



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number : **0 277 080 B1**

(12)

EUROPEAN PATENT SPECIFICATION

(45) Date of publication of patent specification :
08.01.92 Bulletin 92/02

(51) Int. Cl.⁵ : **B65D 43/03**

(21) Application number : **88500005.9**

(22) Date of filing : **25.01.88**

(54) **Stackable lid for containers.**

(30) Priority : **29.01.87 ES 8700270 U**

(43) Date of publication of application :
03.08.88 Bulletin 88/31

(45) Publication of the grant of the patent :
08.01.92 Bulletin 92/02

(84) Designated Contracting States :
AT BE CH DE FR IT LI

(56) References cited :
CH-A- 443 949
DE-A- 1 786 586
DE-A- 2 151 247
US-A- 2 350 950
US-A- 3 283 939

(73) Proprietor : **PAPER, S.A.**
Pol. Can Roca, parcela 2
E-08292 Esparraguera Barcelona (ES)

(72) Inventor : **Teixidor Casanovas, Pedro**
Pg. Sant Joan 32
E-08017 Barcelona (ES)

(74) Representative : **Ponti Grau, Ignasi**
Paseo de Gracia, 33
E-08007 Barcelona (ES)

EP 0 277 080 B1

Note : Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid (Art. 99(1) European patent convention).

Description

The present invention relates to a stackable lid for containers, in particular for jars and other cylindrical containers.

BACKGROUND OF THE INVENTION

The containers of the above kind are usually provided with discoidal lids, integral moulded from a plastic material, with the feature that, generally speaking, the lid has a peripheral channel-like groove to fit onto the edge of the container opening, as well as an embossed portion covering about all of the lid and protruding towards the inside of the container such that further to its contributing to the internal fitting of the lid within the container opening, it prevents the lids stacked in the container closing machine from becoming fitted one within the other thus hindering their handling in order to obtain an automatic closing of the container (see CH-A-443949).

The need for forming the lids with the above construction has prevented hitherto the manufacture of these lids from cardboard by pressing or stamping out at a cost which is lower than in the case of lids moulded from thermoplastic material, because the pressing and stamping means used with cardboard are unable to give the required pressing of the lids which is necessary to prevent their fitting with one another (see DE-A-1786586).

DESCRIPTION OF THE INVENTION

The above problem has been solved with the lid according to the invention, which can be manufactured from cardboard.

With respect to the present state of the art represented by DE-A-178658 which describes a stackable lid manufactured from drawn or pressed paper material in the shape of a tray the present invention is characterized in that the lid has adhered to it another piece of the same material, also in the shape of a pressed tray, of a height corresponding to that of the first piece and contracting the inner face of the said first piece, yet having an external outline corresponding to the inner outline of the container opening. This second piece has a marginal skirt in contact with the bottom of the first tray.

BRIEF DESCRIPTION OF THE DRAWINGS

For a better understanding of the instant specification, a drawing is enclosed wherein a practical embodiment of the lid according to the invention is shown only by way of example. In the said drawing :

Figure 1 is a view in diametral section of the lid in disassembled condition ;

Figure 2 is a similar view of the assembled lid, and

Figure 3 shows several stacked lids, in diametral section.

DESCRIPTION OF A PREFERRED EMBODIMENT

The lid as shown in the drawing consists of a pressed piece 1 of cardboard or the like material in the shape of an inverted shallow tray, the internal diameter of which corresponds to the outer diameter of the container opening to be closed. A second piece 2, also in the form of a tray, of a lesser diameter and height preferably corresponding to the height of the first piece, is incorporated within the said first piece 1. The outer diameter of the tray 2 corresponds to the inner diameter of the container opening to be closed.

The tray 2 has an bow-shaped marginal skirt 3 which is placed in contact with the inner face of the first tray bottom, such that a channeled groove 4 is formed between the faces of both trays, into which the edge of the container to be closed is to fit.

As clearly shown in figure 3 of the drawing, when the lids are stacked, they cannot fit one within the other, since this is prevented by the internal piece 2 protruding from the lid bottom.

This lid may be manufactured from pressed cardboard pieces at a lower cost than equivalent lids of thermoplastic material.

Claims

1. Stackable lid for containers, comprising a pressed sheet piece (1), preferably of cardboard material, in the shape of an inverted tray the inner perimeter of which corresponds to the outer perimeter of the container opening to be closed, characterized in that it comprises a second piece (2) of the same material, in the shape of a tray with a smaller diameter and a height corresponding to the height of the first piece, being adhered in contact with the inner face of the said first piece, the outer outline of the second piece corresponding to the inner outline of the container opening, the second tray having a perimetral skirt (3) in contact with the bottom of the first tray (1).

Patentansprüche

1. Stapelbarer Deckel für Container mit einem ersten gepreßten Plattenstück (1), vorzugsweise bestehend aus Pappe, in Form eines umgedrehten Tablett, dessen innerer Umfang dem äußeren Umfang der Containeröffnung entspricht, die verschlossen werden soll, dadurch gekennzeichnet, daß eine zweite Platte (2) aus dem gleichen Material in der Form des Tablett vorgesehen ist, mit einem kleineren Durchmesser und einer Höhe, die der Höhe des ersten Stückes entspricht, und die an der inneren Fläche

che des ersten Stückes anhaftet, daß der äußere Umriß des zweiten Stückes dem inneren Umriß der Containeröffnung entspricht, und daß das zweite Tablett einen äußeren Begrenzungsrand (3) aufweist, der mit dem Boden des ersten Tablett (1) in Berührung ist. 5

Revendications

10
1. Couvercle empilable pour récipients, comportant une première pièce (1) en feuille pressée, de préférence en carton, en forme de plateau inversé dont le périmètre intérieur correspond au périmètre extérieur de l'ouverture du récipient que l'on désire fermer, 15
caractérisé en ce qu'il comporte une seconde pièce (2) réalisée dans le même matériau, en forme de plateau ayant un plus petit diamètre et une hauteur correspondant à la hauteur de la première pièce, étant collée en contact avec la face interne de ladite première pièce, le contour extérieur de la seconde pièce correspondant au contour intérieur de l'ouverture du récipient, le second plateau ayant une jupe périphérique (3) en contact avec le fond du premier plateau (1). 20
25

30

35

40

45

50

55

FIG. 1

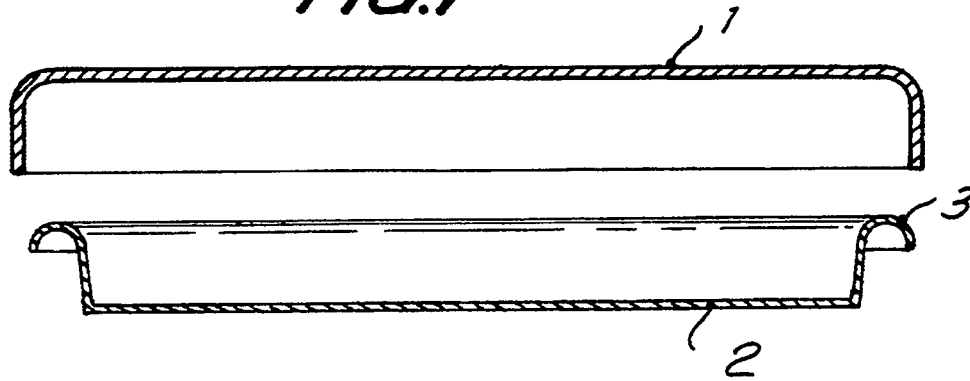


FIG. 2

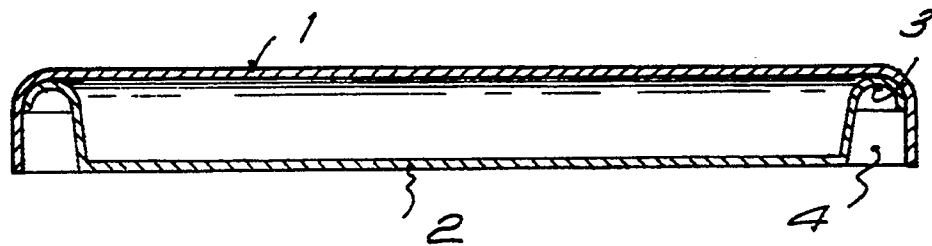


FIG. 3

