

Title (en)

Apparatus for covering groups of products with tubular stretch film

Title (de)

Vorrichtung zum Umhüllen von gruppierten Artikeln mit einem Stretchfolienschlauch

Title (fr)

Dispositif pour envelopper des articles groupés avec un film tubulaire étirable.

Publication

EP 1580128 A1 20050928 (EN)

Application

EP 05425166 A 20050323

Priority

IT BO20040174 A 20040326

Abstract (en)

An apparatus for covering groups (1) of products with tubular stretch film (2), closed at one end to form a hood, comprises at least: a frame (4) inside which the group (1) of products is placed; a unit (5) for stretching a portion of film (2) in a configuration where it is open and folded in concertina fashion; the stretching unit (5) comprising a plurality of arms (6 - 9) each consisting of a first section (10) for receiving the film (2) and a second section (11) by which each arm (6 - 9) is connected to the frame (4); the arms (6 - 9) being acted upon by horizontal translational drive means (12a) and vertical drive means (12b) which, respectively, at least stretch the film (2) and move it downwards along the frame (4) in such a way as to cover the product group (1) to a height close to a working surface (S) for covering the product group (1); each arm (6 - 9) being further equipped with film (2) retaining means (13) located and operating in the region of the first arm section (10) so as to retain a part of a free edge (2a) of the film (2) unwound until the film (2) itself, by a suitable movement of the arms (6 - 9), is positioned under the working surface (S).

IPC 1-7

B65B 9/13

IPC 8 full level

B65B 9/13 (2006.01)

CPC (source: EP)

B65B 9/135 (2013.01)

Citation (search report)

- [X] US 6032439 A 20000307 - BIRKENFELD RICHARD [DE], et al
- [X] DE 9001319 U1 19900412
- [X] EP 1048565 A1 20001102 - KL LACHENMEIER A S [DK]
- [A] US 5247783 A 19930928 - HANNEN REINER W [DE]
- [A] DE 4327450 C1 19950105 - MOELLERS MASCHF GMBH [DE]
- [A] EP 0461667 A1 19911218 - BEUMER MASCHF BERNHARD [DE]
- [A] EP 1207109 A1 20020522 - THIMON SOC [FR]

Cited by

EP1818261A1; EP2623422A1; CN103241400A

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 1580128 A1 20050928; IT BO20040174 A1 20040626

DOCDB simple family (application)

EP 05425166 A 20050323; IT BO20040174 A 20040326