Title (en)

METHOD AND APPARATUS FOR PACKING ITEMS, LIQUID OR LOOSE MATERIAL IN FILM BAGS, AND A BAG WEB

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERPACKUNG VON ARTIKELN, FLÜSSIGGUT ODER SCHÜTTGUT IN FOLIENBEUTEL UND BEUTELBAHN

Title (fr)

PROCÉDÉ ET APPAREIL D'EMBALLAGE D'ARTICLES, DE MATÉRIAU LIQUIDE OU EN VRAC DANS DES SACS EN PELLICULE, ET BANDE DE SACS

Publication

EP 3160863 A1 20170503 (EN)

Application

EP 15815721 A 20150626

Priority

- DK PA201470403 A 20140630
- DK 2015050189 W 20150626

Abstract (en)

[origin: WO2016000717A1] There is disclosed a method for packing articles, liquid or loose material in film bags which are conveyed through a filling station in a continuous web of bag items, wherein the bag openings are kept open for reception of articles, after which the bags are closed and separated from the web. In order to increase the filling rate and make the bags cheaper, the bag web is provided with a central support region extending longitudinally of the bag web and connecting bag items that are disposed side by side transversely of the web. The central support region is conveyed on a support rail along the conveyor path through the filling station and formed as an entirely or partially closed channel. The peripheral areas of the bag items at the outermost opposite bag opening edges of two juxtaposed bag items are brought into guiding connection with guide means adapted for retaining and guiding edge areas at opposing bag opening edges along a conveyor path through the filling station. In connection with this passage, the guide means will force the bag opening edges apart for successive opening of the bags in the filling station, and then, after filling the bags, joining the bag opening edges for closing the bags again.

IPC 8 full level

B65D 30/22 (2006.01); **B65B 9/08** (2012.01); **B65B 43/06** (2006.01); **B65B 43/12** (2006.01); **B65B 43/26** (2006.01)

CPC (source: EP RU US)

B65B 1/04 (2013.01 - RU US); **B65B 3/04** (2013.01 - RU US); **B65B 9/08** (2013.01 - EP US); **B65B 43/123** (2013.01 - EP RU US); **B65B 43/267** (2013.01 - EP RU US); **B65B 43/52** (2013.01 - RU US); **B65B 43/54** (2013.01 - US); **B65B 51/22** (2013.01 - US); **B65B 61/04** (2013.01 - US); **B65D 75/42** (2013.01 - RU US)

Cited by

WO2022033647A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016000717 A1 20160107; AU 2015283316 A1 20161027; BR 112016026504 A2 20170815; CA 2953725 A1 20160107; CL 2016003369 A1 20170818; CN 106458372 A 20170222; CN 106458372 B 20190604; DK 178173 B1 20150720; DK 3160863 T3 20190520; EP 3160863 A1 20170503; EP 3160863 A4 20180314; EP 3160863 B1 20190417; ES 2730082 T3 20191108; JP 2017518930 A 20170713; MX 2016016579 A 20170802; RU 2016148203 A 20180730; RU 2016148203 A3 20181121; RU 2698212 C2 20190823; US 2017137155 A1 20170518

DOCDB simple family (application)

DK 2015050189 W 20150626; AU 2015283316 A 20150626; BR 112016026504 A 20150626; CA 2953725 A 20150626; CL 2016003369 A 20161228; CN 201580024033 A 20150626; DK 15815721 T 20150626; DK PA201470403 A 20140630; EP 15815721 A 20150626; ES 15815721 T 20150626; JP 2016567915 A 20150626; MX 2016016579 A 20150626; RU 2016148203 A 20150626; US 201515309887 A 20150626