

Title (en)

CONTAINER, SUCH AS A TUBE OR THE LIKE, FILLING AND CLOSING PROCESSES AND DISPENSING PROCESS OF THE REMAINING PRODUCT TO BE DISPENSED THEREOF

Title (de)

BEHÄLTER, WIE TUBE ODER DERGLEICHEN, DESSEN FÜLL- UND VERSCHLIESSVORGÄNGE SOWIE ENTNAHMEVORGANG DER SPENDENGUTRESTE

Title (fr)

RÉCIPIENT, TEL QUE TUBE OU ANALOGUE, PROCÉDÉS DE REMPLISSAGE ET DE FERMETURE AINSI QUE PROCÉDÉ DE PRÉLÈVEMENT DE RESTES DE PRODUIT À DISTRIBUER D'UN TEL RÉCIPIENT

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Application

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Abstract (en)

[origin: US2010175777A1] The invention relates to a container, such as a tube or the like, for storing and dispensing viscous to paste-like dispensing products, made of plastic, composite, or metal, and having an arbitrary cross-section, wherein the container has a shoulder comprising a dispensing opening, and a cladding that is permanently and tightly connected to said shoulder, wherein the cladding can be tightly closed after filling with the product to be dispensed. After the filling of the tube, or of the container (1), with the product to be dispensed (17), it must be closed air-tight and lastingly by means of a sealing unit (2) later to be taken apart in that a circumferentially extending connection (15, 25) is to be formed, wherein the sealing unit (2) is to be disassembled into a cover (8) having a loop, or a handle (9), and a connecting pin (11), a cover part (4), and a piston part (3) having a connection sleeve (12) during the dispensing of the remaining product at the latest, wherein the separation of the cover (8) along a separating channel (10) occurs such that the channel is released from the cover part (4), wherein disassembly can occur, for example, by tearing out the cover (8) and can result in a simultaneous release of the connection between the connecting pin (11) and the connection sleeve (12), wherein an opening (26) is formed in the cover part (4), and said opening (26) is shaped such that it ensures direct and sufficiently large access to a piston part (3). By means of an application of force directed approximately axially on the piston part (3) in the direction of a dispensing opening (21), the part can be moved from the retracted position thereof while the cap (14) is open, wherein the remaining product (18) to be dispensed is displaced in a sealing manner while dispensing by means of the lip (30) thereof being pulled off until the remaining product (18) to be dispensed accumulates a sufficient amount of the same in the region between the dispensing opening (21) and the piston part (3), the product being combined again into a product portion to be dispensed (32), and causing the dispensing of part of the product portion to be dispensed (32), for example, by means of targeted pressure applied to the tube cladding (6).

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