

Title (en)

Apparatus for packaging products with heat-shrink film

Title (de)

Vorrichtung zum Verpacken von Produkten mit einer wärmeschrumpfbaren Folie

Title (fr)

Appareil pour emballer des produits avec un film thermorétractable

Publication

EP 1686059 B1 20100331 (EN)

Application

EP 06113739 A 20050518

Priority

- EP 05425334 A 20050518
- IT BO20040337 A 20040526

Abstract (en)

[origin: EP1686059A1] An apparatus for packaging products (1) comprises: a first conveyor (4) and a second conveyor (5) for transporting products (1) along a feed line (A); the first conveyor (4) is adjustable in length so that it can move towards and away from the second conveyor (5); a portal frame (6) positioned at the first conveyor (4) for mounting a plurality of pairs of rolls (7, 8); actuating means (9) for moving the rolls (7, 8) of a selected pair away from each other in a vertical direction for positioning a section of film (2) transversely to the feed line (A); means (10) for guiding the selected film (2) and forming a broken-line configuration intercepted by the products (1); each roll (7, 8) is placed inside a respective bin (13, 14); each pair of bins (13, 14) containing a respective pair of rolls (7, 8) and being mobile, thanks to suitable means (17), between a working position in which the rolls (7, 8) are positioned under the first conveyor (4) and an idle position in which the pair of bins (13, 14) has moved in a direction (P) perpendicular to the feed line (A) to a position outside the space defined by the first conveyor (4) and the portal frame 6.

IPC 8 full level

B65B 9/02 (2006.01); **B65B 41/12** (2006.01); **B65B 41/16** (2006.01); **B65B 59/00** (2006.01)

CPC (source: EP US)

B65B 9/026 (2013.01 - EP US); **B65B 41/16** (2013.01 - EP); **B65B 59/001** (2019.05 - EP US); **B65B 59/003** (2019.05 - EP US); **B65B 59/005** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1602581 A2 20051207; **EP 1602581 A3 20060329**; **EP 1602581 B1 20070718**; AT E367310 T1 20070815; AT E462649 T1 20100415; DE 602005001658 D1 20070830; DE 602005020243 D1 20100512; EP 1686059 A1 20060802; EP 1686059 B1 20100331; ES 2290875 T3 20080216; ES 2342554 T3 20100708; IT BO20040337 A1 20040826

DOCDB simple family (application)

EP 05425334 A 20050518; AT 05425334 T 20050518; AT 06113739 T 20050518; DE 602005001658 T 20050518; DE 602005020243 T 20050518; EP 06113739 A 20050518; ES 05425334 T 20050518; ES 06113739 T 20050518; IT BO20040337 A 20040526