

Title (en)

Twist tie ribbon feed, cut and tie apparatus and method of same.

Title (de)

Vorrichtung und Verfahren zum Zuführen, Schneiden und Verdrillen eines Bandes.

Title (fr)

Dispositif et méthode pour alimenter, couper et torsader un ruban.

Publication

**EP 0596616 A3 19950301 (EN)**

Application

**EP 93308191 A 19931014**

Priority

US 97270992 A 19921106

Abstract (en)

[origin: EP0596616A2] An apparatus for advancing a plurality of different predetermined lengths of twist tie ribbon is disclosed. The apparatus includes a guide for guiding the ribbon along a feed path and a pair of opposed rollers for displacing the twist tie ribbon therebetween. A first of the rollers has first and second circumferential portions and is displaceable toward and away from the second roller. The second of the rollers has a first circumferential portion in registration with the first circumferential portion of the first roller and carries a plurality of biasing segments. At least all but one of the biasing segments are slidably mounted on the second roller. The biasing segments are slidable between a first position at which the biasing segments do not contact the second peripheral portion of the first roller, and a second position, wherein the biasing segments contact the first roller and displace the first roller out of engagement with the tie ribbon, so that the tie ribbon is not displaced by the pair of opposed rollers. The advancing apparatus is readily integratable into a twist tie machine that is capable of wrapping a plurality of different sized objects. The predetermined lengths of ribbon are delivered to an operating position, at which they move a slide which mechanically displaces a hoop to bring the free end of the ribbon to an interior region thereof. In response to the displacement of the slide, the length of ribbon is cut-off and twisted.

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CPC (source: EP)

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Citation (search report)

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DOCDB simple family (application)

**EP 93308191 A 19931014**; CA 2106655 A 19930921; JP 29596993 A 19931102; MX 9306472 A 19931018