

Title (en)
MIXED CLOSURE DEVICE FOR A CONTAINER

Title (de)
ZUMISCH-VERSCHLUSSVORRICHTUNG FÜR EINEN BEHÄLTER

Title (fr)
DISPOSITIF DE MÉLANGE ET DE FERMETURE DESTINÉ À UN RÉCIPIENT

Publication
EP 3140212 A1 20170315 (DE)

Application
EP 15725514 A 20150506

Priority
• DE 102014106369 A 20140507
• DE 102014107550 A 20140528
• EP 2015059902 W 20150506

Abstract (en)
[origin: CA2954778A1] The invention relates to a closure device (1) for a container (2) comprising a cover element (3) for closing the container (2), a chamber (5) arranged on the cover element (3) and an inner housing (4). The chamber (5) has a chamber end piece (9) having an outlet opening (7) that can be closed by means of a closure means (6). The inner housing (4) comprises opening means (8) for opening the outlet opening (7), wherein the chamber (5) can be moved relative to the inner housing (4) from a closed position into an outlet position. The chamber (5) and the chamber end piece (9) are connected to each other in a fluid-tight and gas-tight manner by means of a plastic seal (10) injection molded on chamber (5) and chamber end piece (9), wherein chamber (5), chamber end piece (9) and plastic seal (10) are formed from the same plastic. The invention further relates to a method for producing a closure device or a chamber.

IPC 8 full level
B65D 51/28 (2006.01); **B29C 45/00** (2006.01)

CPC (source: CN EP KR RU US)
B29C 45/00 (2013.01 - CN); **B29C 45/14336** (2013.01 - KR); **B29C 45/14467** (2013.01 - RU US); **B65D 51/2864** (2013.01 - RU US); **B65D 51/2892** (2013.01 - CN EP KR RU US); **B65D 81/32** (2013.01 - CN); **B29K 2067/006** (2013.01 - US); **B29K 2667/006** (2013.01 - US); **B29L 2031/565** (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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014107550 A1 20151112; CA 2954778 A1 20151112; CN 106255648 A 20161221; CN 106255648 B 20190215; EP 3140212 A1 20170315; JP 2017517448 A 20170629; JP 6720084 B2 20200708; KR 20170007360 A 20170118; RU 2016143342 A 20180608; RU 2016143342 A3 20181025; RU 2676664 C2 20190109; US 2017050784 A1 20170223; US 9902538 B2 20180227; WO 2015169822 A1 20151112

DOCDB simple family (application)
DE 102014107550 A 20140528; CA 2954778 A 20150506; CN 201580022623 A 20150506; EP 15725514 A 20150506; EP 2015059902 W 20150506; JP 2016566221 A 20150506; KR 20167034327 A 20150506; RU 2016143342 A 20150506; US 201515307522 A 20150506