

Title (en)

Process and apparatus for manufacturing of resilient, ball shaped articles

Title (de)

Verfahren und Vorrichtung zur Herstellung formbeständiger, kugelförmiger Körper

Title (fr)

Procédé et dispositif pour la fabrication d'articles durs en forme de balles

Publication

EP 0669176 B1 19981111 (DE)

Application

EP 95102357 A 19950220

Priority

- AT 38994 A 19940225
- AT 239494 A 19941223

Abstract (en)

[origin: EP0669176A2] A length of foil is given perforation-type cuts. These are stretched in width, and then folded, cut to length, and rolled cylindrically. The ends are twisted, and the elements are rolled continuously to form spherical formed bodies. The foil length is stretched to pref. three times its width, and is then folded to double pref. treble layers. The cut cylindrical parts are twice as long as their diameter. The device to carry out the process, consists of a cutter unit (2) with stacked rollers. These have blade-like upper smooth cutter knives (3) and intermediate discs (4), and lower cutting knives (5).

IPC 1-7

B21D 51/08

IPC 8 full level

B21D 51/08 (2006.01)

CPC (source: EP KR)

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Cited by

AT411653B; CN104554852A; AT410186B; US7913723B2; US8267128B2

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CH DE ES FR GB GR IT LI SE

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ES 2126799 T3 19990401; GR 3029303 T3 19990528; KR 100351771 B1 20030809; KR 950031807 A 19951220

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