

Title (en)

Method and apparatus for separating flat articles.

Title (de)

Verfahren und Vorrichtung zum Vereinzeln von ebenen Teilen.

Title (fr)

Procédé et dispositif de séparation d'articles plans.

Publication

**EP 0328875 B1 19940330 (DE)**

Application

**EP 89100563 A 19890113**

Priority

DE 3804946 A 19880218

Abstract (en)

[origin: EP0328875A2] A method is described for separating paper blanks for the production of packages in which the flat articles (4) lie one above the other in a stack (3). So that the separation is carried out reliably, even with automated feeding of the stacks (3), the invention provides that the stack (3) of the paper blanks (4) is supported lying approximately horizontally at opposing edges (21, 22), the bottom blank (4) is displaced on one side horizontally over the first support of the one side until, on the opposite side, it has lost the support and hangs down in a self-supporting manner, and then is pushed away in the opposite direction also by the first support and falls down. <IMAGE>

IPC 1-7

**B65H 3/30**

IPC 8 full level

**B65H 3/24** (2006.01); **B65H 3/30** (2006.01); **G06F 15/18** (2006.01); **G06J 1/00** (2006.01); **G06N 3/04** (2006.01); **G06N 99/00** (2010.01)

CPC (source: EP KR)

**B65H 3/24** (2013.01 - KR); **B65H 3/30** (2013.01 - EP)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0328875 A2 19890823**; **EP 0328875 A3 19900516**; **EP 0328875 B1 19940330**; AR 244173 A1 19931029; AT E103570 T1 19940415; AU 3008189 A 19890824; AU 619248 B2 19920123; BR 8900732 A 19891017; DE 3804946 A1 19890831; DE 58907314 D1 19940505; DK 71689 A 19890819; DK 71689 D0 19890216; ES 2050724 T3 19940601; FI 890115 A0 19890110; FI 890115 A 19890819; JP H01247342 A 19891003; JP H02181284 A 19900716; KR 890012875 A 19890919; NO 890680 D0 19890217; NO 890680 L 19890821; NZ 228015 A 19911025; TR 25109 A 19920928

DOCDB simple family (application)

**EP 89100563 A 19890113**; AR 31321589 A 19890215; AT 89100563 T 19890113; AU 3008189 A 19890217; BR 8900732 A 19890220; DE 3804946 A 19880218; DE 58907314 T 19890113; DK 71689 A 19890216; ES 89100563 T 19890113; FI 890115 A 19890110; JP 30089 A 19890210; KR 890001080 A 19890131; NO 890680 A 19890217; NZ 22801589 A 19890216; TR 15789 A 19890217