

Title (en)
Closure for bottles

Title (de)
Flaschenverschluss

Title (fr)
Fermeture pour bouteilles

Publication
EP 2383197 A1 20111102 (EN)

Application
EP 11460019 A 20110426

Priority
PL 39107910 A 20100504

Abstract (en)
Plastic closure for bottles including a nut, characterized by that, that it has a compartment 2 in the form of a cylindrical cup turned bottom up, situated on cylindrical flanged lug 15 which is made on the upper surface of the bottom 14 of the nut 1, and said compartment 2 terminates on its lower part with a seal 3, and said seal 3 consists of slightly thickened flange 4 having its upper 5 and lower 6 parts connected together by a band-shaped tear element 7 and said element 7 is narrowed and weakened by slots 8, furthermore, on the inner side 10 of the thickened flange 4 there is a circumferential recess 11 and a circumferential fastener 12 having the form of a spline, and said fastener 12 has a half-cylindrical cross-section, and under the fastener 12 there is a circumferential groove 13 having the form of a two-stepped recess 13', furthermore, the cylindrical flanged lug 15 has on its outer perimeter the first fastener 16 and the second fastener 17, furthermore, between the first fastener 16 and the second fastener 17 there is a circumferential notch 18 which is "a" in width, and under the second fastener 17 there is a circumferential notch 19, which is "b" in width, furthermore, the nut 1 has in its lower part a sealing cuff 23 connected with front edges 24 of the cylindrical surface 20 of the nut 1 by a narrow tear band 25, which is weakened by slots 26.

IPC 8 full level
B65D 41/26 (2006.01); **B65D 41/34** (2006.01); **B65D 51/24** (2006.01); **B65D 51/28** (2006.01)

CPC (source: EP)
B65D 41/26 (2013.01); **B65D 41/34** (2013.01); **B65D 51/245** (2013.01); **B65D 51/28** (2013.01)

Citation (applicant)
• PL 352255 A1 20030811 - ALCOA CLOSURE SYSTEMS INT INC [US]
• PL 197272 A1 19780213 - PRZED REKONSTRUKCJI I MODERNIZ
• PL 180383 B1 20010131 - CLOSURES & PACKAGING SERV LTD [GB]
• PL 175182 B1 19981130 - GUALA SPA [IT]

Citation (search report)
• [A] EP 0031980 A1 19810715 - PROCTER & GAMBLE EUROP [BE], et al
• [A] EP 0248341 A1 19871209 - MIRA LANZA SPA [IT]

Cited by
WO2016012954A1

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 2383197 A1 20111102; EP 2383197 B1 20130619; ES 2427938 T3 20131104; PL 215918 B1 20140228; PL 2383197 T3 20131129

DOCDB simple family (application)
EP 11460019 A 20110426; ES 11460019 T 20110426; PL 11460019 T 20110426; PL 39107910 A 20100504