

## Title (en)

METHOD AND DEVICE FOR CLOSING A CONTAINER WITH A COVER, WHICH BOTH CONSIST OF A PLASTICALLY DEFORMABLE MATERIAL

## Publication

**EP 0127155 B1 19870114 (DE)**

## Application

**EP 84105983 A 19840525**

## Priority

DE 3319323 A 19830527

## Abstract (en)

[origin: EP0127155A1] 1. Method of closing a container (1) with a lid (2), where the former has a marginal flange (5) directed towards the outside of the container and the latter has a lid rim (32) projecting beyond the marginal flange (5), and container and lid consist of plastically deformable material, preferably aluminium foil, the container (1), either with a lid laid on top, which lid is prefabricated by having its lid rim (32) bent over downwardly, or with a flat lid blank positioned on top of the container, is positioned between an upper part (9) and a lower part (10) of a closure apparatus, the lid rim (32) of the flat lid blank is bent over towards the container bottom by a vertical relative movement of horizontally displaceable frame elements (16) associated with the upper part (9) and the container (1), the bent over lid rim (32) is bent over under the rim flange (5) by horizontal displacement of the frame elements (16) and is pressed together with the rim flange (5) by vertical movement of the lower part (10) up to the upper part (9), characterised in that the container (1) positioned between upper part (9) and lower part (10) is received by a supporting edge (13) of the lower part (10) at the underside of the rim flange (5) at least in its inner marginal region associated with the container walls (4) and is brought, with at least one part of the lid (2) associated with at least a part region of the rim flange (5) by vertical movement of the lower part (10), from a lower neutral position (UN) past the frame elements (16) up to an upper pressing position (OP) for bearing on the upper part (9), where in passing by the frame elements (16) the lid rim (32) of the flat lid blank is bent over, and by horizontal displacement of the frame elements (16) until support of an outer rim region of the marginal flange (5) including the correspondingly partly bent over lid rim region, the container (1) is maintained bearing on the upper part (9) in that then the marginal flange (5) is released from the supporting edge (13) by vertical movement of the lower part (10) past the frame elements (16) in the direction of the neutral position (UN), and the lid rim (32) is, by further displacement of the frame elements (16), bent over sufficiently into an extreme forward position so that it is bent over completely by the lower part (10) which, while the frame elements (16) are retracted into an extreme rear position (HE), is again moved at least into the upper pressing position (OP) where it takes the container (1) over from the frame elements (16) and continues to maintain it bearing against the upper part (9) and is pressed together with the marginal flange (5).

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**B65B 7/28**

## IPC 8 full level

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## CPC (source: EP)

**B65B 7/2857** (2013.01)

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- DE 2511218 A1 19760923 - HUNTER DOUGLAS INTERNATIONAL
- DE 2935479 A1 19810312 - SIEGER KG HCH

## Cited by

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