

Title (en)

Method for treating a web, in particular a paper web

Title (de)

Verfahren zum Behandeln einer Bahn, insbesondere einer Papierbahn

Title (fr)

Procédé de traitement d'une bande, en particulier d'une bande de papier

Publication

EP 1484442 A1 20041208 (DE)

Application

EP 04102026 A 20040511

Priority

DE 10325947 A 20030607

Abstract (en)

In a paper manufacturing process a web (11) of paper or carton feeds between a lower shoe drum (2) with a flexible mantle (5) and a heated overhead drum (3). The two drums form a broad nip (4) between their two faces. The mantle (5) is continually monitored for signs of damage that would indicate the onset of fire. If fire is detected the drums are separated and the web continues through the nip as a fire blanket. Mantle damage is detected by monitoring a change in pressure within a void (8) surrounded by the mantle. The shoe drum is monitored by an optical device e.g. a camera. In the event of a web break the web winds itself around either the top or bottom drum behind the wide nip. The rolled-up web is detached from the drum when the accumulated paper reaches a pre-determined thickness on the drum.

Abstract (de)

Es wird ein Verfahren zum Behandeln einer Bahn (11) angegeben, insbesondere einer Papier- oder Kartonbahn, bei dem die Bahn (11) durch einen Breitnipp (4) geleitet wird, der zwischen einer Schuhwalze (2) mit einem umlaufenden Mantel (5) und einer beheizten Gegenwalze (3) gebildet ist. Man möchte die Brandgefahr vermindern. Hierzu überwacht man den Mantel (5) auf einen Schaden hin, öffnet bei Auftreten eines Schadens den Breitnipp (4) und führt die Bahn (11) weiter zu und verwendet sie als Schutzeinrichtung. <IMAGE>

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Citation (search report)

- [A] US 2002059872 A1 20020523 - BROX ERIK [SE]
- [A] DE 10158909 C1 20030417 - VOITH PAPER PATENT GMBH [DE]
- [A] DE 10157914 A1 20020829 - VOITH PAPER PATENT GMBH [DE]

Cited by

EP2042654A3; EP1693509A1; EP2042654A2; WO2011076575A1

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