

Title (en)  
Device for tensioning ties

Title (de)  
Werkzeug zum Spannen eines Bandes

Title (fr)  
Dispositif pour tendre un lien

Publication  
**EP 0733549 B1 19980610 (DE)**

Application  
**EP 96103500 A 19960306**

Priority  
DE 29504940 U 19950323

Abstract (en)  
[origin: EP0733549A1] The tool tensions material in the form of a band, and fastens or cuts it after tensioning. It has tensioning (3,6) and operating (3,9) actuators, and a valve arrangement (17,19) for releasing the pressure supplied to the actuators when it reaches a predetermined value. The arrangement has a changeover valve (19) and a reducing valve (17) which is connected via a throttled (24) supply line (23) to the tensioning actuator, and which can be adjusted to the pressure corresponding to the required band tension. The changeover valve is connected to the operating actuator, and is influenced by the pressure applied to the tensioning actuator and by a spring (33), which both act to release the supply pressure, and by the pressure upstream of the throttle, which acts to reinstate it.

IPC 1-7  
**B65B 13/18**

IPC 8 full level  
**B65B 13/18** (2006.01)

CPC (source: EP US)  
**B65B 13/188** (2013.01 - EP US)

Cited by  
EP0905024A1; DE19742293A1; DE19742293C2; EP3892552A1; EP1231140A1

Designated contracting state (EPC)  
DE ES FR GB IT PT SE

DOCDB simple family (publication)  
**DE 29504940 U1 19960718**; DE 59600255 D1 19980716; EP 0733549 A1 19960925; EP 0733549 B1 19980610; US 5630450 A 19970520

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**DE 29504940 U 19950323**; DE 59600255 T 19960306; EP 96103500 A 19960306; US 62110696 A 19960322