

Title (en)
Liner piercing twist closure

Title (de)
Verschluss mit drehbarem Ausgiesser zum Durchstossen einer Membran

Title (fr)
Couvercle avec un verseur rotatif pour percer une membrane

Publication
EP 2181932 B1 20120222 (EN)

Application
EP 08019276 A 20081104

Priority
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Abstract (en)
[origin: EP2181932A1] A dispensing closure system is provided for a container that has an opening wherein a membrane (28) is interposed between the container opening (27) and the dispensing closure system (20). The system includes a base (30) for extending from the container at the opening. The base (30) has a receiving passage and an annular sealing flange (60) extending radially inwardly around the passage. A movable spout (34) is mounted in the base receiving passage and has a grippable discharge end that projects axially outwardly from the base receiving passage. The spout (34) has a dispensing passage extending through the spout and has a peripheral sealing surface that is sealingly engaged with the base annular sealing flange (60). The spout also has a piercing element (120) at an axially inward end of the spout. A cam track (70) is located in either the base or the spout. A cam follower (130) is located on the other one of the base and spout, and the cam follower is engaged in the cam track. The grippable discharge end of the spout can be grasped to rotate the spout for moving the spout axially to pierce the membrane.

IPC 8 full level
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CPC (source: EP)
B65D 47/065 (2013.01); **B65D 47/0838** (2013.01); **B65D 47/2031** (2013.01); **B65D 2251/0025** (2013.01); **B65D 2251/0093** (2013.01)

Cited by
EP2949594A1; GB2556138A; GB2556138B; AU2018292473B2; ITVI20110267A1; CN103842262A; CN106904363A; USD929227S; US8443969B2; USD950310S; US10259623B2; US10093918B2; US9067704B2; US10647479B2; JP2016069033A; CN106458389A; WO2013051038A1; US10835014B2; US8276748B2; WO2015150558A1; WO2015187849A3; EP2576378B1; WO2023069387A1

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