

Title (en)

SELF SEALING AIRLESS MEASURED DISPENSER

Title (de)

SELBSTVERSCHLIESSENDER LUFTLOSER MESSSPENDER

Title (fr)

DISTRIBUTEUR DE DOSE SANS REPRISE D'AIR ET À FERMETURE ÉTANCHE

Publication

EP 3601096 A4 20210106 (EN)

Application

EP 18776198 A 20180330

Priority

- US 201762478917 P 20170330
- US 2018025490 W 20180330

Abstract (en)

[origin: CN111094147A] A dispensing device affixed to the outside of a flexible container comprising a top part of the device, and a bottom part including a pump chamber, a neck portion, and a dispensing head having an outlet at the end of a dispensing channel. The dispensing channel and the outlet are situated in a portion of the dispensing head that extends below the plane of the neck portion. The top part is sealed to the bottom part creating a channel between the pump chamber and the dispensing side of the dispenser. The area of the dispensing element between the pump chamber and the distal end of the dispensinghead, referred herein as the neck portion, is not sealed to the container, causing the neck portion of the dispensing device to flex, pinching shut the channel that connects the pump chamber to the dispensing head.

IPC 8 full level

B65D 83/00 (2006.01); **B05B 11/00** (2006.01); **B65D 37/00** (2006.01); **B65D 75/58** (2006.01)

CPC (source: EP)

B05B 11/1032 (2023.01); **B65D 75/5877** (2013.01); **B05B 11/007** (2013.01); **B05B 11/1069** (2023.01)

Citation (search report)

- [XY] US 2014339266 A1 20141120 - LAFLAMME ROGER J [US], et al
- [Y] WO 2008030623 A2 20080313 - MEDICAL INSTILL TECH INC [US], et al
- [A] WO 0216047 A1 20020228 - VALOIS SA [FR], et al
- See references of WO 2018183907A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

CN 111094147 A 20200501; CN 111094147 B 20220812; EP 3601096 A1 20200205; EP 3601096 A4 20210106; EP 3601096 B1 20231025

DOCDB simple family (application)

CN 201880036159 A 20180330; EP 18776198 A 20180330