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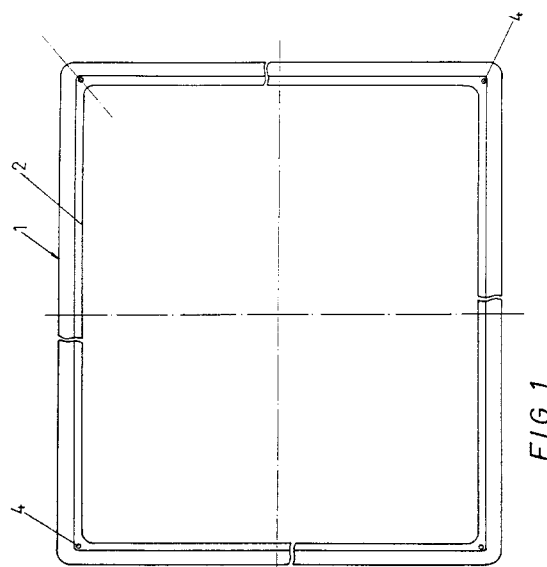
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(54) **Improvements in the support plate of the cooking ceramic glass.**

(57) Improvements in the support plate of the cooking ceramic glass, being that support plate a decorative element and obtaining the support frame of the ceramic glass by hammering, in such a way that those improvements are determined when doing, in the corners of the support frame (2) of the ceramic glass (3), a punch that causes the partial release of a small part (4) according to its most internal area of the corner, being under the support level of the glass in its location frame.



OBJECT OF THE INVENTION

The following invention, according to the above mentioned heading, is an improvement in the support plate of the cooking ceramic glass, being that support plate a decorative element at the same time and made of stainless or enameled steel, its configuration being obtained by hammering from the base plate.

The improvements are based on a punching in the corners of the support frame of the ceramic glass, without causing a total release of material, thus avoiding the so expensive ceramic glass can be broken during the operation previous to this installation, which would make it useless and not viable from the economic point of view.

BACKGROUND OF THE INVENTION

The ceramic glass to be used in cooking is leant on a frame obtained by hammering from a base plate, being a decorative element at the same time, in such a way that if the configuration of the support base of the ceramic glass is made with prominent angles there can be accumulations of stress in specific points that which cause the breaking of the base plate, making it useless, so it must be made with slightly prominent angles.

This disadvantage worsens in the corners of the support plate, in such a way that the ceramic glass is made with its rounded the corners in order to avoid its contact with the support plate, which would cause its breaking. Therefore, it is necessary to manufacture the ceramic glass with its rounded corners, and this increases its cost highly in the manufacturing process.

In case of breaking of the ceramic glass, so minimum though, makes it useless with minimum reliability guaranties, since its performance is completely unforeseeable.

DESCRIPTION OF THE INVENTION

In this memory, we describe some improvements performed in the support plate of the ceramic glass to be used in cooking, based on a punch in each corner of the perimeter support frame of the ceramic glass, with no material release.

Therefore, the punching is made in the corners of the perimeter support frame of the ceramic glass, causing the partial release of the area of the corner whose internal side is under the support level of the ceramic glass, thus avoiding its contact with the support plate and, at the same time, the drop of material that could accumulate in inconvenient locations.

In this way, we can avoid the breakings of the ceramic glass caused during the operation previous to its installation, as a consequence of the stress produced, which reduces the economic losses given the

high cost of the ceramic glass.

The support plate, made of stainless or enameled steel, can be obtained by hammering, with no prominent angles which could cause its breaking, due to the accumulation of stress in specific points if it is made with very prominent angles.

To complement the following description and help to a better understanding of its features, this memory has a set of charts which show graphically and limitless the most important details of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1. Shows a general view of the support plate of the ceramic glass that, at a time, is a decorative element, noticing in its corners the punching made with no total release of material.

Figure 2. Shows a detailed view of a section made by an corner of the support plate, according to the support frame of the ceramic glass, prior to its punching.

Figure 3. Shows a detailed view of a section made by an angular point of the support plate, according to the support base of the ceramic glass, after the punching that causes the partial release of material of the angular point.

Figure 4. Shows a detailed view of a section made by an corner of the support plate, according to the support base of the ceramic glass which leans on it.

DESCRIPTION OF A PREFERRED EMBODIMENT

After seeing the above figures and according to the numbering adopted, we can notice how the support plate (1) is formed by hammering from a base body that, at a time, forms a perimeter support frame (2) of the ceramic glass (3).

In the corners of that frame (2) formed by hammering, on which the ceramic glass (3) leans, a punching has been done to cause the release of material, with a partial breaking, forming a particle (4) that lies beneath the support level of the ceramic glass, so its corner does not find the support.

In this way, the support plate can be formed by slightly prominent angles, thus avoiding breakings, and by causing the partial release of material (4) corresponding to the same corner of the support frame (2) of the ceramic glass, its contact with the corner of the support plate is avoided, as well as the breakings of the ceramic glass. All this means a considerable economic saving given the high cost of ceramic glasses.

Besides, it is not necessary to round the corners of the ceramic glass (3) and that reduces its manufacturing cost significantly.

Claims

1. IMPROVEMENTS IN THE SUPPORT PLATE OF THE COOKING CERAMIC GLASS, being that support plate a decorative element and obtaining the perimeter support frame of the ceramic glass in the support plate by a hammering process, especially characterized because in the corners of the support frame (2) of the ceramic glass (3) there is a punching that causes the partial release of the particle (4) in the area nearest to the corner that lies beneath the support level of the ceramic glass in its location frame, allowing the use of ceramic glasses (3) of straight corners.

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