

Title (en)

METHODS AND PLASTICS FILMS FOR HANDLING ITEMS

Title (de)

VERFAHREN UND KUNSTSTOFFFOLIEN ZUR HANDHABUNG VON ARTIKELN

Title (fr)

PROCÉDÉS ET FILMS EN PLASTIQUE POUR MANIPULATION D'OBJETS

Publication

EP 3097023 A1 20161130 (EN)

Application

EP 15701400 A 20150122

Priority

- GB 201401100 A 20140123
- GB 2015050139 W 20150122

Abstract (en)

[origin: WO2015110812A1] Items (30) are unitised into a package (31) by applying an apertured member (1) to an array of items (30) using a roller. The apertured member (1) has a series of apertures (2) each accommodating an item (30) within edge portions (10), with inter web portions (6) between the apertures (2). A release member (3) is attached at one edge (4) of the apertured member (1) for interacting with the inter web portions (6) to sequentially release items (30) from the package (31) without disturbing the array of items (30). The package can be used as a carrier for depositing items (30) directly to stock shelving or vending machines quickly by a single linear pull action upon the release member (3) first releasing the array of items to the shelving or vending machine and finally removing the apertured plastics carrier.

IPC 8 full level

B65D 71/50 (2006.01)

CPC (source: EP US)

B65B 15/00 (2013.01 - US); **B65D 71/504** (2013.01 - EP US)

Citation (search report)

See references of WO 2015110812A1

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 2015110812 A1 20150730; CA 2934200 A1 20150730; EP 3097023 A1 20161130; EP 3097023 B1 20180314; ES 2669723 T3 20180529; GB 201401100 D0 20140312; PT 3097023 T 20180515; US 2017043924 A1 20170216

DOCDB simple family (application)

GB 2015050139 W 20150122; CA 2934200 A 20150122; EP 15701400 A 20150122; ES 15701400 T 20150122; GB 201401100 A 20140123; PT 15701400 T 20150122; US 201515107047 A 20150122