

Title (en)

Method and device for severing a running web

Title (de)

Verfahren zum Durchtrennen einer laufenden Materialbahn und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Méthode et dispositif pour couper une bande en déplacement

Publication

EP 0997418 A1 20000503 (DE)

Application

EP 99114488 A 19990723

Priority

DE 19848808 A 19981022

Abstract (en)

In a cutter device the cutting prints are located along a line, which is at an angle to the direction of movement of the paper. The new front paper end created by the cutting process is moved towards the empty reel-spool by blown air. A cutter device (6) is moved into the path of the paper between a winding roller (1) and an empty reel-spool on one side, and a reel-spool (2a) with a paper coil (2). The paper length (4) is cut several times across its width by the cutter, so that the cutting prints are located along a line, which is at an angle to the direction of movement (III) of the paper. The new front paper end created by the cutting process is moved towards the empty reel-spool (5) by blown air. The cutter device consists of a driven rotating cutter roller, which moves between rest and cutting positions, and has several cutter elements (10) positioned on its jacket along one or more spiral lines. The rotary speed of the roller is almost synchronized with that of the paper.

Abstract (de)

Verfahren zum Durchtrennen einer laufenden Materialbahn (4), insbesondere einer Papierbahn in einer Aufwickelvorrichtung beim Tambourwechsel, bei welchem eine Trennvorrichtung (6, 23, 24), insbesondere zwischen einer Wickelwalze (1) und einem Leertambour (5) einerseits und einem einen auf der Vorrichtung gebildeten Wickel (2) tragenden Tambour (2a) andererseits, in den Bahnlaufweg bewegt wird, wobei zur Erzeugung einer gewünschten Form der Trennkante die Materialbahn (4) durch die Trennvorrichtung (6, 23, 24) über die Breite der Materialbahn (4) nacheinander an mehreren Stellen durchtrennt wird, so daß die Trennstellen bezogen auf die Materialbahn (4) längs einer zur Bahnlaufrichtung (III) geneigt verlaufenden Linie liegen. <IMAGE>

IPC 1-7

B65H 19/26

IPC 8 full level

B26D 3/10 (2006.01); **B26F 3/00** (2006.01); **B26F 3/02** (2006.01); **B65H 19/26** (2006.01)

CPC (source: EP US)

B26D 3/10 (2013.01 - EP US); **B26F 3/002** (2013.01 - EP US); **B26F 3/02** (2013.01 - EP US); **B65H 19/26** (2013.01 - EP US); **B65H 2301/5151** (2013.01 - EP US); **B65H 2408/236** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT DE FI SE

DOCDB simple family (publication)

US 6464161 B1 20021015; AT E260216 T1 20040315; DE 19848808 A1 20000427; DE 59908631 D1 20040401; EP 0997418 A1 20000503; EP 0997418 B1 20040225

DOCDB simple family (application)

US 41929599 A 19991015; AT 99114488 T 19990723; DE 19848808 A 19981022; DE 59908631 T 19990723; EP 99114488 A 19990723