838 A 19650908 - LINOTYPE MACHINERY LTD
- [AD] DE 2520231 C3 19780810

Cited by

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Designated contracting state (EPC)

AT BE DE DK ES FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0448943 A2 19911002; EP 0448943 A3 19921230; EP 0448943 B1 19940907; AT E111049 T1 19940915; AU 630283 B2 19921022; AU 7284891 A 19911003; BR 9101136 A 19911105; CA 2038120 A1 19910925; CA 2038120 C 19941011; CH 681885 A5 19930615; DE 69103794 D1 19941013; DE 69103794 T2 19950105; DK 0448943 T3 19950213; ES 2058947 T3 19941101; JP H04226234 A 19920814; JP H0729704 B2 19950405; US 5125640 A 19920630

DOCDB simple family (application)

EP 91101856 A 19910211; AT 91101856 T 19910211; AU 7284891 A 19910312; BR 9101136 A 19910322; CA 2038120 A 19910312; CH 97990 A 19900324; DE 69103794 T 19910211; DK 91101856 T 19910211; ES 91101856 T 19910211; JP 6031191 A 19910325; US 67353791 A 19910322