

Title (en)
Packaging system.

Title (de)
Verpackungssystem.

Title (fr)
Système d'emballage.

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Application
EP 84114513 A 19841130

Priority
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Abstract (en)

1. Packaging system consisting of a product container (1), in particular a disposable container, for pourable, flowable or brushable material with a substantially tubular wall which is flexible in longitudinal direction and of an applicator (25) constructed for the reception of the product container (1), wherein the tubular wall of the product container (1) is constructed as bellows (2) to be squashed or extended in longitudinal direction (A) of the tube, the container (1) at one longitudinal end of the tube possesses an inlet and/or outlet neck (3) with an encircling, radially projecting collar (4) as well as with a fillet (5) drawn in substantially encirclingly, the applicator (25) consists of a tubular body (26) with a lid area or end wall (29), which is to be covered by a closure member (27), at one longitudinal tube end and of a piston (7), which lies opposite the end and wall and is borne to be displaceable in longitudinal direction (A) of the tube, the end wall (29) possesses a central passage (30) of a clear diameter between the diameter of the fillet (5) and that of the collar (4) and an equipment (33, 34, 51, 60, 63) for the advancing of the piston (7) in longitudinal direction (A) of the tube is associated at the tubular body (26) with the base (6), lying opposite the end wall (29), of the bellows (2), characterized thereby, that the container (1) is made of a preformed blank, in particular in the form of an extruded hose, with an external diameter at most as great as the external diameter (d) of the neck part (3) of the product container (1), the diameter ratio of the external diameter (d) of the neck part (3) to the external diameter (D) of the bellows (2), which is shaped from the preformed blank, and everywhere - apart from the neck part (3) - displays a substantially equal wall thickness independently of the diameter in different radial planes, however displays a value between 1:2 and 1:3 and a protection against rotation, in particular in the shape of a multisided member, is shaped on in the fillet (5) between collar (4) and bellows (2) as well as the base (6), lying opposite the outlet neck (3), of the product container (1), is constructed as contact area for pressing against the piston displaceable in the associated applicator and is curved in correspondence with the shape of the piston (7) through rolling-in of the lower bellows members.

Abstract (de)

Um bei einem aus einem in Längsrichtung (A)-flexiblen Produktbehälter (1) und einer Anwendungshilfe (25) bestehenden Verpackungssystem das Leer-Volumen und den Materialeinsatz zu vermindern, werden Verpackungsmerkmale, wie Stabilität und Handhabbarkeit von dem Produktbehälter (1) weg auf die Anwendungshilfe (25) verlagert. Der Produktbehälter (1) wird als Faltenbalgbehälter (2) mit produktspezifisch, abfülltechnisch und/oder anwendungstechnisch günstigen Einfüll- und Austrittsöffnungen ausgebildet.

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