

Title (en)

Method and device for opening folded printing products

Title (de)

Verfahren und Vorrichtung zum Oeffnen von gefalteten Druckereiprodukten

Title (fr)

Procédé et dispositif pour ouvrir des produits d'imprimerie pliés

Publication

EP 0600216 B1 19960501 (DE)

Application

EP 93117237 A 19931025

Priority

CH 372492 A 19921204

Abstract (en)

[origin: EP0600216A1] Folded printed products (20) are held at their fold in a suspended position and are transported supported in their end region (30) remote from the fold. The end section (32) of the first product part (22) which projects relative to the second product part (24) is gripped by a gripper (44), driven in circulation, and held temporarily. An insertion element (54), which is driven at a different speed in relation to the gripper (44), is then inserted in the printed product (20) and, while the gripper (44) and the insertion element (54) are moving away from one another, lifts the second product part (24) from the held first product part (22). When the printed product (20) is open, the gripper (44) releases the first product part (22). <IMAGE>

IPC 1-7

B65H 5/30

IPC 8 full level

B42C 19/00 (2006.01); **B42C 19/08** (2006.01); **B65H 5/12** (2006.01); **B65H 5/30** (2006.01); **B65H 47/00** (2006.01)

CPC (source: EP US)

B65H 5/12 (2013.01 - EP US); **B65H 5/308** (2013.01 - EP US); **B65H 2301/323** (2013.01 - EP US); **B65H 2301/44712** (2013.01 - EP US);
B65H 2301/44795 (2013.01 - EP US)

Cited by

EP0709326A1; US5596932A; EP2837587A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0600216 A1 19940608; EP 0600216 B1 19960501; AT E137470 T1 19960515; AU 5210093 A 19940616; AU 667409 B2 19960321;
CA 2110614 A1 19940605; CA 2110614 C 20040518; DE 59302441 D1 19960605; DK 0600216 T3 19960603; ES 2086852 T3 19960701;
FI 107322 B 20010713; FI 935447 A0 19931203; FI 935447 A 19940605; JP 3379023 B2 20030217; JP H06255882 A 19940913;
NO 179279 B 19960603; NO 179279 C 19960911; NO 934302 D0 19931126; NO 934302 L 19940606; RU 2088508 C1 19970827;
US 5462266 A 19951031

DOCDB simple family (application)

EP 93117237 A 19931025; AT 93117237 T 19931025; AU 5210093 A 19931201; CA 2110614 A 19931203; DE 59302441 T 19931025;
DK 93117237 T 19931025; ES 93117237 T 19931025; FI 935447 A 19931203; JP 33967993 A 19931206; NO 934302 A 19931126;
RU 93053754 A 19931203; US 16038693 A 19931201