

Title (en)  
Tensioning unit for a strapping machine

Title (de)  
Spanneinheit für eine Umreifungsmaschine

Title (fr)  
Dispositif de tension pour machine de cerclage

Publication  
**EP 1050462 A3 20020918 (DE)**

Application  
**EP 00107954 A 20000417**

Priority  
DE 19920725 A 19990505

Abstract (en)  
[origin: EP1050462A2] The tensioning unit (10) has a tensioning-head (20) contained in a housing (22). The tensioning-head comprises a tensioning appliance (24). a clamping and closure unit (26). The housing has a web-guide divided into a back and front (40',40) part and positioned behind the clamping and closure unit in the web's direction of travel. Only the front web-guide part, together with t tensioning head is movable in relation to the housing. The back web guide part is movable away across the direction of the web's travel (B) and preferably against spring force, by means of the front web-guide part moved in the web's direction of travel.

IPC 1-7  
**B65B 13/22**

IPC 8 full level  
**B65B 13/22** (2006.01)

CPC (source: EP US)  
**B65B 13/22** (2013.01 - EP US)

Citation (search report)

- [A] DE 19652103 A1 19980618 - SIGNODE BERNPAK GMBH [DE]
- [A] DE 4316907 A1 19931209 - STRAPEX HOLDING AG [CH]

Cited by  
AU2008296658B2; WO2009032498A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1050462 A2 20001108; EP 1050462 A3 20020918; EP 1050462 B1 20031119**; AT E254564 T1 20031215; CA 2307395 A1 20001105; CA 2307395 C 20060912; DE 19920725 A1 20001116; DE 19920725 B4 20040826; DE 50004474 D1 20031224; ES 2209711 T3 20040701; TW 464626 B 20011121; US 6568317 B1 20030527

DOCDB simple family (application)  
**EP 00107954 A 20000417**; AT 00107954 T 20000417; CA 2307395 A 20000502; DE 19920725 A 19990505; DE 50004474 T 20000417; ES 00107954 T 20000417; TW 89108105 A 20000428; US 54835300 A 20000412