

Title (en)

Cap-shaped cover for closing glass containers.

Title (de)

Kappenförmiger Deckel zum Verschliessen von Glasbehältern.

Title (fr)

Couvercle en forme de capuchon pour fermer des récipients en verre.

Publication

**EP 0054893 A1 19820630 (DE)**

Application

**EP 81110468 A 19811216**

Priority

DE 3048310 A 19801220

Abstract (en)

1. Cap-shaped cover (1) provided with an annular sealing insert (14) and made from relatively soft sheet metal, but which has a certain elasticity and which is used for the mechanical first time sealing of a glass container (2) in the form of a drinking cup, which has a small opening edge bead (22), which is unavoidable from the manufacturing standpoint, or a conically tapering outer wall in the vicinity of the opening edge, the closure being brought about by applying the cover in the sloping position to the container opening, drawing along the cover by the moved past containers beneath it and tilting the cover into the closed position on the container opening, and whose cover side wall (12) is bounded by a flanging (13) of its free edge and projects inwards for engaging behind the opening edge bead (22) or the outer wall of the glass container, can be tapered in the vicinity of the opening edge, the internal diameter of the cover side wall at the projecting points being somewhat smaller than the external diameter of the opening edge of the glass container which is to be engaged behind, characterized in that the inwardly projecting cover sidewall (12) has an uninterrupted, all-round corrugation (15) with the cross-sectional shape of an angular means whose apex is directed inwards and having straight sides (16, 17) and the elastic sealing insert (14) extends on all sides over the inner corner between the cover bottom (11) and the cover side wall (12) to part of the upper side (16) of the cross-sectional shape of the corrugation (15), whose other side (17) is adjacent to the edge flanging (13).

Abstract (de)

Kappenförmiger, mit einer Dichtungseinlage (14) versehener Deckel (1) aus weichem, aber elastischen Blech, dessen Seitenwand (12) durch eine Bördelung begrenzt ist und der zum Verschliessen nach Art eines Trinkbechers geformter Glasbehälter (2) dient. Die Deckelseitenwand (12) weist eine einzige, ohne Unterbrechung umlaufende, nach innen vorspringende Sicke (15) auf, deren Innendurchmesser etwas kleiner ist als der Aussendurchmesser des von ihr zu hintergreifenden Behältermündungsrandes. Der Deckel (1) wird durch Aufsetzen in Schräglage, Mitschleppen und Kippen unter leichtem axialen Druck auf die Behältermündung aufgebracht. Dabei erfährt die Seitenwand (12) als Ganzes aufgrund ihrer Rückstellkraft vorübergehend eine Formänderung durch Aufweiten.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- DE 2641991 A1 19780323 - THOMASSEN & DRIJVER
- US 2484039 A 19491011 - KRUEGER FRANK W
- GB 699407 A 19531104 - METAL BOX CO LTD, et al
- DE 912539 C 19540531 - AAGE WEYBYE LASSEN
- US 3067899 A 19621211 - EVERETT JAMES C
- GB 835056 A 19600518 - PAPER CAP MFG COMPANY LTD
- DE 1532411 A1 19720302 - EBERHARDT HEINRICH

Cited by

FR2538349A1; IT202000025855A1; EP1935800A1; FR2910443A1; WO2022091164A1

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