

Title (en)
Apparatus for transporting web material

Title (de)
Vorrichtung zum Transport von band- oder streifenförmigem Material

Title (fr)
Dispositif pour transporter materiau en bande

Publication
EP 1314668 A3 20040421 (DE)

Application
EP 02022737 A 20021011

Priority
DE 10152162 A 20011025

Abstract (en)
[origin: EP1314668A2] The machine for the transport of strip materials (1), and especially cigarette paper, has a moving tensioner (8,10) to deflect the paper path and keep the paper taut. The drive (12) for the tensioner applies a force on it at a constant level, independently of its position. The paper tension control (2) sets the operation of the tensioner drive so that its position and the driving force are independent of each other to maintain a constant paper tension. The driving force is reduced on detection of a paper irregularity, e.g. an adhesive join, and the tensioner position is set according to the speed of paper travel.

IPC 1-7
B65H 23/04

IPC 8 full level
A24C 5/20 (2006.01); **B65H 23/04** (2006.01); **B65H 23/34** (2006.01)

CPC (source: EP US)
B65H 23/048 (2013.01 - EP US); **B65H 23/34** (2013.01 - EP US); **B65H 2511/112** (2013.01 - EP US); **B65H 2511/212** (2013.01 - EP US); **B65H 2513/10** (2013.01 - EP US); **B65H 2515/31** (2013.01 - EP US); **B65H 2515/32** (2013.01 - EP US); **B65H 2557/61** (2013.01 - EP US)

C-Set (source: EP US)
1. **B65H 2511/112 + B65H 2220/01**
2. **B65H 2511/212 + B65H 2220/02 + B65H 2220/11**
3. **B65H 2513/10 + B65H 2220/02**
4. **B65H 2515/31 + B65H 2220/02**
5. **B65H 2515/32 + B65H 2220/02**

Citation (search report)
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• [XA] US 4022151 A 19770510 - ACHELPOHL FRITZ
• [XA] US 4217085 A 19800812 - LJUNGBERG PER-ALLAN [SE], et al
• [X] US 4048950 A 19770920 - RAKOWICZ JAN ANTONI, et al
• [X] DE 1959065 A1 19700702
• [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09 30 July 1999 (1999-07-30)

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CN101897475A; CN109177488A; EP2255681A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 02022737 A 20021011; AT 02022737 T 20021011; CN 02146074 A 20021025; DE 10152162 A 20011025; DE 50211392 T 20021011; JP 2002307836 A 20021023; PL 35681002 A 20021023; US 28009902 A 20021025