

Title (en)  
VARIABLE-VOLUME BELLOWS BOTTLE

Title (de)  
BALGFLASCHE MIT VERSTELLBAREM VOLUMEN

Title (fr)  
BOUETTEILLE EN FORME DE SOUFFLET À VOLUME VARIABLE

Publication  
**EP 2471717 A4 20130123 (EN)**

Application  
**EP 10811309 A 20100610**

Priority  

- ES 200901624 A 20090825
- ES 2010000151 W 20100610

Abstract (en)  
[origin: EP2471717A1] The invention relates to a variable-volume bottle made from PET and having an elastically deformable and plastic-deformation-resistant bellows structure, which allows the volume of the bottle to be adjusted according to the degree to which the peripheral annular folds are folded. The invention comprises one or more sectors without peripheral annular folds, intended for identification labels.

IPC 8 full level  
**B65D 1/02** (2006.01)

CPC (source: EP US)  
**B65D 1/0292** (2013.01 - EP US); **B65D 2203/02** (2013.01 - EP US)

Citation (search report)  

- [X] FR 2607109 A1 19880527 - CASTANET JEAN NOEL [FR]
- [X] FR 2654413 A1 19910517 - POGGI PAUL, et al
- [X] FR 2833244 A1 20030613 - TRIQUERE CLAUDE [FR]
- [X] EP 0666222 A1 19950809 - PROCTER & GAMBLE [US]
- [X] US 4865211 A 19890912 - HOLLINGSWORTH ELMONT E [US]
- See references of WO 2011023833A1

Cited by  
ES2496394A1; ITRM20120636A1; WO2021059070A1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2471717 A1 20120704; EP 2471717 A4 20130123;** BR 112012002478 A2 20170808; CN 102481992 A 20120530;  
CN 102481992 B 20150610; HK 1170993 A1 20130315; JP 2013503082 A 20130131; RU 2012111446 A 20131010;  
US 2012152885 A1 20120621; WO 2011023833 A1 20110303

DOCDB simple family (application)  
**EP 10811309 A 20100610;** BR 112012002478 A 20100610; CN 201080037312 A 20100610; ES 2010000151 W 20100610;  
HK 12111927 A 20121122; JP 2012526089 A 20100610; RU 2012111446 A 20100610; US 201013391879 A 20100610