Title (en)

CHILD-RESISTANT CLOSURE

Publication

EP 0052260 B1 19850123 (DE)

Application

EP 81108868 A 19811024

Priority

DE 3042954 A 19801114

Abstract (en)

[origin: EP0052260A1] 1. Child-safe lock (10) for containers (16), in particular medicine and/or chemical bottles, with an inner cap (18; 118), which can be fastened to the mouth of the container by turning and released by turning in the opposite direction, with an essentially cylindrical peripheral surface, on which, overlapping it, rotatable relative to it and displaceable axially to it by a specified dimension, is arranged an outer lock part (22) with an essentially complementary, cylindrical inner peripheral surface, coupling projections (30; 38; 130; 138) which can be brought complementarily into engagement being provided at the inner cap (18; 118) and at the outer lock part, which coupling projections (30; 38; 130; 138) can be brought into engagement with one another by axially displacing the outer lock part on the inside cap (18; 118) towards the inside of the container, or conversely can be disengaged by axially displacing the lock part in the opposite direction, the outer closure part having an essentially cylindrical ring wall (22; 122) enclosing the peripheral surface of the inner cap, and its end turned away from the container and directed obliquely backwards towards the container having an elastically deformable ring flange (32; 132), the free, inside terminating edge of which is supported on a radial surface (26; 126) of the inner cap (18; 118), characterised in that the elastically deformable ring flange (32; 132) directed radially inwards is attached directly to the upper edge, which is turned away from the container, of the cylindrical ring wall (22; 122) and runs continuously, that the inner cap (18; 118), at its upper end farthest away from the container and adjoining at its peripheral surface (20; 120), has a ring-like end face (26; 126) directed radially inwards, the inside diameter of which is dimensioned slighty smaller than the diameter of the free terminating edge of the resilient ring flange (32; 132) of the outer ring wall (22; 122), and that the free passage of the elastic ring flange (32; 132) is penetrated by a shoulder portion (34; 134) adjoining the ring-like end face of the inner cap (18; 118), the shoulder portion (34; 134) having a cylindrical outer peripheral surface and a closed end wall (36; 136).

IPC 1-7

B65D 55/02

IPC 8 full level

B65D 50/04 (2006.01)

CPC (source: EP)

B65D 50/041 (2013.01)

Cited by

EP1863724A4; EP0620163A1; WO9304941A1

Designated contracting state (EPC)

BE CH GB LI LU NL

DOCDB simple family (publication)

EP 0052260 A1 19820526; **EP 0052260 B1 19850123**; DE 3042954 A1 19820722; DE 3042954 C2 19860904

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