

Title (en)
PACKAGING

Title (de)
VERPACKUNG

Title (fr)
EMBALLAGE

Publication
EP 2539244 A2 20130102 (DE)

Application
EP 11714681 A 20110218

Priority
• DE 102010009102 A 20100224
• DE 2011000146 W 20110218

Abstract (en)
[origin: WO2011103855A2] The invention relates to packaging having an essentially dimensionally stable, elastically deformable external container in which an easily deformable inner bag receiving the filling goods is arranged, and a valve. Said packaging is characterised in the fact that the valve comprises: a base body which extends over the opening of the external container, said base body comprising at least one through opening for the filling goods and a valve maintaining element in which a valve body, which comprises an elastically deformable separating wall and which tightly seals the valve maintaining element, is fixed, and a valve journal pointing away from the external container. Said separating wall together with the valve maintaining element delimits an air chamber, also comprising a cap covering the base body and the valve body secured to the neck of the external container, said cap delimiting a receiving chamber for the filling goods between the cap and the base body and has an outlet for the filling goods. When the packing is in the unpressurised state, said outlet is closed by the valve journal which is applied, by pre-stress of the elastically deformable separating wall on which the area of the cap contains the outlet. When pressure is applied to the external container, the valve journal is separated from the cap by the pressurised filling goods in the receiving chamber so that the filling goods can exit. The packaging is characterised in that the cap comprises an air chamber separated by the receiving chamber for the filling goods, and sealed with respect to the receiving chamber and the external container, said air chamber is connected to the intermediate chamber between the external container and the inner container by means of at least one hole through the wall of the external container and to the exterior atmosphere by means of at least one aeration valve.

IPC 8 full level
B65D 83/00 (2006.01); **B65D 47/20** (2006.01)

CPC (source: EP US)
B65D 47/2068 (2013.01 - EP US); **B65D 83/0055** (2013.01 - EP US)

Citation (search report)
See references of WO 2011103855A2

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)
DE 102010009102 A1 20110825; DE 102010009102 B4 20140828; BR 112012020835 A2 20180327; BR 112012020835 B1 20191210; CN 102770355 A 20121107; CN 102770355 B 20150603; EP 2539244 A2 20130102; EP 2539244 B1 20150107; MX 2012009852 A 20120921; US 2012305602 A1 20121206; US 8955715 B2 20150217; WO 2011103855 A2 20110901; WO 2011103855 A3 20120202

DOCDB simple family (application)
DE 102010009102 A 20100224; BR 112012020835 A 20110218; CN 201180010851 A 20110218; DE 2011000146 W 20110218; EP 11714681 A 20110218; MX 2012009852 A 20110218; US 201113577413 A 20110218