

Title (en)

Apparatus for packaging products with heat-shrink film

Title (de)

Vorrichtung zum Verpacken von Gegenständen mittels Schrumpffolie

Title (fr)

Dispositif pour le conditionnement de produits sous film plastique rétractable

Publication

**EP 1602581 A3 20060329 (EN)**

Application

**EP 05425334 A 20050518**

Priority

IT BO20040337 A 20040526

Abstract (en)

[origin: EP1602581A2] An apparatus for packaging products (1) with film (2) comprises: a first conveyor (4) and a second conveyor (5) for transporting products (1) along a feed line (A); the first conveyor (4) is equipped with an end section (4a) that 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) and designed to mount 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 in such a way as to position a section of film (2) transversely to the feed line (A); means (10) for guiding the selected film (2) so it forms a broken-line configuration that is intercepted by the products (1); a part of the portal frame (6) located under the first, infeed conveyor (4), is equipped with housings (11) for accommodating respective pairs of film (2) rolls (7, 8); one of the rolls (8) in each pair (7, 8) is fitted with actuating means (9) that move it away from the other roll (7) and raise it towards the top of the portal frame (6), that is to say, to a position above the first conveyor (4).

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** (2019.04 - EP US); **B65B 59/003** (2019.04 - EP US); **B65B 59/005** (2013.01 - EP US)

Citation (search report)

- [XA] EP 0939031 A2 19990901 - GIUNTI RENZO ERREGI DI [IT]
- [PXPA] EP 1479608 A1 20041124 - BIESSE SPA [IT]
- [X] EP 1310427 A1 20030514 - CONSTRUCCIONES METALICAS JOSE [ES]

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Designated contracting state (EPC)

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**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

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