

Title (en)

CLOSURE CAP FOR DETERGENT BOTTLES

Title (de)

VERSCHLUSSKAPPE FÜR WASCHMITTELFASCHE

Title (fr)

CAPUCHON DE FERMETURE POUR BOUTEILLE DE DÉTERGENT

Publication

EP 3774565 B1 20221026 (DE)

Application

EP 19714391 A 20190327

Priority

- DE 102018205581 A 20180412
- EP 2019057670 W 20190327

Abstract (en)

[origin: WO2019197157A1] The invention relates to a closure cap (10) for a detergent bottle (1), the cap having at least one cap wall (11) with a plurality of surface elements (13) spaced apart from one another. These each have a circumferential edge (21), starting from which the surface element (13) extends from a basic plane of the cap wall (11) and which surrounds a basic area of the surface element (13) lying in the basic plane of the cap wall (11). In order to form a soft transition from the basic plane, free from notching effects, a rounding radius (23) is provided on the circumferential edge (21) and is greater than the greatest longitudinal extent of the basic area of the surface element (13). The invention relates to a closure cap (10) for a detergent bottle (1), the cap having at least one cap wall (11) with a plurality of surface elements (13) spaced apart from one another. These each have a circumferential edge (21), starting from which the surface element (13) extends from a basic plane of the cap wall (11) and which surrounds a basic area of the surface element (13) lying in the basic plane of the cap wall (11). In order to form a soft transition from the basic plane, free from notching effects, a rounding radius (23) is provided on the circumferential edge (21) and is greater than the greatest longitudinal extent of the basic area of the surface element (13).

IPC 8 full level

B65D 41/04 (2006.01); **B65D 41/26** (2006.01); **B65D 47/42** (2006.01); **D06F 39/02** (2006.01)

CPC (source: EP KR US)

B65D 41/04 (2013.01 - EP US); **B65D 41/0442** (2013.01 - EP KR US); **B65D 41/26** (2013.01 - EP KR US); **B65D 47/42** (2013.01 - EP KR);
D06F 3/04 (2013.01 - KR); **D06F 39/024** (2013.01 - EP KR US); **B65D 41/0485** (2013.01 - US); **B65D 2251/02** (2013.01 - US);
D06F 3/04 (2013.01 - EP)

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

DOCDB simple family (publication)

WO 2019197157 A1 20191017; AU 2019252471 A1 20201203; DE 102018205581 A1 20191017; EP 3774565 A1 20210217;
EP 3774565 B1 20221026; ES 2930573 T3 20221219; KR 20200141039 A 20201217; PL 3774565 T3 20230116; US 2021024257 A1 20210128

DOCDB simple family (application)

EP 2019057670 W 20190327; AU 2019252471 A 20190327; DE 102018205581 A 20180412; EP 19714391 A 20190327;
ES 19714391 T 20190327; KR 20207028513 A 20190327; PL 19714391 T 20190327; US 202017068669 A 20201012