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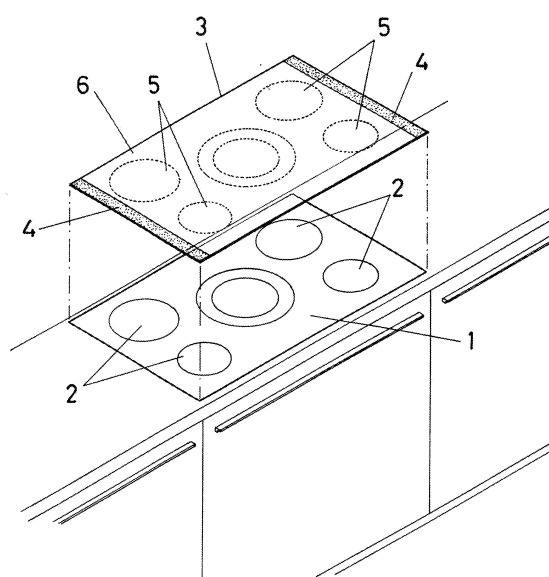
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(54) **PROTECTIVE DEVICE FOR INDUCTION COOKTOPS**

(57) The invention relates to a protective device for induction cooktops, such that placing said protective device between the induction cooktop and the cooking elements creates a significant barrier that prevents said cooktop from becoming damaged or dirty; said device

consists of a sheet of special paper (6) the same shape as the cooking surface to be covered and the ends thereof have two attachment areas (4) consisting of a special adhesive that can easily be stuck and unstuck without leaving any traces of glue.



**FIG.1**

## Description

[0001] The advocated invention relates to a protective device for the induction cooktops such that placing said protective device between the induction cooktop and the cooking elements creates a significant barrier that prevents said cooktops from becoming damaged or dirty.

[0002] The field of the invention is manufacturers for auxiliary devices in the appliance industry.

## BACKGROUND OF THE INVENTION

[0003] The effect on induction plate kitchens of accidental spillage of hot liquids of any kind is widely known.

[0004] And even worse when due to carelessness the cooked item throws back even more heat to the plate or a liquid which then solidifies.

[0005] It is also known the damage on crystal induction plates caused by continuous cleaning with abrasive products.

[0006] Particularly aggressive are the cleaning operations with blades in order to remove difficult stains.

[0007] There is knowledge of some homemade and rudimentary attempts of placing elements between the cooking elements and the plates pieces such as aluminum foils, but these are technically imperfect solutions, difficult to install and maintain and in many cases with questionable results.

[0008] This invention is presented to solve these everyday problems by the interposition of a suitable technically perfect foil.

[0009] The inventor does not know of any prior art that incorporates the provisions presented by the current invention, nor the advantages of that provision.

## DESCRIPTION OF THE INVENTION

[0010] The advocated invention relates to a protective device for the induction cooktops so that with the interposition of the protective device between the induction plate kitchen and the cooking elements an important barrier against dirt and damage of said plate is created.

[0011] On an induction plate temperature is generated by a magnetic field generated by a magnetic field which is created below the glass.

[0012] In these cases the heat passes directly to the base of the cookware without heating the glass, therefore a thin element can be interposed between them without burning said element and this is the basis of the protective device hereby advocated.

[0013] Basically the protective device for induction cooktops defined in the invention is formed from a sheet of special paper, identical to the cover plate to be covered and that has two mounting areas at its end edges constituted by an special adhesive paste that sticks on and off easily without leaving any trace of glue.

## DESCRIPTION OF THE DRAWINGS

[0014] For a better understanding of the invention a sheet of drawings is attached showing the following:

### FIGURE 1. -

[0015] Perspective view of the protective device about to be installed.

[0016] In this figure, the same reference identical elements are referred to, we distinguish between:

1. - Induction cooktop.
2. - Cooking areas.
3. - Protecting device.
4. - Device attachment area (3).
5. - Markings in protective device (3).
6. - Thin sheet of special paper

## PREFERRED EMBODIMENT OF THE INVENTION.

[0017] The advocated invention relates to a protective device for the induction cooktops so that with the interposition of the protective device (3) between the induction plate of cooking (1) and the cooking elements located above the cooking area (2) there is a significant barrier for the plates against damage and dirt.

[0018] Basically the protective device for induction cooktops defined in the invention is formed from a sheet of special paper(6), the same shape as the cooking surface to be covered and the ends thereof have two attachment areas (4) consisting of a special adhesive that can easily be stuck and unstuck without leaving any traces of glue.

[0019] On the sheet (6) there are brief indicative signals (5) drawn for each cooking plate (1) so that the cooking elements may be placed correctly on the cooking plates.

[0020] In the event that the sheet (3) is translucent, it will not be necessary to draw the position of the plates.

[0021] Being the nature of the invention sufficiently described, as well as how to be implemented, it must be stated that the above referred provisions shown in the accompanying drawings are susceptible to changes in detail as long as there is not altering its fundamental principles set out in the above paragraphs and summarized in the following claims.

## Claims

1. **PROTECTIVE DEVICE FOR INDUCTION COOKTOPS** essentially **characterized by** being made up from a sheet of special paper (6), the same shape as the cooking surface to be covered and the ends thereof have two attachment areas (4) consisting of a special adhesive that can easily be stuck and unstuck without leaving any traces of glue.

2. **PROTECTIVE DEVICE FOR INDUCTION COOK-TOPS** according to the preceding claim, **characterized in that** on the sheet (6) there are some indicative signs (5) briefly drawn of each cooking plate (1).

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3. **PROTECTIVE DEVICE FOR INDUCTION COOK-TOPS** according to the preceding claim, **characterized in that** in case the sheet (3) is translucent, it will not be necessary to identify the position of the cooking plates.

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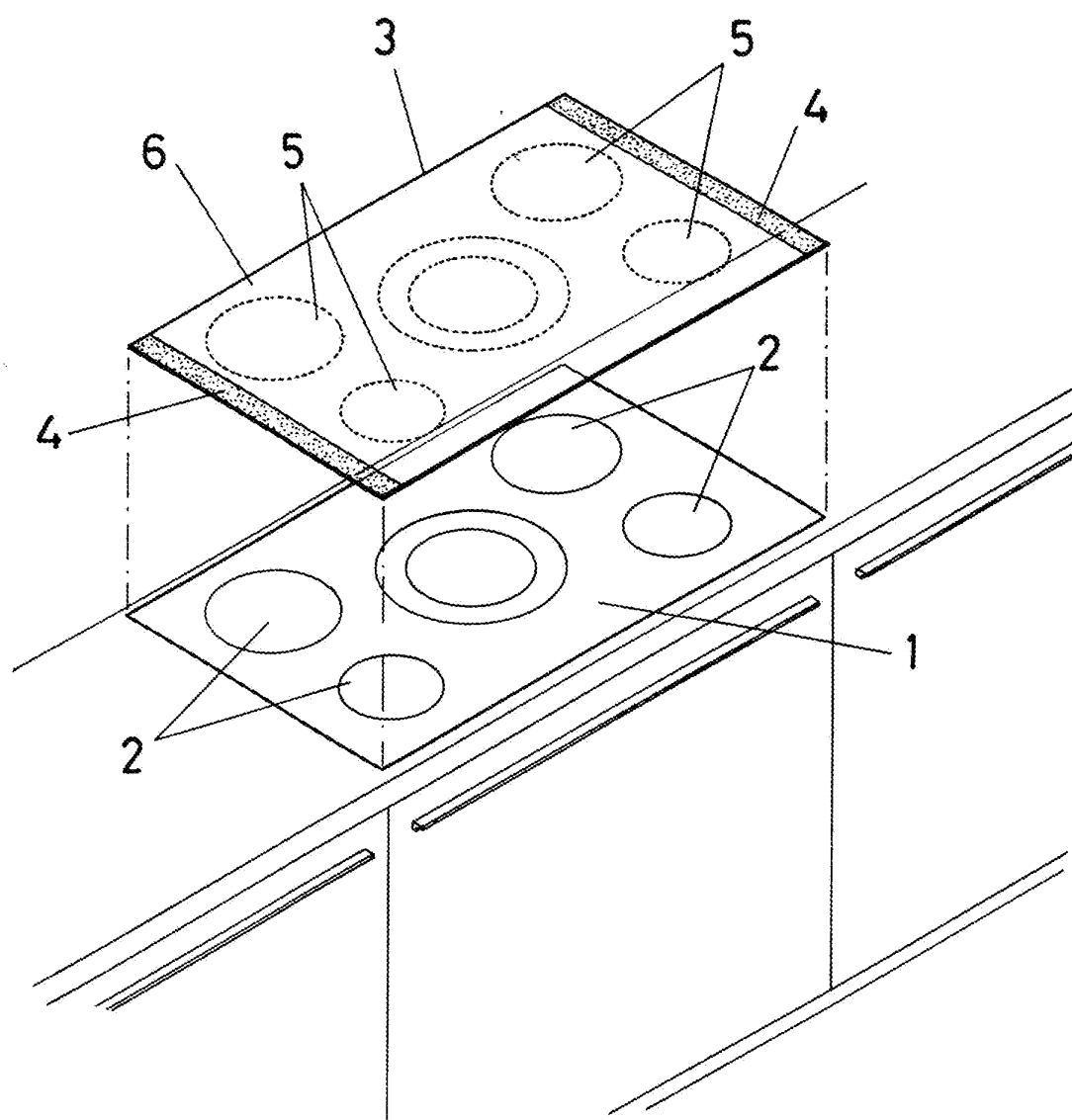
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**FIG.1**

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/ES2011/070247

## A. CLASSIFICATION OF SUBJECT MATTER

**H05B6/12** (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)  
**H05B**

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**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2005216844 A (ISHIDA FUJIE) 11/08/2005, figures & JP2005216844 A (ISHIDA FUJIE) abstract [on line] Abstract from DataBase EPODOC. Retrieved from EPODOC	1-3
X	US 2009289054 A1 (WILLIAMS PHILLIP; REISCHMANN MICHAEL ) 26/11/2009, abstract; paragraphs [44] and [54 - 57]; figures 5 - 6.	1-3
X	WO 2005039366 A1 (KJELDSSEN WILLY ) 06/05/2005, page 4, lines 10 - 29; figures.	1
A	JP 2002134256 A (NISHIGUCHI YURIKO) 10/05/2002, figures & JP 2002134256 A (NISHIGUCHI YURIKO) abstract; [on line] Abstract from DataBase EPODOC. Retrieved from EPODOC	1

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:	"T" 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
"A" document defining the general state of the art which is not considered to be of particular relevance.	
"E" earlier document but published on or after the international filing date	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"O" document referring to an oral disclosure use, exhibition, or other means.	"Y" 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
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

Date of the actual completion of the international search  
**24/06/2011**

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Name and mailing address of the ISA/

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# EP 2 584 865 A1

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES2011/070247

Information on patent family members

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