

Title (en)

A BOTTLE AND A CORRESPONDING BOTTLE CAP

Title (de)

FLASCHE UND ZUGEHÖRIGER FLASCHEDECKEL

Title (fr)

BOUTEILLE ET BOUCHON DE BOUTEILLE CORRESPONDANT

Publication

EP 3059176 A1 20160824 (EN)

Application

EP 16153651 A 20160201

Priority

DE 102015001964 A 20150219

Abstract (en)

The present invention concerns a bottle (1) comprising a neck (4) comprising an opening (2), the opening (2) having a circular cross-section. The bottle (1) further comprises an inner volume for receiving a flowable, preferably a liquid, composition through the opening. The neck comprises an external thread (15), comprising a thread-start (8) and a thread-end (9), the thread-start (8) being arranged closer to the opening than the thread-end (9); and wherein the neck (4) further comprises an external helical slope (10), comprising a slope-start (11) and a slope-end (12), the slope-start (11) being arranged closer to the opening (2) than the slope-end (12). The external thread (15) and the helical slope (10) have the same handedness and the thread-start (8) and the slope-end (12) have a common cylindrical axis and are radially aligned relative to the common cylindrical axis and wherein the slope-end (12) preferably ends at a radial wall.

IPC 8 full level

B65D 1/02 (2006.01); **B65D 41/04** (2006.01)

CPC (source: EP US)

B65D 1/0246 (2013.01 - EP US); **B65D 41/04** (2013.01 - EP US); **B65D 41/0471** (2013.01 - US); **B65D 2251/04** (2013.01 - EP US)

Citation (search report)

- [X] US 2006273063 A1 20061207 - BORGER MARK [US]
- [X] US 5160057 A 19921103 - FITJER HOLGER [DE]
- [X] GB 2126565 A 19840328 - U G CLOSURES AND PLASTICS LIM
- [X] EP 0007274 A1 19800123 - CHANEL [FR]
- [X] US 5213225 A 19930525 - KING ROGER M [GB], et al
- [X] WO 9632339 A1 19961017 - EISAI CO LTD [JP], et al
- [A] US 2009224008 A1 20090910 - RUSHE PETER C [DE], et al

Cited by

WO2018095769A1

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 3059176 A1 20160824; US 2016244196 A1 20160825

DOCDB simple family (application)

EP 16153651 A 20160201; US 201615046620 A 20160218