

Title (en)

BOTTOM STRUCTURE FOR A PLASTIC BOTTLE

Title (de)

BODENKONSTRUKTION FÜR EINE KUNSTSTOFFFLASCHE

Title (fr)

STRUCTURE DE FOND POUR UNE BOUTEILLE EN PLASTIQUE

Publication

EP 2619097 B1 20160316 (DE)

Application

EP 11758410 A 20110921

Priority

- AT 15772010 A 20100922
- EP 2011004717 W 20110921

Abstract (en)

[origin: WO2012038075A1] The present invention relates to a bottom structure for a plastic bottle, in particular for beverages under pressure, comprising an annular edge portion (6), which is preferably integral with the side wall (2) of the bottle, and a concave portion (7) enclosed by the edge portion (6) and integral therewith, wherein the concave portion (7) comprises reinforcing elements arranged in a star-shaped pattern and increasing the rigidity thereof, wherein the reinforcing elements are formed by outwardly domed regions (9) of the concave portion (7), and the concave portion (7), including the outwardly domed regions (9), is designed to have a substantially uniform wall thickness.

IPC 8 full level

B65D 1/02 (2006.01)

CPC (source: EP US)

B65D 1/0276 (2013.01 - EP US); **B65D 1/0284** (2013.01 - EP US); **B65D 23/001** (2013.01 - US); **B65D 1/0261** (2013.01 - 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 2012038075 A1 20120329; AT 510506 A1 20120415; AT 510506 B1 20130115; AU 2011304660 A1 20130411; AU 2011304660 B2 20150514; BR 112013006898 A2 20160712; CN 103180212 A 20130626; CN 103180212 B 20161228; EP 2619097 A1 20130731; EP 2619097 B1 20160316; JP 2013538760 A 20131017; JP 5921553 B2 20160524; US 2013270214 A1 20131017; US 9580206 B2 20170228

DOCDB simple family (application)

EP 2011004717 W 20110921; AT 15772010 A 20100922; AU 2011304660 A 20110921; BR 112013006898 A 20110921; CN 201180051059 A 20110921; EP 11758410 A 20110921; JP 2013529574 A 20110921; US 201113825545 A 20110921