

Title (en)

CLOSURE FOR PLASTIC PACKAGING CONTAINERS

Title (de)

VERSCHLUSS FÜR KUNSTSTOFFVERPACKUNGSBEHÄLTER

Title (fr)

COUVERCLE POUR EMBALLAGES PLASTIQUES

Publication

EP 2578508 A4 20140326 (EN)

Application

EP 11788993 A 20110510

Priority

- BR PI1001431 A 20100531
- BR 2011000145 W 20110510

Abstract (en)

[origin: EP2578508A1] The present invention relates to a closure for plastic packaging containers that exhibits innovative features that can simplify the manufacturing process and the filling with liquid and viscous products, but the main effect of which is to prevent the package walls from collapsing following a change in vapour pressure inside the container, regardless of the filling temperature.

IPC 8 full level

B65D 17/40 (2006.01); **B65D 43/02** (2006.01); **B65D 85/72** (2006.01)

CPC (source: EP US)

B65D 43/0202 (2013.01 - US); **B65D 77/2024** (2013.01 - EP US); **B65D 79/0087** (2020.05 - EP US); **B65D 85/72** (2013.01 - EP US);
Y10T 428/1355 (2015.01 - EP US); **Y10T 428/24669** (2015.01 - EP US)

Citation (search report)

- [XI] US 6164470 A 20001226 - CHINO HIROSHI [JP]
- [X] FR 2630408 A3 19891027 - ALSACIENNE ALUMINIUM [FR], et al
- [XI] JP H08295354 A 19961112 - SHISEIDO CO LTD
- See references of WO 2011150478A1

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 2578508 A1 20130410; EP 2578508 A4 20140326; BR PI1001431 A2 20140107; MX 2012013997 A 20130517;
US 2013202826 A1 20130808; WO 2011150478 A1 20111208

DOCDB simple family (application)

EP 11788993 A 20110510; BR 2011000145 W 20110510; BR PI1001431 A 20100531; MX 2012013997 A 20110510;
US 201113701337 A 20110510