

Title (en)

AUTOMATIC STRAPPING MACHINE WITH TENSIONING AND SEALING TOOLS

Publication

EP 0194627 A3 19871125 (DE)

Application

EP 86103156 A 19860308

Priority

- DE 3508835 A 19850313
- DE 3508837 A 19850313

Abstract (en)

[origin: US4689938A] An automatic wrapping machine including a guiding device for guiding a wrapping band from a supply, a loop forming device for looping the wrapping band around an object and a tensioning and fastening apparatus for the wrapping band. The tensioning and fastening apparatus includes a driving assembly, a tensioning assembly, a pair of wrapping band holders, an electrode plunger, and a movable plate assembly. The movable plate assembly preferably includes an upper plate and a lower plate which are slidable relative to one another so as to expose a counter electrode mounted on the lower plate when fastening or welding of the looped band is desired. The movable plate assembly is also preferably mounted for reciprocal movement relative to the frame of the apparatus to enable removal of the welded band loop.

IPC 1-7

B65B 13/32; **B65B 13/22**

IPC 8 full level

B65B 13/22 (2006.01); **B65B 13/32** (2006.01)

CPC (source: EP US)

B65B 13/327 (2013.01 - EP US)

Citation (search report)

- DE 2353263 A1 19750430 - HELFF JOACHIM
- DE 1586203 B1 19710812 - NICHIRO KOGYO K K
- DE 2343368 A1 19740404 - TAKAMI MASAHO
- EP 0019039 A1 19801126 - INTERLAKE INC [US]
- FR 2176842 A1 19731102 - THAELMANN SCHWERMASCHBAU VEB [DD]

Cited by

WO2011042191A1; US5894789A; WO2011134634A2; DE102011017431A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0194627 A2 19860917; **EP 0194627 A3 19871125**; **EP 0194627 B1 19901107**; CA 1301046 C 19920519; DE 3675410 D1 19901213; US 4689938 A 19870901

DOCDB simple family (application)

EP 86103156 A 19860308; CA 504073 A 19860313; DE 3675410 T 19860308; US 83917486 A 19860312