

Title (en)

Dispensing closure having a vent valve

Title (de)

Spenderverschluss mit Belüftungsventil

Title (fr)

Fermeture de distribution munie d'une soupape de ventilation

Publication

EP 2700588 B1 20150401 (EN)

Application

EP 12181261 A 20120821

Priority

EP 12181261 A 20120821

Abstract (en)

[origin: EP2700588A1] A dispensing closure (1) to be inserted into a container neck (3) comprises a plug body (23) having a central fluid passage and a peripheral air passage, a flexible elastic diaphragm (22) arranged in a recess of the plug body (23) to cover the fluid passage and the air passage, and a plug cap (21) for sealing the diaphragm on the plug body, and having slots (21c) aligned with the air passage of the plug body and a central orifice (21d) aligned with the fluid passage thereof. The diaphragm (22) comprises a first and a second valve section, the first being a normally closed valve (22d) having a slit-type central orifice (22a) for sealing the central fluid passage of the plug body (23), the second valve section being an normally closed umbrella-type valve (22b) and sealing the one or more slots of the plug cap (21).

IPC 8 full level

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CPC (source: BR EP KR US)

A45D 34/02 (2013.01 - KR); **B05B 11/00** (2013.01 - BR); **B05B 11/0008** (2013.01 - EP US); **B05B 11/00442** (2018.07 - EP US); **B05B 11/047** (2013.01 - EP US); **B65D 47/20** (2013.01 - KR); **B65D 47/2031** (2013.01 - EP US); **B65D 51/1644** (2013.01 - EP US); **B05B 11/0039** (2018.07 - US); **B05B 11/1047** (2023.01 - EP US)

Cited by

CN111591578A; CN114668539A; WO2016128670A1; WO2020117167A3

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DOCDB simple family (publication)

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