

Title (en)
Web slitting machine

Title (de)
Vorrichtung zum Längsschneiden von Bahnen

Title (fr)
Dispositif pour couper des bandes en long

Publication
EP 0377484 B1 19961113 (EN)

Application
EP 90300001 A 19900102

Priority
US 29329889 A 19890103

Abstract (en)
[origin: EP0655302A2] A web slitting machine (10) for cutting a web or roll of material includes an upper carriage assembly (16) joined to a lower blade holder assembly (18) by a selectively removable guide key (38) which is milled to provide a predetermined cant angle for the blade (20). The blade (20) is lowered into position by a piston (54, 58) which is rectangular and includes a torsion-resisting sleeve (60a, 60b) to prevent rotation of the piston about its vertical axis. A pneumatic control provides a plurality of control modes whereby the blade (20) may be raised and lowered with or without locking the upper carriage assembly (16) to its transverse bar (14) and vice-versa. A unique side shift adjustment is provided whereby the blade (20) may be shifted to a half-stroke position and the upper carriage (16) locked when the blade is positioned against a lower knife (22). This ensures that the pressure of the blade (20) against the knife (22) is the pressure exerted at the mid point of the stroke. A parallelogram linkage (210, 212) biased by a spring (224) can provide a shock absorber for maintaining blade/knife contact in the presence of webs moving at high speed.
<IMAGE>

IPC 1-7
B26D 7/26; **B26D 5/04**

IPC 8 full level
B26D 1/24 (2006.01); **B26D 5/04** (2006.01); **B26D 7/26** (2006.01)

CPC (source: EP)
B26D 5/04 (2013.01); **B26D 7/2621** (2013.01); **B26D 7/2635** (2013.01)

Cited by
CN105398869A; CN109023909A; US7918630B2; WO2009021335A1

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

DOCDB simple family (publication)
EP 0377484 A2 19900711; **EP 0377484 A3 19910918**; **EP 0377484 B1 19961113**; AT E145167 T1 19961115; DE 69029097 D1 19961219; DE 69029097 T2 19970306; DE 69033943 D1 20020516; DE 69033943 T2 20021114; EP 0655302 A2 19950531; EP 0655302 A3 19961227; EP 0655302 B1 20020410; JP 2993688 B2 19991220; JP H02224996 A 19900906

DOCDB simple family (application)
EP 90300001 A 19900102; AT 90300001 T 19900102; DE 69029097 T 19900102; DE 69033943 T 19900102; EP 95200073 A 19900102; JP 34497689 A 19891229