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(54) CONTAINER APPLIED IN MEDICAL DRUGS AND COSMETIC ITEMS PACKAGING

BEI DER VERPACKUNG VON ARZNEIMITTELN UND KOSMETIKA VERWENDETER BEHÄLTER
RECIPIENT APPLIQUE A L'EMBALLAGE DE MEDICAMENTS ET DE PRODUITS COSMETIQUES

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(73) Proprietor: **Esteve, Victor**
04545-006 São Paulo SP (BR)

(72) Inventor: **Esteve, Victor**
04545-006 São Paulo SP (BR)

(74) Representative: **Manresa Val, Manuel et al**
Manresa & De Rafael, S.L.
Roger de Llúria, 113, 4a planta
08037 Barcelona (ES)

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EP 1 874 642 B1

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Description

[0001] The application deals with packaging for medical drugs and cosmetics which allows the utilization of the whole content placed inside the container, avoiding undesired wastes as well as allowing perfect dosing.

State of the art

[0002] As widely known in the art, it is quite ordinary the utilization of plastic containers for medical drugs and cosmetic items for the most different applications.

[0003] Depending on the kind of medical drugs and cosmetic items, the product packaging is used for dispensing said medical drugs and cosmetic items, either through a spray valve, a dropper or any other mean.

[0004] Nevertheless, the packaging must always present the capacity of getting vertically steady, and, for such, it has to present a body frame to enable such steadiness.

[0005] Such structural elements are often held at the bottom part of the packaging, once they grant their structure, shape and strength.

[0006] This way, to conform said structural elements, the packaging ends up presenting some cuts or folds in its body, besides a flat bottom or slightly concave at its peripheral portion, (e.g. US 5344036).

[0007] However, this leads to a waste of a part of the packaging content, which gets deposited at the bottom, impairing the whole content utilization.

Objectives of the Invention

[0008] Considering the above-mentioned circumstances, the constructive disposition herein was developed, in general manner, presenting a medical drugs and cosmetic items packaging able to make possible its whole content use, besides having the same structural and steadiness characteristics as the conventional packaging, without presenting structural cuts, grooves or folds in its body.

[0009] The constructive disposition herein presents a packaging bearing a simplified conformation, having two parts, that enables the obtaining of a container where the liquid is duly placed, and a base responsible for the packaging body steadiness, being both parts coupled to form a composed piece.

[0010] One of the main characteristics is the fact that it presents a container with a bottom portion of concave shape in a "V" form, without structural elements in elevation like cuts or folds, allowing the whole utilization of the medical drugs and cosmetic items, which do not remain stuck within said elements, making easier the whole utilization of the last doses contained in the packaging.

[0011] Another characteristic is the fact that it presents a structural base that enables the vertical steadiness of the packaging, without the interference of structural elements in the container, making possible a better use of

the content and avoiding undesired leakage.

Brief description of the drawings

[0012] For a better understanding a brief description of the attached drawings is found below, where:

Figure 1 - Represents a perspective view illustrating the packaging duly assembled;

Figure 2 - Refers to an exploded perspective view, illustrating the packaging with its parts separated;

Figure 3 - Refers to a sectional side view, illustrating the coupling among the parts that constitute the packaging;

Figure 4 - Refers to another plane view, although, illustrating the bottom face of the container; and

Figure 5 - Refers to a view like the previous one, although, illustrating the bottom face of the base.

Detailed description of the preferred embodiment

[0013] According to the above described figures the packaging is conformed by two pieces, one container (1) and one base (2), both specially made of plastic material, like polyethylene, polypropylene or PET (Polyethylene Terephthalate) resins.

[0014] The container (1) presents a shape practically cylindrical and its bottom (3) presents a conic shape, in "V", making possible to collect the whole medical drugs or cosmetic items held inside.

[0015] The top portion of the container (1) may present different types of configuration, being presented in a preferred embodiment, with a neck (4) of screwing, fastening or press coupling type.

[0016] The bottom portion of said container (1) it is doted with a radial guide (5) that works as a coupling element for a base (2).

[0017] The base (2) presents the same kind of design as the container (1), although, it is lower and its top portion is doted with a projection (6) cooperating with the radial guide (5), provided at the container (1), in a way to make possible the coupling between the parts.

[0018] The bottom portion (7) of said base (2) presents a convex shape that is responsible for the base (2) structure, enabling its vertical steadiness.

[0019] The bottom portion (7) is at a distance to the lowest point of the conic bottom (3).

Claims

1. Packaging for medical drugs or cosmetics, comprising

a container (1) of practically cylindrical shape with its bottom (3) of conic shape, and a radial guide (5) at its bottom portion, a base (2) doted in its top portion with a projec-

tion (6) cooperating with said radial guide (5)
 said container (1) and base (2) being coupled
 by said radial guide (5) and said projection(6),
characterized in that the bottom portion (7) of
 said base (2) presents a convex shape and is 5
 distant from the lowest point of the container bot-
 tom (3) which, in cross section, presents a "V"
 form.

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Patentansprüche

1. Verpackung für Medikamente oder Kosmetika, mit

einem Behälter (1) mit praktisch zylindrischer 15
 Form, wobei deren Boden (3) kegelförmig ist,
 und einer Radialführung (5) im unteren Teil,
 einer Basis (2) mit einem Vorsprung (6) in ihrem
 oberen Teil, der mit der Radialführung (5) in Ein- 20
 griff steht,
 wobei der Behälter (1) und die Basis (2) durch
 die Radialführung (5) und den Vorsprung (6) mit-
 einander gekoppelt sind,
dadurch gekennzeichnet, dass der untere 25
 Teil (7) der Basis (2) konvexförmig ist und vom
 niedrigsten Punkt des Behälterbodens (3), der
 im Querschnitt V-förmig ist, entfernt angeordnet
 ist.

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Revendications

1. Emballage pour médicaments ou produits cosméti- ques, comprenant

un récipient (1) à la forme quasi cylindrique, la 35
 partie inférieure (3) de forme conique, et avec
 un guide radial (5) dans la partie inférieure,
 une base (2) équipée, dans sa partie supérieure,
 d'une projection (6) qui coopère avec ledit guide 40
 radial (5)
 ledit récipient (1) et la base (2) sont accouplés
 au moyen dudit guide radial (5) et de ladite pro-
 jection (6),
caractérisé en ce que la partie inférieure (7) de 45
 ladite base (2) a une forme convexe et qu'elle
 est séparée du point le plus bas de la partie in-
 férieure du récipient (3) qui a une forme en V à
 la section transversale.

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FIG. 01

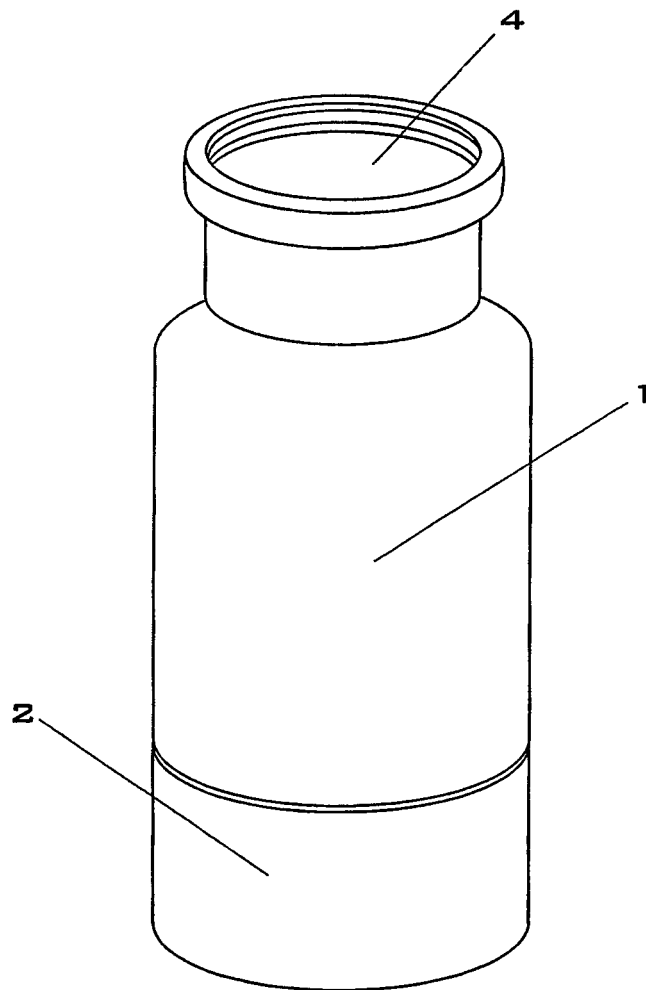


FIG. 02

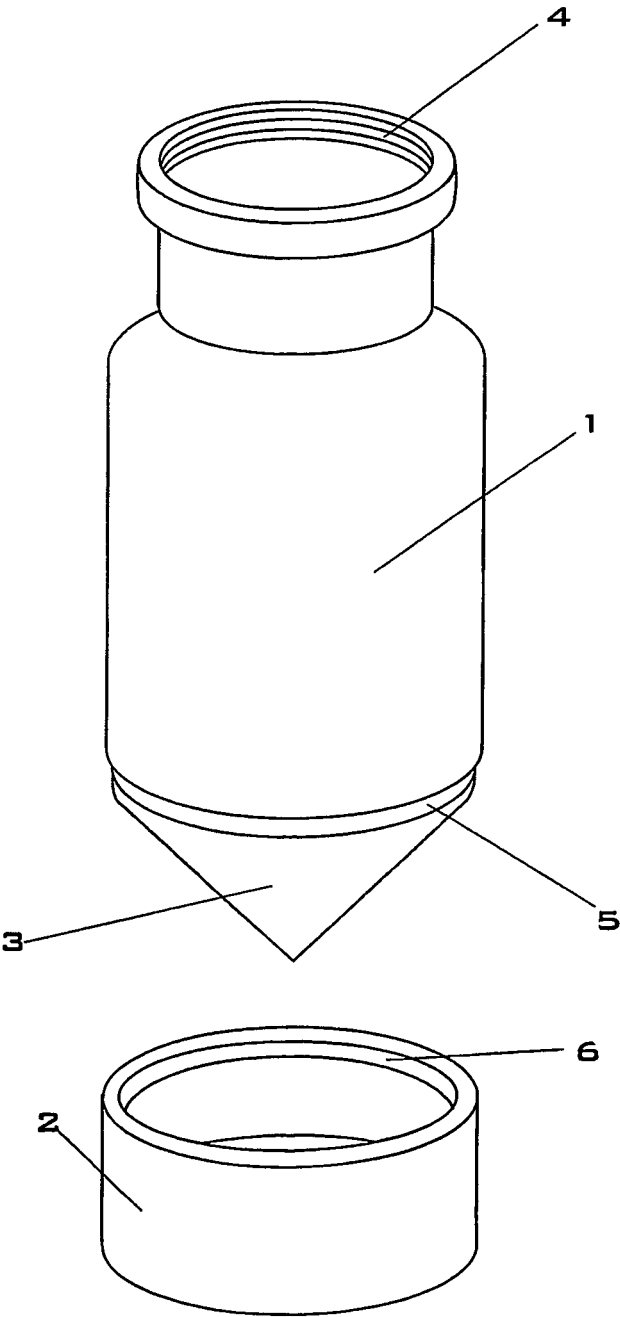


FIG. 03

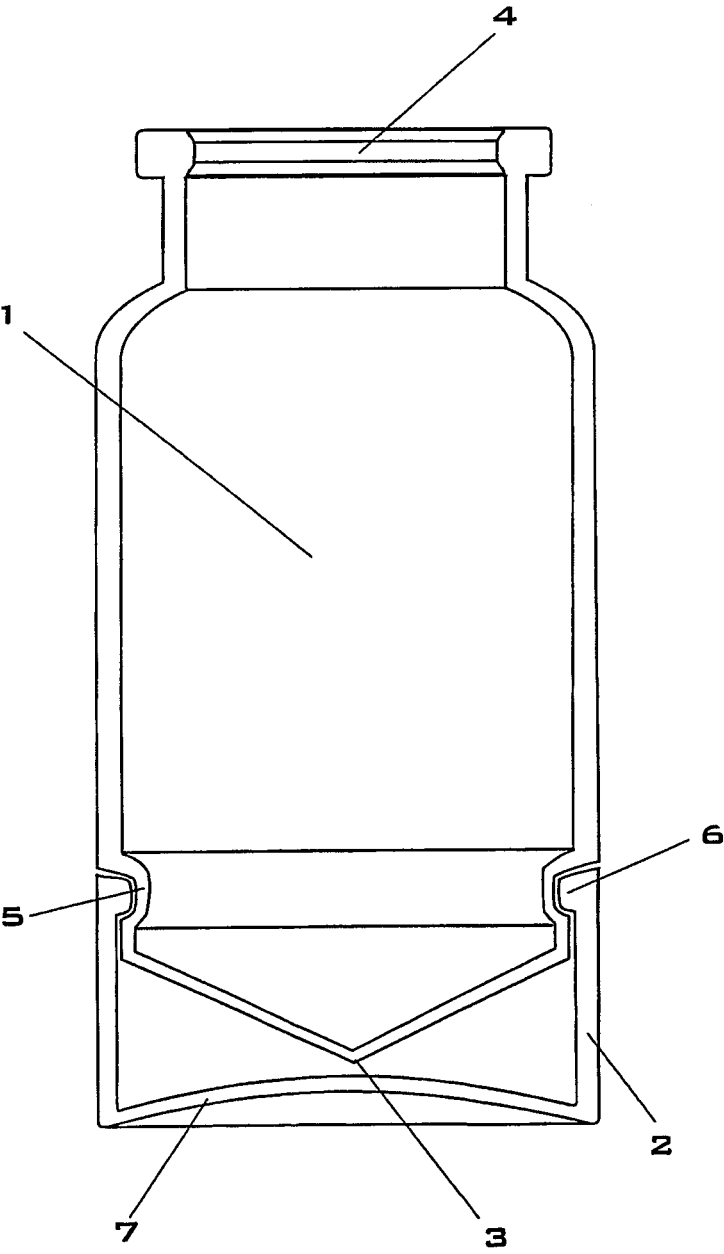


FIG. 04

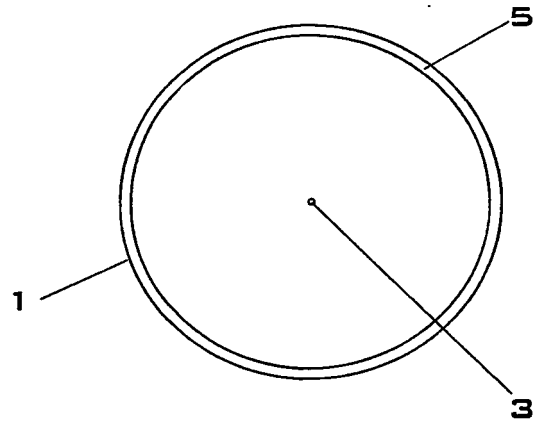
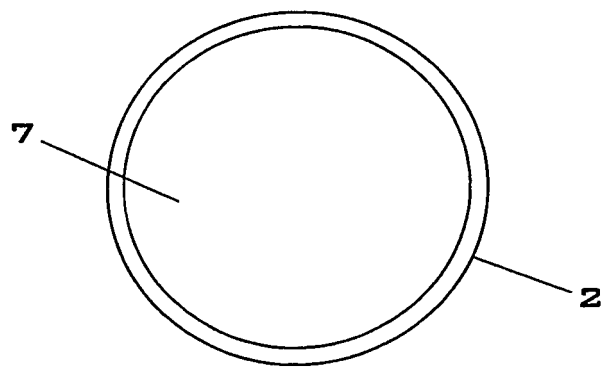


FIG. 05



REFERENCES CITED IN THE DESCRIPTION

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