

Title (en)
SEPARATOR FOR BOTTLE-TYPE OBJECTS AND ASSOCIATED TEMPLATE

Title (de)
SEPARATOR FÜR FLASCHENARTIGE OBJEKTE UND ZUGEHÖRIGE VORLAGE

Title (fr)
SÉPARATEUR D'ARTICLES DU TYPE BOUTEILLES ET FLAN ASSOCIÉ

Publication
EP 3466832 A4 20191225 (EN)

Application
EP 16903380 A 20161025

Priority
• CL 2016001336 A 20160601
• CL 2016000063 W 20161025

Abstract (en)
[origin: EP3466832A1] A separator (1) of items of the bottle type from a cardboard template, with said separator (1) comprising a longitudinal partition wall (10) that separates two opposing rows (B) of bottles and a set of vertical foldable flaps that prevent the lateral contact between bottles (C, D) of the same row, where the separator comprises a first type of sheet (11) and a second type of sheet (12), where each sheet (11) and (12) has a central partition wall (110), (120) and two vertical, equidistant each other flaps (111), (121), with each flap (111), (121) comprising two vertical adjacent portions, one distal portion (112), (122) and one proximal portion (113), (123); with said flaps (111), (121) being joined to its corresponding sheet (11), (12) through vertical folding lines (114), (124) and where these folding lines are located in the vertical direction of the partition wall (10) and are laterally displaced in relation to an imaginary plane (E) which is perpendicular to the partition wall, going through bottles (C, D) of the same row (B) of bottles, where this displacement (x) is equal to about one fourth the bottle diameter.

IPC 8 full level
B65D 57/00 (2006.01); **B65D 5/48** (2006.01); **B65D 5/49** (2006.01); **B65D 5/494** (2006.01)

CPC (source: EP US)
B65D 5/48 (2013.01 - US); **B65D 5/48028** (2013.01 - US); **B65D 5/48036** (2013.01 - EP); **B65D 5/5035** (2013.01 - US);
B65D 57/005 (2020.05 - US)

Citation (search report)
• [ID] US 3263893 A 19660802 - WEISS ARTHUR J
• [XI] ES 2400123 A2 20130405 - NORMANDE DE CARTON ONDULE SNCO SOC [FR], et al
• [I] EP 2592009 A1 20130515 - RTS PACKAGING LLC [US]
• [A] WO 2006024106 A1 20060309 - AMCOR LTD [AU], et al
• See references of WO 2017205991A1

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)
EP 3466832 A1 20190410; **EP 3466832 A4 20191225**; AR 109876 A1 20190130; AU 2016408568 A1 20180719;
BR 112018015315 A2 20181218; CA 3010270 A1 20171207; CL 2018001697 A1 20180928; CN 108602594 A 20180928;
CN 108602594 B 20200228; CO 2018007059 A2 20180719; MX 2018008382 A 20190530; NZ 743946 A 20210326; PE 20181284 A1 20180807;
US 2019185198 A1 20190620; WO 2017205991 A1 20171207; ZA 201804497 B 20190925

DOCDB simple family (application)
EP 16903380 A 20161025; AR P170102955 A 20171024; AU 2016408568 A 20161025; BR 112018015315 A 20161025;
CA 3010270 A 20161025; CL 2016000063 W 20161025; CL 2018001697 A 20180621; CN 201680080237 A 20161025;
CO 2018007059 A 20180706; MX 2018008382 A 20161025; NZ 74394616 A 20161025; PE 2018001217 A 20161025;
US 201616071602 A 20161025; ZA 201804497 A 20180705