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(54) **Built-in cooking hob, with oversize external dimension, easily adaptable to adjacent encumbrances**

Überdimensionierte, an Umgebungsgegebenheiten anpassbare Einbaukochmulde

Plaque de cuisson surdimensionnée pour montage encastré et adaptable aux obstructions adjacentes

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## Description

The present invention concerns a built-in cooking hob, with oversize external dimension, easily adaptable to adjacent encumbrances, in particular next to a sink, since it can be moved leftwards or rightwards with respect to a central position, symmetrical both with respect to the hollow in the piece of furniture and to the carter or base housed in said hollow.

It is known that in modern kitchens with integrated furniture it is often requested by the user to have cooking hobs with oversize supporting surface, in particular with width greater than the standard size of about 60 cm. On the other hand it is known that furniture-makers have conformed themselves to the standardization of said sizes so that it is not thinkable, unless with great manufacturing difficulties for the furniture-maker, to form hollows or "holes" of greater size in furniture which is already sized for these standard widths of 60 cm.

Since it happens sometimes that a sink or another standard size domestic appliance is housed next to a cooking hob, so that it is not possible for an oversize width cooking hob to extend towards it, as it is possible on the contrary towards an area of the furniture surface to be used as a work top only, in these instances it is required to move most of the bulk of the cooking hob towards the side opposite to the one next to the encumbrance (sink or the like). Rejecting the solution of modifying the hollows, for the reasons mentioned above, the problem has been solved so far by providing the base of the cooking hob with a width significantly smaller than the standard size of 60 cm as known from EP-A-505 806. In this way, a certain mobility of the cooking hob with respect to the underlying hollow is assured since its base is free to move with respect to the latter. However, by reducing the size of the base other drawbacks arise such as the need to assemble the elements very near one to the other but most of all a reduced dispersion of the heat and a significant increase of the temperature on the walls of the base due to the smaller volume of air contained therein.

Therefore, an object of the present invention is to provide a cooking hob whose size is greater than the standard one, that can be recessed in the same hollow formed for a conventional size hob and is also provided with a conventional size, non reduced, base, which is fixedly housed inside the hollow, having, however, the visible part of the cooking hob capable of being moved from one side to the other with respect to the base so as to have most of the bulk on the right or on the left according to the need.

This object is achieved by means of a cooking hob whose base is adjustably fixed to the upper visible part of the hob through a plurality of screws integral with the upper part and passing through the whole height of the cooking hob so as to be blocked on the lower side along elongated slots oriented in the direction of the width.

Other objects, advantages and characteristics of

the cooking hob according to the present invention will be apparent from the following detailed description of a preferred embodiment thereof, reported as non-limiting example, referring to the annexed drawings wherein :

Fig. 1 shows an upside down perspective view of a cooking hob according to the invention whose visible upper part has a width greater than the standard value of 60 cm; and

Figs. 2a, 2b and 2c show three different placings of the cooking hob according to the invention.

Referring to fig. 1, the cooking hob according to the invention is shown upside down, so as to illustrate mainly the lower side of the cooking hob 1, i.e. the base or carter 1b though the upper part 1a is also visible, which is intended to abut on the surface of the furniture or "top". Arrows F indicate the direction of the width of the cooking hob and it should be noted that in said direction the size of part 1a is greater compared to the conventional standardized ones, of about 60 cm.

According to the present invention, on the contrary, the size of the base or carter 1b in the direction of the width as mentioned above is exactly the same as the standard one, so that this part of the cooking hob, containing the various members for the regulation, control and distribution of the heating energy (gas or electricity), is housed in the suitable hollow in the furniture, having exactly the same size, but for a little play, without any possibility of movement.

With reference to fig.2a, it is illustrated a situation wherein a cooking hob 1 as the one shown in fig.1 is recessed into a standard size piece of furniture, placed side by side with two similar pieces of furniture 10' and 10" which form a continuous work surface or "top" 20. If the lateral portions of the upper plate 1a projecting with respect to the base 1b are indicated by the numerals 3 and 5 for the left and right side, respectively, in fig.2a there is seen that the portions 3 and 5 abut on the surface 20 without any problem.

Referring now to fig.2b, where the piece of furniture 10, wherein the cooking hob 1 is recessed, is placed side by side, on the right of the drawing, with a sink 11, the lateral projecting portion 5 of the upper plate 1a can not extend rightwards, where sink 11 nearly reaches the edge of the piece of furniture 10. In this case, the upper part 1a of the cooking hob will be moved leftwards with respect to base 1b which obviously remains fixed inside its standard housing.

This may be done since the upper part 1a of the cooking hob is usually fixed to the carter or lower base 1b by means of screws 7 as shown in fig.1. More precisely, said screws 7 may be formed by a threaded shank integral with said upper part 1a of the cooking hob and going down through the whole underlying carter 1b till they come out from the lower side thereof, to which they can be fixed by means of a nut or any other fixing device. Each screw 7 comes out below carter 1b through

an elongated slot 9 extending for a certain length in the direction of the width. In normal conditions, with centered upper plate 1a, as in figs.1 and 2a, screws 7, five of them being represented here, are fixed at the center of the respective slot 9.

The length of slots 9 corresponds to the maximum possible movement of the upper plate 1a with respect to the base, illustrated in figs.2b and 2c, where, respectively, the upper plate 1a is moved completely leftwards (and portion 3 is therefore nearly doubled in width, to the loss of portion 5, compared to the centered situation of figs.1 and 2a) and rightwards, not being on the left a surface 20 whereupon it can extend with its portion 3, since in this case the cooking hob 1 is recessed in the first piece of furniture 10 on the left side (and now it is portion 5 which is practically double in width to the loss of portion 3).

It should be noted that, by making mutually movable the upper part of the cooking hob and the lower protection base, non-rigid connections must be provided between the two parts to allow the movements.

## Claims

1. A built-in cooking hob, with oversize external width, having an upper visible part (1a) and a lower base (1b), characterized in that the latter, of standard size and suitable to be recessed without play in a housing of corresponding size, is adjustably fixed to said part (1a) of the hob by means of a plurality of screws (7) integral with part (1a) and going through the whole height of the cooking hob (1) to be blocked on the lower side along elongated slots (9) extended in the direction of the width.
2. A cooking hob according to claim 1, characterized in that said upper visible part (1a) of the hob (1) projects sidewise with respect to said lower base (1b) with two lateral portions (3, 5), on the left and on the right respectively, of equal width when said screws (7) are blocked at the center of said slots (9).
3. A cooking hob according to claim 2, characterized in that the sum of the widths of said projecting portions (3, 5) is constant for any adjustment of the cooking hob, up to concentrating completely in portion (3), with portion (5) practically negligible, in the case of the upper plate (1a) completely moved to the left and on the contrary in portion (5), with portion (3) practically negligible, with the upper plate (1a) completely moved to the right, the length of slots (9) being equal to the maximum possible movement between these two end positions.

## Patentansprüche

1. Einbaukochmulde mit extern übergroßer Breite, welche aufweist einen oberen sichtbaren Teil (1a) und eine untere Basis (1b), **dadurch gekennzeichnet**, daß letztere, von Standardgröße und geeignet spielfrei eingefahren zu werden in ein Gehäuse von entsprechender Größe einstellbar an dem Teil (1a) der Mulde befestigt ist, mittels einer Vielzahl von Schrauben (7) integral mit dem Teil (1a) und durch die gesamte Höhe der Kochmulde (1) verlaufend, um an der unteren Seite entlang länglichen Schlitzsen (9), welche sich in der Richtung der Breite erstrecken blockiert zu werden.
2. Einbaukochmulde nach Anspruch 1, **dadurch gekennzeichnet**, daß der obere sichtbare Teil (1a) der Kochmulde (1) seitwärts mit Bezug auf die untere Basis (1b) vorspringt mit zwei Lateralabschnitten (3, 5) an der linken bzw. der rechten Seite bei gleicher Breite, wenn die Schrauben (7) an der Mitte der Schlitzse (9) blockiert oder arretiert sind.
3. Einbaukochmulde nach Anspruch 2, **dadurch gekennzeichnet**, daß die Summe der Breiten der vorspringenden Abschnitte (3, 5) konstant ist für eine beliebige Einstellung der Kochmulde, bis hin zur vollständigen Konzentration im Abschnitt (3), wobei der Abschnitt (5) praktisch vernachlässigbar in dem Fall ist, in welchem die obere Platte (1a) vollständig nach links bewegt ist, und im Gegensatz hierzu im Abschnitt (5), wenn der Abschnitt (3) praktisch vernachlässigbar ist, wobei die obere Platte (1a) vollständig nach rechts bewegt ist, wobei die Länge der Schlitzse (9) gleich ist zu der maximal möglichen Bewegung zwischen diesen zwei Endpositionen.

## Revendications

1. Table de cuisson encastrée ayant une largeur externe surdimensionnée, comprenant une partie supérieure visible (1a) et une base inférieure (1b), caractérisée en ce que la base, de dimension standard et adaptée à être recue sans jeu dans un logement de taille correspondante, est fixée de manière ajustable à ladite partie (1a) de la table au moyen d'une pluralité de vis (7) faisant partie intégrante de la partie (1a) allant à travers la totalité de la hauteur de la table de cuisson (1) à bloquer sur le côté inférieur le long de fentes allongées (9) s'étendant dans la direction de la largeur.
2. Table de cuisson selon la revendication 1, caractérisée en ce que ladite partie supérieure visible (1a) de la table (1) se projette latéralement par rapport à ladite base inférieure (1b) avec deux parties latérales (3, 5), sur la gauche et sur la droite respecti-

vement, de largeur égale lorsque lesdites vis (7) sont bloquées au centre desdites fentes (9).

3. Table de cuisson selon la revendication 2, caractérisée en ce que la somme des largeurs desdites parties saillantes (3, 5) est constante pour n'importe quel ajustement de la table de cuisson, jusqu'à être complètement concentré dans la partie (3), avec la partie (5) pratiquement négligeable, dans le cas où la plaque supérieure (1a) est complètement déplacée vers la gauche et au contraire dans la partie (5), avec la partie (3) pratiquement négligeable, lorsque la plaque supérieure (1a) est complètement déplacée vers la droite, la longueur des fentes (9) étant égale au déplacement maximum possible entre ces deux positions extrêmes.

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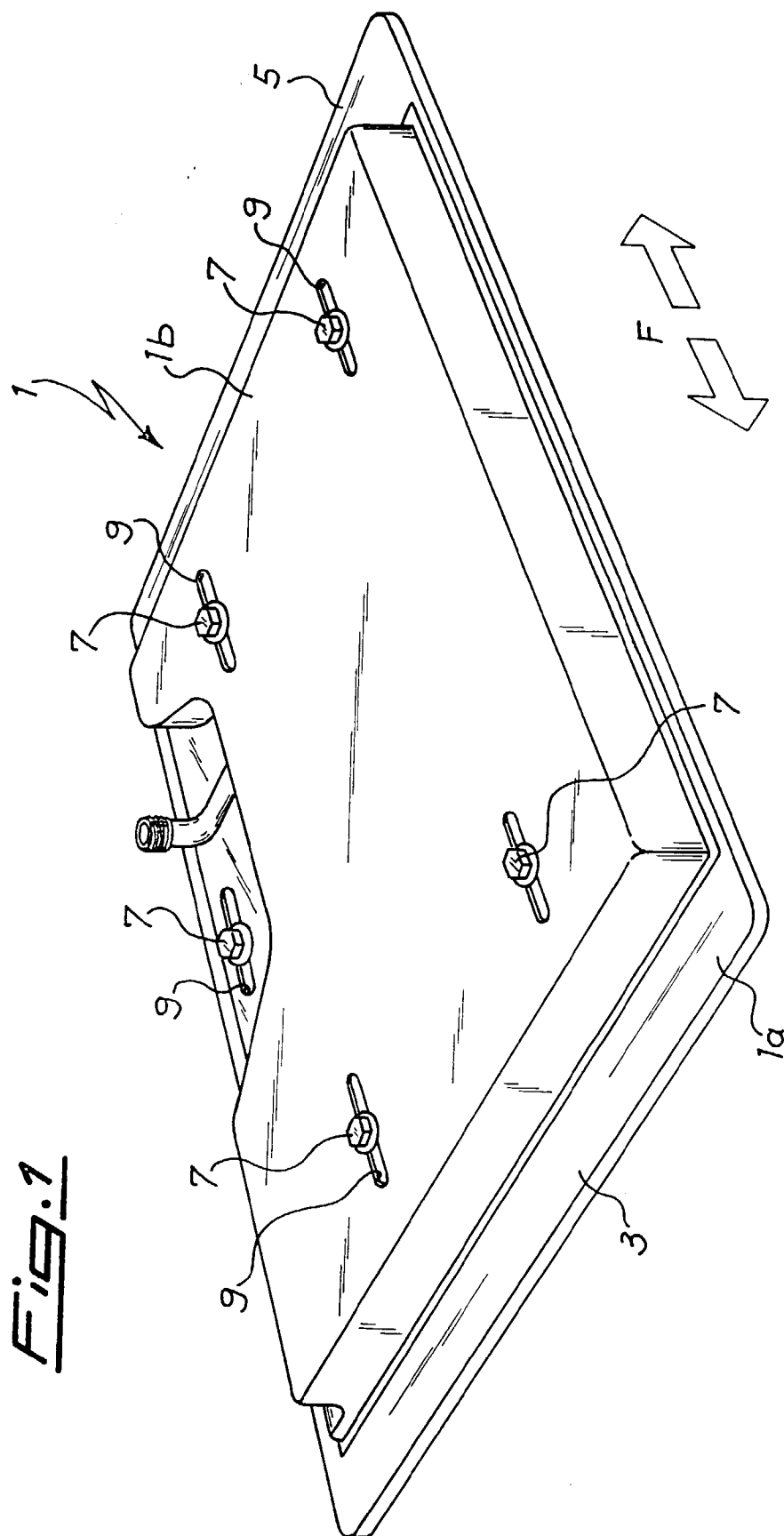
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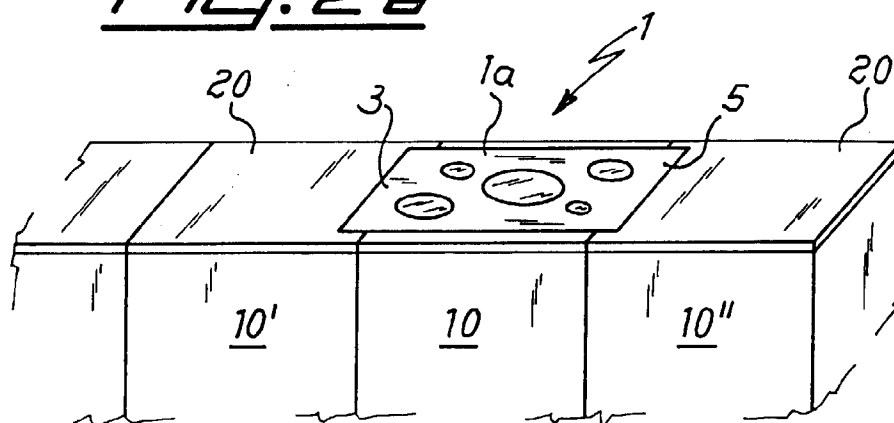
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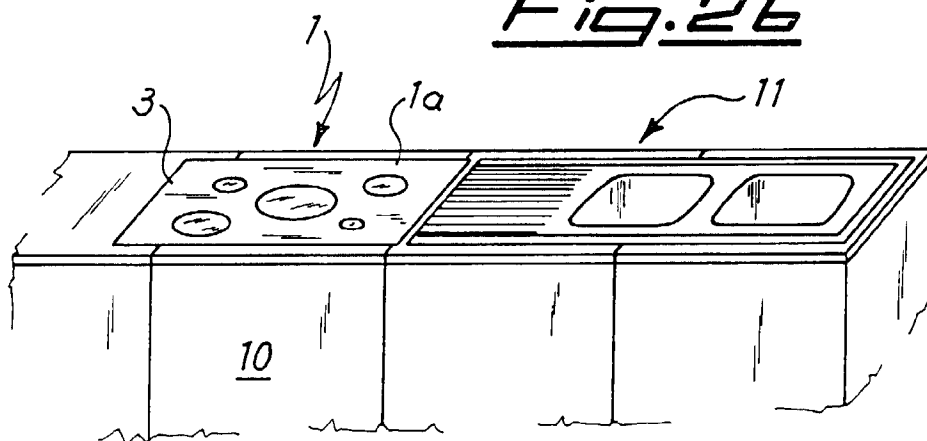
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**Fig. 2a**



**Fig. 2b**



**Fig. 2c**

