

Title (en)
APPARATUS FOR WRAPPING WITH A FILM

Title (de)
WICKELVORRICHTUNG

Title (fr)
APPAREIL D'EMBALLAGE AVEC UN FILM

Publication
EP 3245135 B1 20181128 (EN)

Application
EP 16709113 A 20160114

Priority
• IT BO20150010 A 20150115
• IB 2016050166 W 20160114

Abstract (en)
[origin: WO2016113695A1] A wrapping apparatus for wrapping groups (61) of products (60) with a film (50) comprises conveyor means (21, 22, 23) for supporting and moving groups (61) of products (60) along an advancing direction (A); a feeding unit (2) of the film (50) for dispensing film portions (51) of defined length through a transverse opening (24) of the conveyor means (21, 22, 23); a wrapping unit (3) comprising a plurality of crossbars (4) supported by respective rods (5) and arranged for picking the film portions (51) coming out from the transverse opening (24) and wrapping the film portions around the groups (61) of products (60) and hub means (8), rotatable around a rotation axis (X) and slidably supporting the rods (5) so that the latter ones are mobile linearly and transversely to the rotation axis (X) and rotatably around the rotation axis (X), the crossbars (4) being moved along a wrapping trajectory (T); and guiding means (6, 7) engaged by the rods (5) and/or by the crossbars (4) for guiding the latter ones along the wrapping trajectory (T) changing a distance of the crossbars (4) from the rotation axis (X) during a rotation of the respective rods (5), said rods (5) being coupleable in a removable manner to the hub means (8) so as to change the number of the rods (5) and the respective crossbars (4) and an angular distance between the rods (5) around the rotation axis (X) according to dimensions of products (60) and/or a pitch (p) between successive groups (61) of products (61).

IPC 8 full level
B65B 53/06 (2006.01); **B65B 11/10** (2006.01); **B65B 21/24** (2006.01); **B65B 59/00** (2006.01); **B65B 59/04** (2006.01)

CPC (source: EP US)
B65B 11/10 (2013.01 - EP US); **B65B 21/245** (2013.01 - EP US); **B65B 53/063** (2013.01 - EP US); **B65B 59/001** (2019.04 - EP US);
B65B 59/04 (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016113695 A1 20160721; EP 3245135 A1 20171122; EP 3245135 B1 20181128; ES 2713450 T3 20190521; US 2017361956 A1 20171221

DOCDB simple family (application)
IB 2016050166 W 20160114; EP 16709113 A 20160114; ES 16709113 T 20160114; US 201615543388 A 20160114