

Title (en)

Apparatus for cutting carton tubes and the like.

Title (de)

Schneidvorrichtung für Rohre aus Papier und sonstigen Materialien.

Title (fr)

Dispositif de coupe automatique des tubes en carton et autres.

Publication

EP 0168334 A1 19860115 (FR)

Application

EP 85440038 A 19850603

Priority

FR 8409176 A 19840608

Abstract (en)

[origin: US4693149A] The invention concerns a device for the automatic cutting of circular tubes of small, medium and large thickness, obtained by gluing together several strips of fibrous, cellulose, metallic, or plastic materials, and generally speaking any materials in strips, and made by using a spiralizer, a profiler or an extruder. This device for automatic cutting is characterized by the fact that it comprises a fixed mandrel (2) on which the circular tube (4) coming from the spiralizer, profiler or extruder turns freely and is driven without constraint either side of the cutting line by counter-rollers (8, 9) subject to a rotary movement synchronized with the speed of rotation of the circular tube (4), this fixed mandrel (2) cooperating for the cut with at least one cutting group provided with a knife milled with two bevelled edges which are very sharp (43) which is immobile in rotation at the moment of cutting. The invention concerns disposable packs.

Abstract (fr)

Un dispositif de coupe automatique de tubes circulaires comportant un mandrin fixe (2) sur lequel tourne librement le tube circulaire (4) et entraîné sans contrainte de part et d'autre de la ligne de coupe par des contre-rouleaux (8, 9) soumis à un mouvement de rotation synchronisé avec la vitesse de rotation du tube circulaire (4), ce mandrin fixe (2) coopérant pour la coupe avec au moins un ensemble de coupe pourvu d'un couteau usiné en double biseau très tranchant (43) immobile en rotation au moment de la coupe.

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Citation (search report)

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