

Title (en)
Cutting apparatus for machines making wound products.

Title (de)
Schneidvorrichtung für eine Maschine zur Herstellung von gewickelten Produkten.

Title (fr)
Dispositif de coupe pour machines de formage d'articles enroulés.

Publication
EP 0210118 A1 19870128 (FR)

Application
EP 86440064 A 19860722

Priority
FR 8511287 A 19850722

Abstract (en)
1. Cutting apparatus for machines making wound products such as wound tubes subject to a movement of rotation and made from strips of fibrous, cellulose, metallic and other materials and comprising means of cutting which can rock, characterized by the fact that the means of cutting are two cutting elements (66, 67), located practically above one another on a rocking fork-joint (40) formed of two wings (44, 45), whose cutting wire (66, 67) moves following a rocking arc (74, 79), the centre of which is the centre (75) of a joint (41) situated, on the one hand, at one of the extremities (42) of the fork-joint (40) rocking around this joint (41) and, on the other hand, at one of the extremities (42) of a fork (22) the positioning of which, in relation to the fork-joint (40) is ensured by means of adjustment consisting of adjusting nuts (63, 64) moving on threads (61, 62) cut at the extremities (53, 54) of a spindle (52) interposed between the flanks (23, 24) of the fork (22) at the place of the joint (41) and causing the displacement of a hub (43) located between the wings (44, 45) of the fork-joint (40) on the spindle (52), the other extremity (32) of the fork (22) being linked by a connecting spindle (33) to the extremity (34) of a cylinder (35) of which the extremity (36) of the piston (35) is linked by a connecting spindle (38) to the extremity (39) opposite to the extremity of the fork-joint (40) provided with the joint (41), the first cutting element (66) having a penetration stroke (66) slightly less than the thickness (68) of the wall (69) of the wound tube (4) subject to a movement of rotation, and the second cutting element (67) going completely through this wall (60) of the wound tube (4).

Abstract (fr)
Un dispositif de coupe pour machines de formage en continu d'articles enroulés tels que tubes enroulés soumis à un mouvement de rotation et réalisés à partir de bandes en matériaux fibreux, cellulosiques, métalliques et autres pourvu de deux éléments de coupe (66, 67), disposés pratiquement l'un au dessus de l'autre sur une chape basculante (40), dont le fil coupe (70, 72) se déplace selon un arc de basculement (74, 79) dont le centre est le centre (75) d'une articulation (41) autour duquel bascule la chape (40), le premier élément de coupe (66) présentant une course de pénétration (67) légèrement inférieure à l'épaisseur (68) de la paroi (69) du tube enroulé (4) soumis au mouvement de rotation et le second élément de coupe (67) traversant entièrement ladite paroi (69) du tube enroulé (4).

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B26D 1/225 (2013.01); **B26D 3/16** (2013.01); **B26D 7/084** (2013.01)

Citation (search report)
• [A] DE 2931970 A1 19810219 - ROLAND MAN DRUCKMASCH
• [A] US 4506577 A 19850326 - SHINOMIYA TSUTOMU [JP], et al
• [A] US 2940350 A 19600614 - VARN CHARLES F
• [A] DE 2457531 A1 19750619 - POLYGRAPH LEIPZIG
• [AD] FR 2071689 A5 19710917 - GL CORRUGATED MACHINERY
• [AD] FR 2480179 A1 19811016 - SIREIX GEORGES [FR], et al
• [AD] FR 2565520 A1 19851213 - SIREIX GEORGES [FR]

Cited by
CN105922327A; CN104128950A; EP0970784A3; CN110508864A; EP0997242A1; FR2784927A1; US6460759B1; US6558306B2

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