

Title (en)

CLOSURE DEVICE FOR A CONTAINER, AND ASSOCIATED METHOD FOR CLOSING A CONTAINER

Title (de)

VERSCHLUSSVORRICHTUNG FÜR EINEN BEHÄLTER UND ZUGEHÖRIGES VERFAHREN ZUM VERSCHLIEßEN EINES BEHÄLTERS

Title (fr)

DISPOSITIF DE FERMETURE POUR RÉCIPIENT ET PROCÉDÉ ASSOCIÉ DE FERMETURE D'UN RÉCIPIENT

Publication

EP 2611707 B1 20160420 (DE)

Application

EP 11738452 A 20110801

Priority

- DE 102011008060 A 20110107
- EP 2011063221 W 20110801

Abstract (en)

[origin: WO2012092989A1] The present invention relates to a reclosable closure device for a container (10), as are used, above all, in consumer goods products, in particular in product dispensers in the cosmetics and detergent sectors. A closure device of this type for a container (10) usually has a cylindrical container neck (11), which surrounds a container opening (12) to the container interior, and a cover-like closure element (30) which is fastened releasably to the container neck (11) by means of a screw/latching connection, in order to close the container opening (12). In order to realize a user-friendly embodiment which is improved in terms of production technology, the closure device comprises at least one slotted guide (13) which is formed integrally on the container neck (11) and has an axial inlet opening (12) which interacts with an associated projection (33) on the closure element (30), at least one stop (18) which is formed integrally on the container neck (11) in the circumferential direction and interacts with an associated corresponding stop (34) on the closure element (30), and at least one ramp (20) which is formed integrally on the container neck (11) and has an axial undercut (21) which interacts with an associated, radially elastically deformable latching projection (33) on the closure element (30).

IPC 8 full level

B65D 41/04 (2006.01); **B65D 41/17** (2006.01)

CPC (source: EP)

B05B 11/001 (2013.01); **B65D 41/0471** (2013.01); **B65D 41/17** (2013.01); **B05B 11/1043** (2023.01); **B05B 11/1057** (2023.01)

Citation (examination)

WO 2008082289 A1 20080710 - AFA POLYTEK BV [NL], et al

Cited by

CN106672423A; FR3122458A1

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 2012092989 A1 20120712; DE 102011008060 B3 20120719; EP 2611707 A1 20130710; EP 2611707 B1 20160420; ES 2575161 T3 20160624; PL 2611707 T3 20161031

DOCDB simple family (application)

EP 2011063221 W 20110801; DE 102011008060 A 20110107; EP 11738452 A 20110801; ES 11738452 T 20110801; PL 11738452 T 20110801