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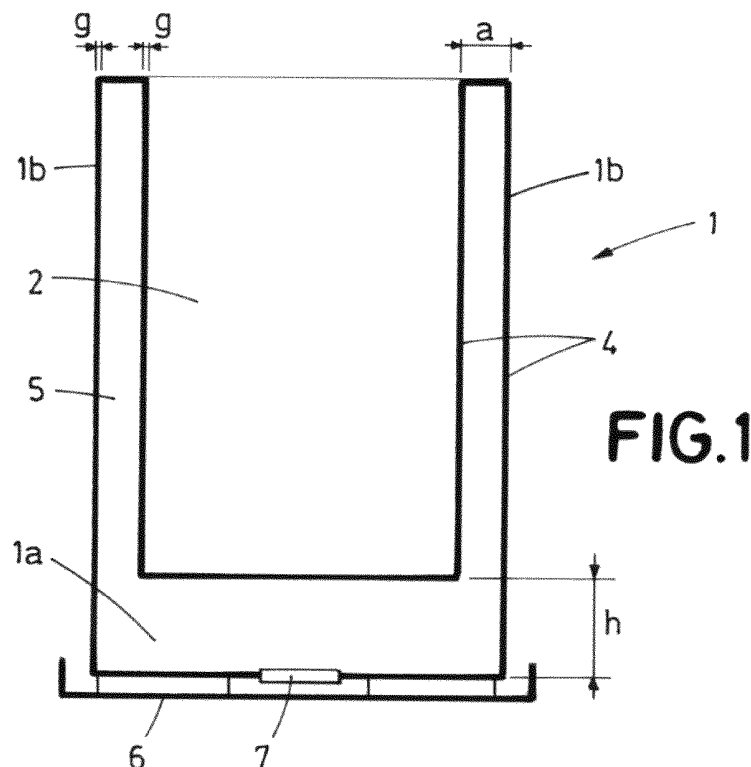
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(54) THERMAL RECEPTACLE FOR COOLING CONTAINERS

(57) Thermal container for cooling containers that, comprising a lower base (1a) and side walls (1b) that define a receptacle (2) intended to adapt to contain a container (3) of those intended to contain beverages and products that are consumed cold, such as a glass, a bottle, a can or other, is characterized in that the lower base (1a) and the side walls (1b) are made up of a double partition (4) that defines a thick surrounding cavity (5)

intended to contain water or other liquid that can be frozen, and thus keep the temperature of the drink or cold product contained in the container (3) or even more chilled; and because it also includes a collecting element (6) for possible condensed liquids on its surface. (Machine-translation by Google Translate, not legally binding)

**FIG.1****EP 3 812 669 A1**

Description

OBJECT & PURPOSE OF THE INVENTION

[0001] The invention, as the wording of the present description states, refers to a thermal receptacle for cooling containers which provides, for the purposes of the function for which it is designed, advantages and characteristics, described in detail below, which represent an improvement on the current state of the art.

[0002] More specifically, the object of the invention is focused on a receptacle which, designed to be adaptable to all types of containers, such as glasses, bottles, cans and others designed to contain drinks or other products which are consumed cold, comprises a base and sides which define a thick surrounding cavity intended to contain water suitable for turning into ice, following its introduction into a freezer prior to use, with the purpose of providing a method of maintaining the temperature of the products held in the said container or to even cool them further, especially recommended for the consumption of cold drinks in bars, restaurants or leisure venues, without discounting domestic use, and to thereby maintain the temperature of the same in perfect conditions, even when destined for consumption in outdoor terraces in full sunshine and/or in very warm situations.

FIELD OF APPLICATION OF THE INVENTION

[0003] The field of application of the present invention falls within the industry sector dedicated to the manufacture of goods and articles for cooking and catering.

BACKGROUND OF THE INVENTION

[0004] In reference to the current state of the art, it should be indicated that, although there are various types of utensil known on the market designed to maintain the temperature of containers such as bottles and similar items, some of which incorporate water or other liquids which may be frozen, the patent applicant at least is unaware of any other thermal receptacle for cooling containers which presents the same or similar technical, structural or constituent characteristics as that being claimed here, and whose purpose is to provide an improved means of maintaining the temperature of products, especially drinks, which are consumed cold in containers of all types.

EXPLANATION OF THE INVENTION

[0005] The thermal receptacle for cooling containers which the invention proposes permits the satisfactory achievement of the purposes indicated above, while the characteristic features which make this possible and distinguish it are all appropriately listed in the final claims which accompany the present description.

[0006] More specifically, what the invention proposes,

as indicated above, is a receptacle designed to adapt to all types of containers, such as glasses, bottles, cans and others designed to contain drinks or other products which are consumed cold, characterized in that it comprises a base and side walls which define a thick surrounding cavity intended to contain water or other liquid which, prior to the use of the receptacle, has been turned into ice, providing a method of maintaining the temperature of the drinks and products held in the container or to even cool them further, for a duration of 30 to 40 minutes, especially recommended for the consumption of cold drinks in bars, restaurants or leisure venues, and to thereby maintain the temperature of the same in perfect conditions, even when these are destined for consumption in outdoor terraces in full sunshine and/or in very warm situations.

[0007] For this purpose, and in a more specific manner, the receptacle, while it may exist in different forms, presents the following structural characteristics:

- A thickness of the partitions which define its walls, both internal and external, of approximately 1 mm.
- A width of the cavity in the area of the side walls of approximately 10 mm., and in the area of the lower base of approximately 20 mm.

[0008] In addition, the receptacle in all cases has a collection element which, preferentially defined by a stand in the form of a platform which protrudes around the perimeter and on which it is supported at a certain height, serves to collect possible liquid condensation on the cold surface of the same and thereby avoid damp marks on the table or surface on which it is placed and/or the clothing of the user through dripping.

[0009] In one embodiment, the receptacle, in order for it to be filled with water, includes a cap located in the base or side. While in another embodiment the surrounding cavity is hermetically sealed for indefinite filling, according to the manufacturer.

[0010] As already mentioned, in order to use the adapter, the water should reach a frozen state, which may be induced by placing it in a freezer for an adequate length of time.

DESCRIPTION OF THE DRAWINGS

[0011] To complement the description provided and in order to assist with a better understanding of the characteristics of the invention, the present description is accompanied, as an integral part of the same, by a set of plans which for illustrative but not exhaustive purposes represent the following:

Figure number 1.- Shows an upright cross-sectional schematic view of an embodiment example of the thermal receptacle for cooling containers, the object of the invention, illustrating its general configuration and the main parts and elements which it comprises.

Figure number 2.- Shows a view of the receptacle, according to the invention, similar to that shown in the previous figure, in this case also representing a container inside in order to illustrate the means of use.

PREFERRED EMBODIMENT OF THE INVENTION

[0012] In the light of the aforementioned figures, and in accordance with the numerals included, a non-exhaustive example may be seen of an embodiment of the thermal receptacle for cooling containers the object of the invention, which comprises that indicated and described in detail below.

[0013] In this way, as illustrated in the said figures, the thermal receptacle (1) in question comprises a lower base (1a) and side walls (1b) which define a vessel (2) intended to adapt to hold a container (3) of the type designed to contain drinks and products consumed cold, such as a glass, a bottle, a can or other, and which is distinguished by the fact that the lower base (1a) and the side walls (1b) are made up of a double partition (4) which defines a thick surrounding cavity (5) designed to contain water or other liquid suitable for freezing and thereby maintain the temperature of the drink or cold product held in the container (3) or cool it even further.

[0014] In a preferred embodiment, the partitions (4), both internal and external, which make up the lower base (1a) and the side walls (1b) of the receptacle (1) defining the surrounding cavity (5), have a thickness (g) of approximately 1 mm.

[0015] In addition, in the preferred embodiment, the surrounding cavity (5), in the area of the side walls (1b), has a width (a) of approximately 10 mm., and, in the area of the lower base (1a) a height (h) of approximately 20 mm.

[0016] In all cases, the receptacle (1) also comprises a collection element (6), which, preferentially, is defined by a stand in the form of a platform which protrudes around the perimeter of the body of the receptacle (1) and on which the said body is supported at a certain height, serving to collect possible liquid condensation on the surface of the same.

[0017] Preferentially, the platform which defines the collection element (6) protrudes around the perimeter of the body of the receptacle by approximately 0.5 cm. And, in addition, the body of the receptacle (1) is supported above the said platform of the collection element (6) by approximately 1 cm.

[0018] In one embodiment, the receptacle (1) has a cap (7) which closes hermetically, for example in a screw form, to allow the filling the surrounding cavity (5), which may be located on the lower base (1a), as shown in the example of the figures, or on a side wall (1b).

[0019] And, in another embodiment, not represented here, the surrounding cavity (5) is hermetically sealed and filling takes place during the manufacturing process of the receptacle (1).

[0020] Having adequately described the nature of the present invention, as well as the form of putting it into practice, it is not considered necessary to expand the explanation further in order for an expert on the subject to understand its scope and the advantages it provides, expressly stating that, within the context of its essential design, the invention may be put into practice in other embodiments which differ in detail from the illustrated example, and to which the protection obtained would equally apply, always provided its fundamental principle is not altered, changed or modified.

Claims

1. THERMAL RECEPTACLE FOR COOLING CONTAINERS which, comprising a lower base (1a) and side walls (1b) which define a receptacle (2) intended to adapt to hold a container (3) of the type designed to hold drinks and products consumed cold, such as a glass, bottle, can or other, is **characterized in that** the lower base (1a) and the side walls (1b) are made up of a double partition (4) which defines a thick surrounding cavity (5) designed to contain water or other liquid suitable for freezing, and thereby maintain the temperature of the drink or cold product held in the container (3) or even cool it further; and **in that** it also comprises a collection element (6) for possible liquid condensation on the surface of the same.
2. THERMAL RECEPTACLE FOR COOLING CONTAINERS, as recited in claim 1, **characterized in that** the partitions (4), both internal and external, which make up the lower base (1a) and the side walls (1b) of the receptacle (1) defining the surrounding cavity (5), have a thickness (g) of approximately 1 mm.
3. THERMAL RECEPTACLE FOR COOLING CONTAINERS, as recited in claims 1 or 2, **characterized in that** the surrounding cavity (5), in the area of the side walls (1b), has a width (a) of approximately 10 mm, and, in the area of the lower base (1a) a height (h) of approximately 20 mm.
4. THERMAL RECEPTACLE FOR COOLING CONTAINERS, as recited in any of the claims 1 to 3, **characterized in that** the collection element (6) for possible liquid condensation on the surface of the same is defined by a stand in the form of a platform which protrudes around the perimeter of the body of the receptacle (1) and on which the said body is supported at a certain height.
5. THERMAL RECEPTACLE FOR COOLING CONTAINERS, as recited in claim 4, **characterized in that** the platform which defines the collection element (6) protrudes around the perimeter of the body

of the receptacle by approximately 0.5 cm and the body of the receptacle (1) is supported above the said platform of the collection element (6) by approximately 1 cm.

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6. THERMAL RECEPTACLE FOR COOLING CONTAINERS, as recited in any of the claims 1 to 5, **characterized in that** it has a cap (7) which closes hermetically for the purposes of filling the surrounding cavity (5).

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7. THERMAL RECEPTACLE FOR COOLING CONTAINERS, as recited in any of the claims 1 to 5, **characterized in that** the surrounding cavity (5) is hermetically sealed and filling takes place during the manufacturing process of the receptacle (1).

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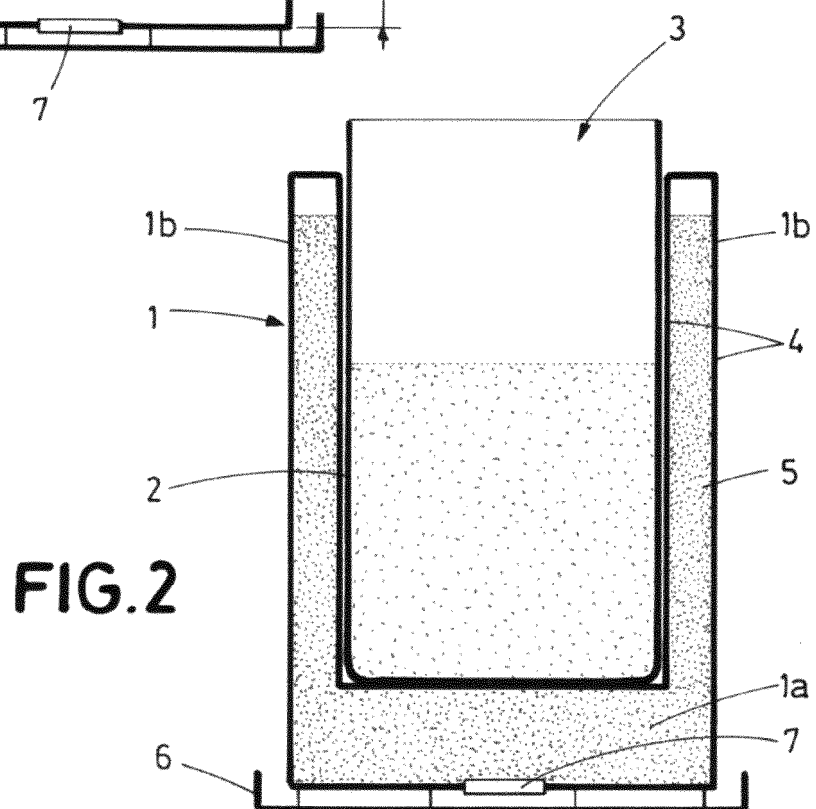
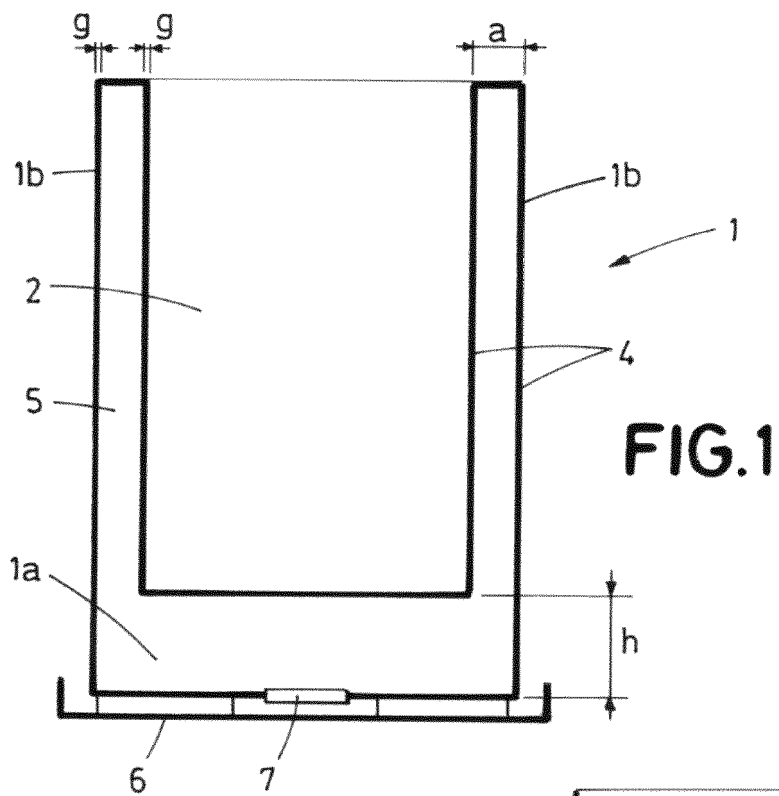
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EUROPEAN SEARCH REPORT

Application Number
EP 20 38 2773

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 17 March 2021	Examiner Dezso, Gabor
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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