

Title (en)

Device for adjusting the tension of a web with an emergency stop device.

Title (de)

Vorrichtung zur Regelung der Spannung einer Druckträgerbahn mit einer Notstoppeinrichtung.

Title (fr)

Dispositif pour le réglage de la tension d'une bande avec un dispositif d'arrêt d'urgence.

Publication

EP 0236702 A1 19870916 (DE)

Application

EP 87100881 A 19870122

Priority

DE 3608182 A 19860312

Abstract (en)

[origin: US4709872A] To provide for controlled braking effort on a selected paper roll (5) from which a web (14) is applied to a utilization machine, and additionally for fast-stop or holding conditions, the roll is coupled to an operating disk brake (10) which receives braking pressure from a regulated pressure source. Additionally, rapid-stop brake calipers forming a rapid-stop brake (11) are applied to the disk, preferably having a higher braking friction coefficient, and controlled from the regulated pressure via a fluid disjunctive or OR-gate valve (42). A magnetic valve (36), controlled by a computer-controller (28), selectively switches the controlled fluid pressure through the OR-gate valve (42) only to the operating brake or to the fast-stop brake and, via a branch connection (46a), also to the operating brake. Under high emergency conditions, or to hold a roll stopped, for example for roll changing, unregulated pressure can be applied to both the operating brake (10) and the fast-stop brake (11) by a further electromagnetically controlled valve (38) connected through a further OR-gate valve (44) to the second output of the first electromagnetically controlled valve (36).

Abstract (de)

Zur Durchführung eines schnell reagierenden, geregelten Notstopps werden die die Bahnspannung jeweils interpretierenden elektrischen Signale über eine Steuer-/Recheneinheit (28) einem elektrisch steuerbaren Druckluftregler (26) zugeführt. Von diesem wird geregelte Druckluft über ein weiteres Magnetventil (36), entweder über ein Oderglied (42) direkt der Bremse (10) für den Normalbetrieb oder bei Notstopp über das Oderglied (44) und direkt der Bremse für den Normalbetrieb und einer Notbremse (11) zugeführt. Somit ist ein geregelter Notstopp über beide Bremsen möglich.

IPC 1-7

B65H 23/06; **B65H 26/00**

IPC 8 full level

B65H 23/06 (2006.01); **B65H 23/182** (2006.01); **B65H 26/04** (2006.01)

CPC (source: EP US)

B65H 23/063 (2013.01 - EP US); **B65H 2403/7253** (2013.01 - EP US)

Citation (search report)

- [A] DE 2843190 A1 19800410 - WEYLAND KG GUSTAV
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EP0312868A3; EP1004528A1; US10093506B2; WO2015000558A1

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