

Title (en)

Device for processing stacks of electrostatic rechargeable flat parts

Title (de)

Vorrichtung zur Verarbeitung von Stapeln aus elektrostatisch aufladbaren Flachteilen

Title (fr)

Dispositif de traitement de piles des pièces plates rechargeables électrostatiquement

Publication

EP 1595836 A1 20051116 (DE)

Application

EP 05015721 A 20040917

Priority

- EP 04022117 A 20040917
- DE 10344192 A 20030922

Abstract (en)

The apparatus advances a web lengthwise in a predetermined direction along a predetermined path. The web has a subdividing arrangement at a portion of the path, so that the web yields a succession of discrete stacks. The advancement device has a first unit at a second portion of the path upstream of the first portion, as seen in the direction, and a second unit at a third portion of the path downstream of the first portion, as seen in the direction. An electrostatic charging device is provided for the web. The device is located in the region of one of the units adjacent to a cutting device. The charging device is located between the subdividing arrangement and one the units. An endless band conveyor having an upper reach is arranged to support a portion of the multi-layer web.

Abstract (de)

Beschrieben wird eine Vorrichtung zur Verarbeitung einer mehrlagigen elektrostatisch aufladbaren Materialbahn zu einzelnen übereinanderliegenden Bögen (12), mit einer Fördervorrichtung zum Transport der Bögen (12), einer elektrostatischen Entladungsvorrichtung (70) zur elektrostatischen Entladung der Bögen (12) und einer stromabwärts von der Fördervorrichtung gelegenen Stapelablage (50) zur Bildung von Stapeln (14) aus den übereinanderliegenden Bögen (12). Das Besondere der Erfindung besteht darin, dass die elektrostatische Entladungsvorrichtung (70) im Bereich der Stapelablage (50) angeordnet ist. <IMAGE>

IPC 1-7

B65H 35/00

IPC 8 full level

B65H 5/22 (2006.01); **B65H 5/00** (2006.01); **B65H 29/18** (2006.01); **B65H 29/24** (2006.01); **B65H 35/00** (2006.01); **B65H 35/04** (2006.01); **B65H 39/16** (2006.01)

CPC (source: EP KR US)

B65H 5/004 (2013.01 - EP US); **B65H 29/18** (2013.01 - EP US); **B65H 29/242** (2013.01 - EP US); **B65H 35/0006** (2013.01 - EP US); **B65H 35/04** (2013.01 - EP US); **B65H 39/16** (2013.01 - KR); **B65H 2301/4212** (2013.01 - EP US); **B65H 2301/44334** (2013.01 - EP US); **B65H 2301/5132** (2013.01 - EP US); **B65H 2301/5133** (2013.01 - EP US); **B65H 2301/5322** (2013.01 - EP US)

Citation (applicant)

DE 4034339 A1 19910711 - FOISIE ROBERT A [US]

Citation (search report)

- [X] DE 2100980 A1 19720803 - CLARK AIKEN INT
- [X] DE 4034339 A1 19910711 - FOISIE ROBERT A [US]

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1516838 A2 20050323; **EP 1516838 A3 20050601**; **EP 1516838 A9 20050727**; **EP 1516838 B1 20080618**; AT E398595 T1 20080715; AT E420835 T1 20090115; AU 2004212613 A1 20050407; BR PI0404018 A 20050524; CA 2482167 A1 20050322; CN 1673057 A 20050928; CN 1673057 B 20101124; DE 10344192 A1 20050504; DE 10344192 B4 20090430; DE 502004007379 D1 20080731; DE 502004008868 D1 20090305; EP 1595836 A1 20051116; EP 1595836 B1 20090114; ES 2306945 T3 20081116; ES 2318386 T3 20090501; JP 2005096997 A 20050414; KR 100704459 B1 20070410; KR 20050029715 A 20050328; PT 1516838 E 20080926; PT 1595836 E 20090310; RU 2004128325 A 20060310; RU 2364566 C2 20090820; US 2005077171 A1 20050414; ZA 200407562 B 20050701

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