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㉕ **Web slitting machine.**

㉖ 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.

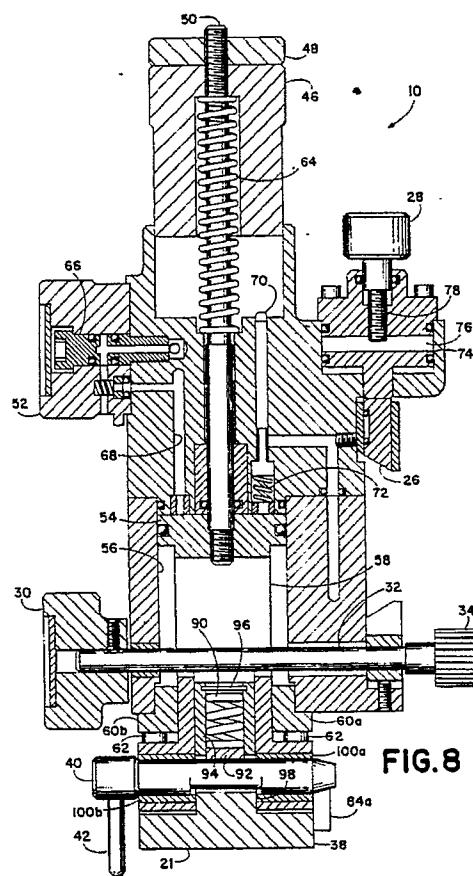


FIG.8



DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D,A	US-A-4 741 234 (COLOMBO) * column 3, lines 24 - 31 ** column 4, lines 5 - 13; figures 1, 2 * - - -	1-5,9-12	B 26 D 7/26 B 26 D 5/04
D,A	US-A-3 186 282 (WATERHOUSE) * column 2, lines 36 - 42 ** column 3, lines 1 - 10; claims 1, 2; figures * - - -	1,8	
P,A	DE-U-8 909 371 (BONNET) * page 5, lines 12 - 21; figures * - - -	5	
A	DE-A-3 437 995 (CAVAGNA) * page 10, lines 2 - 7 ** page 10, lines 24 - 29; figures 2-5 * - - -	13,16,18	
A	GB-A-2 110 147 (STRECKER) * page 2, lines 106 - 121; claim 1; figures * - - -	13,17	
P,A	US-A-4 860 620 (PIZZORNO) * column 4, lines 43 - 56; figure 1 * - - -	21	
A	FR-A-2 206 696 (JAGENBERG-WERKE AG) * claims 1, 2, 4; figure * - - - - -	21	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 26 D
The present search report has been drawn up for all claims			

Place of search	Date of completion of search	Examiner
The Hague	26 July 91	BARROW J.
CATEGORY OF CITED DOCUMENTS		
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date
Y: particularly relevant if combined with another document of the same category		D: document cited in the application
A: technological background		L: document cited for other reasons
O: non-written disclosure	
P: intermediate document		
T: theory or principle underlying the invention		&: member of the same patent family, corresponding document