

Title (en)

DISPENSER FOR DISPENSING LIQUID TO PASTY SUBSTANCES

Title (de)

SPENDER ZUR AUSGABE FLÜSSIGER BIS PASTÖSER MASSEN

Title (fr)

DISTRIBUTEUR CONÇU POUR DISTRIBUER DES SUBSTANCES LIQUIDES À PÂTEUSES

Publication

EP 2688677 B1 20150506 (DE)

Application

EP 12710246 A 20120320

Priority

- DE 202011000632 U 20110321
- DE 102011001534 A 20110324
- EP 2012054910 W 20120320

Abstract (en)

[origin: WO2012126909A1] The invention relates to a dispenser for dispensing liquid to pasty substances, with a pumping chamber and a dispensing tube (5), wherein, in order to close the dispensing tube (5), a closure part is moveable in the dispensing tube (5) between a closed position and a release position, and the dispenser has a dispenser part which is moveable in relation to a fixed dispenser part (2) during a pumping actuation. In order to design a dispensing tube which is moveable with respect to a fixed dispenser part during actuation of the dispenser in such a manner that continued advantageous actuation is possible along with advantageous production, it is proposed that the dispensing tube (5) is connected to the fixed dispenser part (2) via a predetermined breaking point (15). The invention also relates to a method for producing a dispenser by plastics injection moulding, with a dispensing tube which is moveable relative to a fixed dispenser part during actuation of the dispenser. In order to provide a dispenser which is advantageous in respect of the functioning thereof and can be produced in an advantageous manner, it is proposed that the dispensing tube is injection moulded integrally together with at least part of the fixed dispenser part, connected via one or more tear-off webs, and that, during the assembly or upon first actuation of the dispenser, the dispensing tube is separated from the fixed dispenser part by displacement of the dispensing tube relative to the fixed dispenser part.

IPC 8 full level

B05B 11/00 (2006.01); **B65D 83/22** (2006.01)

CPC (source: EP US)

B05B 11/1001 (2023.01 - EP US); **B05B 11/1042** (2023.01 - US); **B05B 11/1053** (2023.01 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B65D 83/228** (2013.01 - EP US); **Y10T 29/4998** (2015.01 - EP 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)

DE 102011001534 A1 20120927; EP 2688677 A1 20140129; EP 2688677 B1 20150506; ES 2538676 T3 20150623; US 2014231463 A1 20140821; US 9101951 B2 20150811; WO 2012126909 A1 20120927

DOCDB simple family (application)

DE 102011001534 A 20110324; EP 12710246 A 20120320; EP 2012054910 W 20120320; ES 12710246 T 20120320; US 201214127628 A 20120320