

Title (en)
BANDING DEVICE

Title (de)
BANDEROLIERVORRICHTUNG

Title (fr)
DISPOSITIF DE CERCLAGE

Publication
EP 3288833 B1 20181128 (EN)

Application
EP 16726992 A 20160427

Priority
• US 201562154395 P 20150429
• US 2016029468 W 20160427

Abstract (en)
[origin: WO2016176272A1] A device (11) for applying a non-elastic plastic band (17) securely around an article of commerce (12) and its associated packaging (13) includes a substantially automated feed mechanism (21) for extracting the band from a continuous film at a modifiable length and tension. The feed mechanism includes a pair of arcuate guides (33) that assist in directing the band through a first hole in the packaging, across the article, and through a second hole in the packaging so the ends of the band are disposed on the same side of the packaging. A sensor (42) uses machine readable features within the film to detect film positioning within the device. A clamping device (22) retains the ends of the band together in an overlapping relationship. The trailing end of the band is separated from the remainder of the continuous film by a severing mechanism (24). Thereafter, the ends of the band are then permanently bonded together by a thermal bonding mechanism (23), thereby securing the band in its closed loop configuration around the article and its packaging.

IPC 8 full level
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CPC (source: EP KR US)
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Designated contracting state (EPC)
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