

Title (en)

A unit for generating discrete lengths of paper material from a continuous strip

Title (de)

Einheit zur Erzeugung von Papiermaterial unterschiedlicher Längen aus einer kontinuierlichen Bahn

Title (fr)

Dispositif pour produire des sections discrètes de matériau en papier à partir d'une bande continue

Publication

**EP 1097894 A1 20010509 (EN)**

Application

**EP 00830695 A 20001024**

Priority

IT BO990584 A 19991102

Abstract (en)

Tipping papers (3) used to join filter plugs and cigarette sticks (7) are obtained from a continuous strip (4) caused to advance by pinch rolls (17) along a feed path (P) in a given direction (D), and conveyed at a first tension (Tn1) through a cutting station (5) at which the individual papers (3) are separated by cuts made at a predetermined frequency and synchronously with the operation of a diverter element (24) located between the pinch rolls (17) and the cutting station (5). The diverter element serves to bring about a cyclical variation in the first tension of the strip (4) and is embodied as a cam (25) with a profile (27) having two distinct lobes (28, 29), made to oscillate between two limit positions (PA1, PA2) in which the lobes (28, 29) interact alternately with the strip, diverting it and causing it to assume the first tension (Tn1), and passing through an intermediate position (PAO) in which the strip is allowed to assume a second tension (Tn2) slacker than the first; the cam (25) completes each full cycle between the two limit positions (PA1, PA2) at a frequency equivalent to half the frequency with which the papers are cut. <IMAGE>

IPC 1-7

**B65H 35/08**; **B65H 23/04**

IPC 8 full level

**A24C 5/47** (2006.01); **B65H 23/04** (2006.01); **B65H 35/08** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [DA] US 4943341 A 19900724 - MATTEI RICCARDO [IT]
- [A] US 2957450 A 19601025 - PHILLIPS JR MALCOLM E

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