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(54) **HYGIENIC SPOUT FOR BOTTLES**

(57) Hygienic nozzle for bottles, in the form of a single part consisting of a body which is rigidly connected to a base having a recess in the centre thereof, said recess defining, together with the inner surface of the body, a ring for support on the mouth of the bottle, the use thereof allowing the mouth of the bottle to be cleaned or disinfected, while maintaining the properties of the beverages to be consumed and being able to be used as a glass. The nozzle has a preferably tapered configuration which allows the use thereof on bottles with different mouth diameters and the stacking of various nozzles in a removable manner facilitates condensation and reduces the effervescence of gaseous, sparkling or carbonated drinks. An antiseptic sheet can be arranged over the inner surface of the nozzle or it can be covered with an antiseptic solution for cleaning or disinfecting the mouth of the bottle. The smooth outer surface allows an advertising or informative label to be placed thereon.

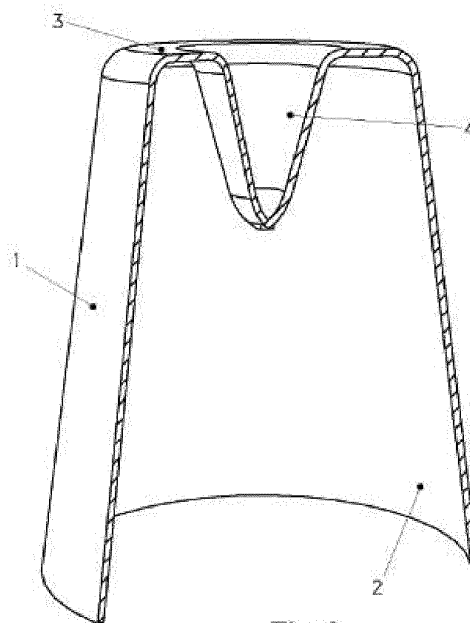


Fig.1

Description

FIELD OF THE INVENTION

[0001] The present invention relates to a hygienic nozzle for bottles, the body of which is rigidly joined to a base which has a recess in the central part thereof forming a ring with the interior surface of the body of the nozzle for the support thereof on the mouth of bottles.

PRIOR ART

[0002] At present and as a reference to the prior art, it is common and known to utilize different closures for bottles such as cork or plastic stoppers as well as metallic caps or capsules which prevent the accidental pouring of the contents of the bottle and serve to maintain or preserve the properties of the liquids. The removal of said closures for the consumption of beverages can leave residues such as rust, cork or mold on the mouth of the bottle.

[0003] Also known are diverse nozzles for pouring the contents of the bottles such as those used for pouring cider, dressing salads or measuring out liquors.

[0004] In bars it is common to use a paper serviette which is rolled on the mouth of the bottle when beverages are served in order to consume them directly from the bottle, with the aim that the consumer can clean possible remains of rust or residues left by the closure of the bottle and as a hygienic measure.

[0005] In the face of this state of affairs, the object of the invention claims a hygienic nozzle for bottles which consists of a body which is rigidly joined to a base which has a recess in the central part thereof forming a ring with the interior surface of the body of the nozzle for the support thereof on the mouth of bottles.

[0006] The use of this nozzle enables the cleaning of possible residues from the mouth of the bottles, as well as the preservation of the properties of the beverage to be consumed.

DESCRIPTION OF THE INVENTION AND ADVANTAGES

[0007] The present invention makes reference to a hygienic nozzle for bottles composed of a body rigidly joined to a base which has, at its center, a recess which defines, with the interior surface of the body of the nozzle, a support ring on the mouth of the bottle which enables the cleaning of possible residues from the mouth of the bottles as well as the preservation of the properties of the beverage to be consumed.

[0008] The body of the nozzle preferably adopts a tapered configuration which enables the use thereof in bottles with different mouth diameters since the nozzle is supported by the interior part of the base thereof on the bottles with standard or smaller diameter and on the interior wall of the body of the nozzle in bottles with greater

diameter.

[0009] Furthermore it is provided that the recess of the base of the nozzle has a conical form, which enables the stacking of various nozzles in an immovable manner, facilitating the packaging and storage thereof since upon inserting a nozzle into the interior of another, the volume of the assembly is considerably reduced, which economizes the costs of packaging and minimizes the space required for the storage thereof.

[0010] The conical form of the recess of the base of the nozzle also facilitates condensation and reduces the effervescence of gaseous, sparkling or carbonated beverages, allowing the properties of said beverages to be maintained.

[0011] In addition, the nozzle object of the invention is provided such that it can contain, in the interior thereof, antiseptic elements by means of inserting a sheet into the interior part of the nozzle or by means of utilizing an antiseptic solution applied by means of impregnation or spraying, which improves the hygienic qualities of the nozzle.

[0012] Lastly, it is provided such that on the exterior surface of the body of the nozzle which has smooth walls, a label can be placed by means of adhering, printing or stamping which enables the use thereof for advertising or informative purposes.

[0013] Additionally, the nozzle, due to its tapered configuration with flat base, can be utilized as a glass for sampling "shots" and can be supported on the bar on a table or on any horizontal surface.

DRAWINGS AND REFERENCES

[0014] In order to better understand the nature of the invention, in the attached drawings, a preferred industrial embodiment is represented, which is merely an illustrative and non-limiting example.

Figure 1 shows a perspective of the nozzle sectioned longitudinally in which the body (1), the interior surface (2), the base (3) and the recess (4) are shown. Figure 2 shows an upper perspective of the hygienic nozzle for bottles in which the elements composing it are observed in variable scale: body (1), base (3) and recess (4).

Figure 3 shows a lower perspective of the hygienic nozzle for bottles in which the body (1), the interior surface (2) and the recess (4) of the base (3) are observed.

Figure 4 shows a sectioned lateral view of the nozzle in which the body (1), the interior surface (2), the base (3), the recess (4) are observed, supported on the mouth of the nozzle (5).

[0015] In these figures, the following references are represented:

1. Body

2. Interior surface
3. Base
4. Recess
5. Bottle

DESCRIPTION OF A PREFERRED EMBODIMENT

[0016] With reference to the drawings and references numbered above, a preferred embodiment object of the invention is illustrated in the attached plans, relating to a hygienic nozzle for bottles.

[0017] The device which is proposed as illustrated in Figure 1 consists of a hygienic nozzle for bottles which has a body (1) with a tapered configuration rigidly joined to a base (3) which has, in the center thereof, a conical recess (4) which defines, with the interior surface (2) of the body (1) of the nozzle, a support ring on the mouth of the bottle (5) which enables the use thereof for cleaning the residues of the mouth or the disinfecting thereof, preserves the properties of the beverages, is easily stackable and can be used as a glass and as an advertising or informative medium.

[0018] The recess (4) preferably has a conical form as is illustrated in Figures 1 and 4 which facilitates the immovability of the nozzles when they are stacked one on top of the other, reducing the costs of packaging, as well as the space for the storage thereof. Furthermore, this conical form of the recess (4) of the base (3) of the nozzle facilitates condensation and reduces the effervescence of gaseous, sparkling or carbonated beverages, allowing the properties of said beverages to be maintained.

[0019] The use of antiseptic elements on the interior surface (2) of the body (1) of the nozzle, is preferably provided by means of the insertion of an antiseptic sheet or by means of impregnation or spraying of an antiseptic substance suitable for human consumption.

[0020] The tapered formation of the body (1) of the nozzle and the flat base (3) enables the use thereof as a glass as is reflected in Figure 3.

[0021] The smooth exterior surface of the body (1) as is reflected in Figure 2 facilitates the placement of labels by means of adhering, printing or stamping which enables the use thereof for advertising or informative purposes.

[0022] Furthermore, the tapered form of the body (1) of the nozzle enables the use thereof on bottles with mouths of different diameters, since the nozzle is supported by the interior part of the base (3) on the bottles with standard or smaller diameter and on the interior surface (2) of the body (1) of the nozzle on the bottles with a greater diameter, as is represented in Figure 4.

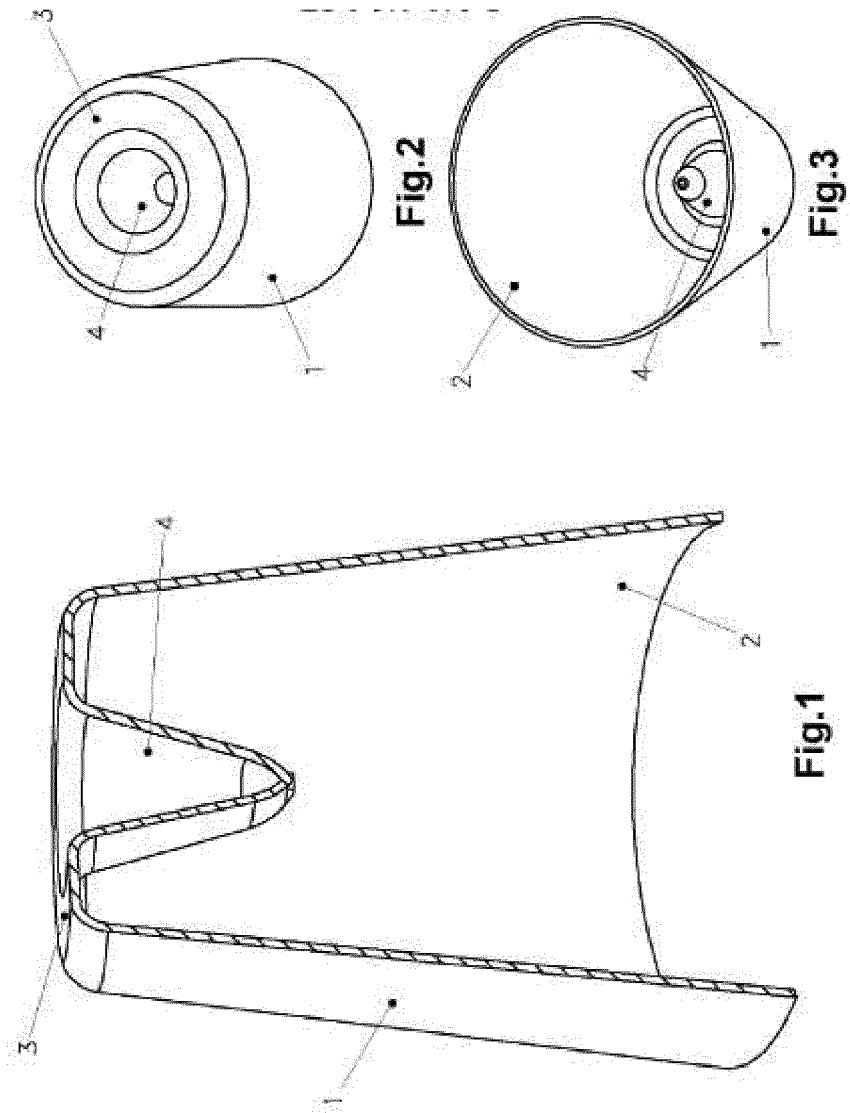
[0023] Thanks to this configuration, the known paper serviette rolled on the mouth of the bottle, commonly used in bars, can be substituted with a nozzle which enables the cleaning of the possible residues from the mouth of the bottles or the disinfecting thereof, the preservation of the properties of the beverage to be consumed, the use thereof as a glass or as an advertising or informative

medium as well as the adaptation to different mouth diameters and the immovable stacking of various nozzles, reducing the costs of packaging and facilitating the storage thereof.

[0024] Variations in materials, form, size and arrangement of the component elements, described in a non-limiting manner, do not alter the essence of this utility model.

Claims

1. A hygienic nozzle for bottles **characterized in that** it consists of one single piece formed by a body (1) rigidly joined to a base (3) which has, in the center thereof, a recess (4) which defines, with the interior surface (2) of the body (1), a support ring on the mouth of the bottle (5), enabling the use thereof for cleaning or disinfecting the mouth, maintaining the properties of the beverages to be consumed and being able to be used as a glass.
2. The hygienic nozzle for bottles according to claim 1, **characterized in that** the body (1) of the nozzle has a preferably tapered configuration which enables the use thereof on bottles with different mouth diameters.
3. The hygienic nozzle for bottles according to the preceding claims, **characterized in that** the recess (4) has a conical form which enables the stacking of various nozzles in an immovable manner, facilitating condensation and reducing the effervescence of gaseous, sparkling or carbonated beverages.
4. The hygienic nozzle for bottles according to the preceding claims, **characterized in that** the interior surface (2) of the nozzle is provided with an antiseptic sheet for cleaning or disinfecting the mouth of the bottle (5).
5. The hygienic nozzle for bottles according to claims 1 to 3, **characterized in that** the interior surface (2) is covered with an antiseptic solution suitable for human consumption by means of impregnation or spraying.
6. The hygienic nozzle for bottles according to any one of the preceding claims, **characterized in that** the body (1) of the nozzle has a smooth exterior surface which enables the placement of an advertising or informative label by means of adhering, printing or stamping.



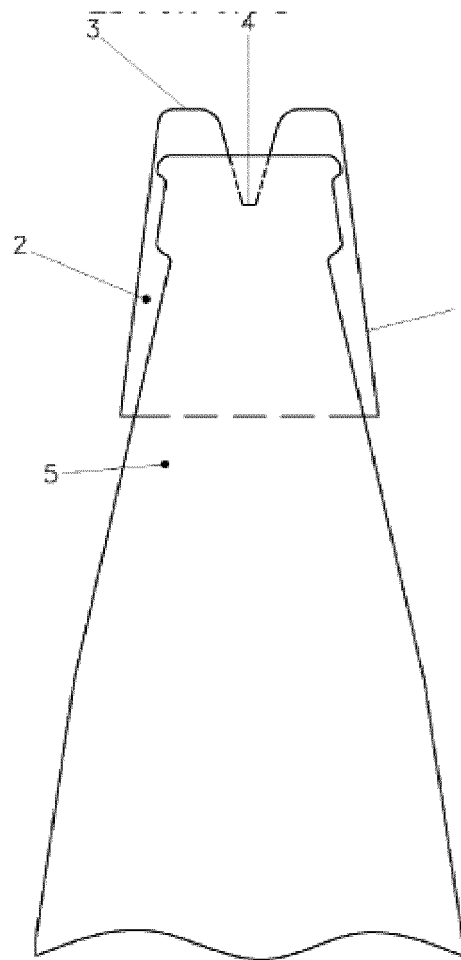


Fig.4

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES2014/070323

A. CLASSIFICATION OF SUBJECT MATTER

B65D41/26 (2006.01)**B65D25/48** (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, INVENES, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006047795 A1 (WOLF GEOFFREY CHARLES) 04/05/2006, the whole document.	1-6
X	US 3021977 A (HESTER DWIGHT H) 20/02/1962, the whole document.	1-6
X	US 2203476 A (TRABOLD FRANK W) 04/06/1940, the whole document.	1-6
A	WO 03072451 A1 (LEE IN JA) 04/09/2003, page 3, line 15- page 6, line 6; images.	1-6

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

Date of the actual completion of the international search

13/05/2014

Date of mailing of the international search report

(14/05/2014)

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES2014/070323

Information on patent family members

Information on patent family members			
Patent document cited in the search report	Publication date	Patent family member(s)	Publication date
WO2006047795 A1	04.05.2006	NONE	
US3021977 A	20.02.1962	NONE	
US2203476 A	04.06.1940	NONE	
WO03072451 A1	04.09.2003	AU2002239122 A1	09.09.2003