

Title (en)

Device for separating flat stacked objects

Title (de)

Vorrichtung zum Vereinzeln gestapelter flacher Gegenstände

Title (fr)

Dispositif pour séparer des objets plats empilés

Publication

EP 0752383 B1 20020515 (DE)

Application

EP 96108751 A 19960531

Priority

- DE 19524878 A 19950707
- DE 19539935 A 19951026

Abstract (en)

[origin: EP0752383A2] The separator has cylindrical tubular rollers (8) running on guidance tracks (6,7) fixed (4,5) to the sides (e.g. 3) of a machine frame. The ends of the rollers are fixed to endless chains. The magazine (12) fitted to the frame sides above the upper set (11) of rollers contains a stack of paper tubes (13) which are extracted by suction boxes (25,26) underlying perforated belt conveyors (17,18) running parallel to each other and driven by motors at different speeds.

IPC 1-7

B65H 9/10; B65H 3/32; B65H 3/08

IPC 8 full level

B65H 9/00 (2006.01); **B65G 59/06** (2006.01); **B65H 3/12** (2006.01); **B65H 3/32** (2006.01); **B65H 9/10** (2006.01)

CPC (source: EP KR US)

B65H 3/12 (2013.01 - KR); **B65H 3/32** (2013.01 - EP US); **B65H 9/105** (2013.01 - EP US); **B65H 2301/42322** (2013.01 - EP US); **B65H 2301/4233** (2013.01 - EP US); **B65H 2404/313** (2013.01 - EP US); **B65H 2404/3132** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

AT DE ES FR GB IT

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EP 0752383 A2 19970108; **EP 0752383 A3 19970611**; **EP 0752383 B1 20020515**; AT E217599 T1 20020615; CN 1064638 C 20010418; CN 1145874 A 19970326; CZ 156296 A3 19970917; DE 19549675 B4 20050217; JP H0930672 A 19970204; KR 100254706 B1 20001002; KR 970006142 A 19970219; US 5785310 A 19980728

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