

Title (en)  
DEVICE FOR REGULATING THE TENSION IN A WEB

Publication  
**EP 0013368 B1 19830309 (DE)**

Application  
**EP 79105121 A 19791213**

Priority  
• DE 2855591 A 19781222  
• DE 2855592 A 19781222

Abstract (en)  
[origin: US4288045A] The invention describes a device for controlling the tension of a web discharged from a delivery spool including a compensating roller around which the web is guided to which a tiltingly supported lever is connected the deflection of which influences a pneumatic valve, which provides, in a compressed-air line system including a reduction valve, for the pneumatic pressure of a brake cylinder of a pneumatic brake of a machine processing the web, wherein the lever 4 is engaged by a tension spring with adjustable stroke and the lever is tiltable between two end switches 10, 11, which actuate valves including series-connected reduction valves 14, 15 inserted into one pneumatic line 12, 13 each, both being connected to a compressed-air tank 19 which actuates the brake cylinder 22, the valve actuated in case of a decrease of the tension of the web 1 being inserted into the line under pressure 12 and when actuated by the lever 4 connecting the compressed-air tank 19 to the compressed-air source 15a, and the valve actuated in case of an increase of the tension of the web 1 being inserted into a line 13 leading to the atmosphere and when actuated connecting the compressed-air tank 19 to the atmosphere.

IPC 1-7  
**B65H 25/22**

IPC 8 full level  
**B65H 23/188** (2006.01)

CPC (source: EP US)  
**B65H 23/1888** (2013.01 - EP US); **B65H 2301/3112** (2013.01 - EP US); **B65H 2511/112** (2013.01 - EP US)

Cited by  
DE3608182A1; US4709872A

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0013368 A1 19800723; EP 0013368 B1 19830309**; DE 2965013 D1 19830414; US 4288045 A 19810908

DOCDB simple family (application)  
**EP 79105121 A 19791213**; DE 2965013 T 19791213; US 10573679 A 19791220