

Title (en)

An apparatus for wrapping groups of products with plastic film

Title (de)

Vorrichtung zum Umhüllen von Gegenständen mit Umhüllungsfolie

Title (fr)

Dispositif pour envelopper des produit avec un film en plastique

Publication

**EP 1489003 A1 20041222 (EN)**

Application

**EP 04425441 A 20040615**

Priority

IT BO20030383 A 20030620

Abstract (en)

An apparatus for wrapping groups (1) of products with plastic film comprising: a horizontal surface (3) for supporting the group (1) and feeding it in a direction (A), the surface (3) being divided into two portions (3a, 3b) positioned on opposite sides of a ring (4) equipped with means (5) for dispensing film (F) around the group (1) of products passing through the ring (4), and in such a way as to wrap the group (1) of products in a spiral and according to a predetermined direction (V); a film (F) gripping and cutting unit (6) designed to allow the formation of a wrapping tail end (C) for the group (1) of products; the unit (6) being positioned close to the ring (4) and at the portion (3a) of the surface (3) upstream of the ring (4) relative to the direction of feed (A), and wrapped by the film (F); means (7) for joining the film (F) acting on a section (T) of film (F) wrapped around the group (1) and positioned close to the gripping and cutting unit (6) so as to allow the section (T) of film (F) subsequently forming part of the tail end (C) to be joined to the coils (S) of film above, in this way stably sealing the wrapping on the group (1) of products. <IMAGE>

IPC 1-7

**B65B 11/00**

IPC 8 full level

**B65B 11/00** (2006.01)

CPC (source: EP)

**B65B 11/008** (2013.01)

Citation (applicant)

IT 1305805 B1 20010516 - ROBOPAC SISTEMI SRL [IT]

Citation (search report)

- [Y] US 4545182 A 19851008 - MCDOWELL JR KENNETH J [US]
- [Y] US 4317322 A 19820302 - LANCASTER PATRICK R, et al
- [A] US 4549388 A 19851029 - LANCASTER WILLIAM G [US]
- [A] US 4593518 A 19860610 - LANCASTER WILLIAM G [US]

Cited by

FR2998271A1; CN105836202A; CN106829024A; IT201600103903A1; CN109843729A; CN117342054A; US11111038B2; WO2018073045A1; WO2007107586A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1489003 A1 20041222**; IT BO20030383 A1 20041221

DOCDB simple family (application)

**EP 04425441 A 20040615**; IT BO20030383 A 20030620