

Title (en)
RESERVOIR CAP

Title (de)
BEHÄLTERKAPPE

Title (fr)
BOUCHON DE RÉSERVOIR

Publication
EP 3351487 A1 20180725 (EN)

Application
EP 18152717 A 20180122

Priority
IT 201700006868 A 20170123

Abstract (en)
A reservoir cap (1) configured to be coupled to a neck (4A) of a container (4) at its opening (5), comprising a body (3) having a cup-shaped portion (9) closed at its bottom by a breakable wall (31), the first body (3) comprising at least one sealing element (32) with said neck (4A), the cap also comprising a cutter (2) provided with a head (20) from which extends a cylindrical surface (21) which is internally hollow that, when coupled to the cup-shaped portion, forms together with at least a part of the cup-shaped portion (9) a reservoir (S) for said product (10), the cutter sliding in a sealed manner inside the cup-shaped portion (9) and comprising a cutting surface (24) of the breakable wall (31) formed at a free end (22) of the cylindrical surface, the cup-shaped portion (9) being configured so that, when the cap is placed on the container (4) and the product is in the reservoir (S), the cutter (2), pushed with force against the breakable wall (31) thereof, at least partially separates the breakable wall from the cup-shaped portion (9) which causes the introduction of said product by fall into the container (4), characterised in that from the head (20) of the cutter (2), internally to the cylindrical surface (21), protrudes an elongated element (50) made of a thermoplastic material that absorbs moisture, the elongated element being configured so as to form a hollow space between its surface and that part of the cylindrical surface (21) facing the elongated element (50).

IPC 8 full level
B65D 81/26 (2006.01); **B65D 51/28** (2006.01)

CPC (source: EP US)
B65D 51/285 (2013.01 - EP US); **B65D 51/30** (2013.01 - US); **B65D 81/22** (2013.01 - US); **B65D 81/266** (2013.01 - EP US)

Citation (search report)

- [Y] EP 2704962 A1 20140312 - BORMIOLI ROCCO SPA [IT]
- [Y] EP 0454967 A2 19911106 - GAPLAST GMBH [DE]
- [Y] EP 2093162 A1 20090826 - AIRSEC SAS [FR]
- [Y] US 2016264323 A1 20160915 - JEON YOUNG-BOK [KR]

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)
EP 3351487 A1 20180725; IT 201700006868 A1 20180723; US 2018208372 A1 20180726

DOCDB simple family (application)
EP 18152717 A 20180122; IT 201700006868 A 20170123; US 201815876926 A 20180122