

Title (en)
PLASTIC CONTAINER HAVING A ROTARY CLOSURE

Title (de)
KUNSTSTOFF-BEHÄLTER MIT DREHVERSCHLUSS

Title (fr)
CONTENANT EN MATIÈRE PLASTIQUE POURVU D'UNE CAPSULE QUART DE TOUR

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Abstract (en)
[origin: WO2015004547A1] The invention relates to a plastic container that is produced by means of an extrusion process or a PET blowing process. The plastic container is equipped with an associated rotary closure, which can be brought from a closed position to an open position by a pivoting movement. As a special feature, the neck of the container and the associated rotary closure (16) are each made of only a single part. The container has a straight or slightly conical neck, which forms a radially protruding collar on the outside in the bottom half of the neck, on the lower edge of which collar an attachable rotary closure having snapping elements (11) can be locked in, such that the rotary closure is retained on the neck in such a way that the rotary closure can be pivoted about an axis of rotation of the rotary closure. The collar also forms radial surfaces that act as stop surfaces for radial ribs (14) on the inside of the associated rotary closure for limiting the pivoting range between the closed position and the open position of the rotary closure on the neck. The opening of the neck forms a projecting, circular-ring-shaped end face, into which a channel leads, which channel bulges out from the neck in the radial direction in the neck inner wall and is open to the inside of the neck. The rotary closure forms two concentrically arranged straight or slightly conical pipe segments (6, 7) on the inside of the lid surface (12) of the rotary closure. The outer pipe segment (7) lies on the circular-ring-shaped end face in a sealing manner when the rotary closure is attached, and the inner, longer pipe segment (6) nestles against the neck inner wall in a sealing manner and extends into the neck interior. The inner pipe segment has a perforation (8) at one location. Between the two pipe segments (6, 7) at the location of the perforation (8), a hole (9) is present in the lid surface (12), such that the perforation (8) can be pivoted over the location of the bulging channel for the open position. Then liquid can flow outward through the perforation (8) and the hole (9).

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