

Title (en)

APPARATUS FOR CUTTING CARTON TUBES AND THE LIKE

Publication

EP 0168334 B1 19880601 (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.

IPC 1-7

B26D 3/16

IPC 8 full level

B23D 21/00 (2006.01); **B23D 21/04** (2006.01); **B26D 3/00** (2006.01); **B26D 3/16** (2006.01)

CPC (source: EP US)

B26D 3/16 (2013.01 - EP US); **Y10T 82/16065** (2015.01 - EP US); **Y10T 82/16131** (2015.01 - EP US); **Y10T 82/16951** (2015.01 - EP US); **Y10T 82/16967** (2015.01 - EP US)

Cited by

US5027681A; EP0786315A1; CN102950607A; CN113635380A; US4827816A; US4930379A; CN110153389A; WO8704655A1; WO8704656A1; WO8806934A1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0168334 A1 19860115; **EP 0168334 B1 19880601**; AT E34691 T1 19880615; DE 3562996 D1 19880707; FR 2565520 A1 19851213; FR 2565520 B1 19860905; JP S6195896 A 19860514; US 4693149 A 19870915

DOCDB simple family (application)

EP 85440038 A 19850603; AT 85440038 T 19850603; DE 3562996 T 19850603; FR 8409176 A 19840608; JP 12353285 A 19850608; US 74095885 A 19850604