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PAELLA PAN WITH AUTOMATIC IGNITION

- (57)

Paella pan with automatic ignition designed to ignite the flames of a paella pan automatically comprising at least one arc electrode (1) attached to the rings (2) of a paella pan (3) oriented towards the gas outlet expelled by
- the rings (2) connected to an electric circuit, which includes at least one high-voltage generator that allows to ignite in flames the gas expelled by the rings (2) of a paella pan (3).

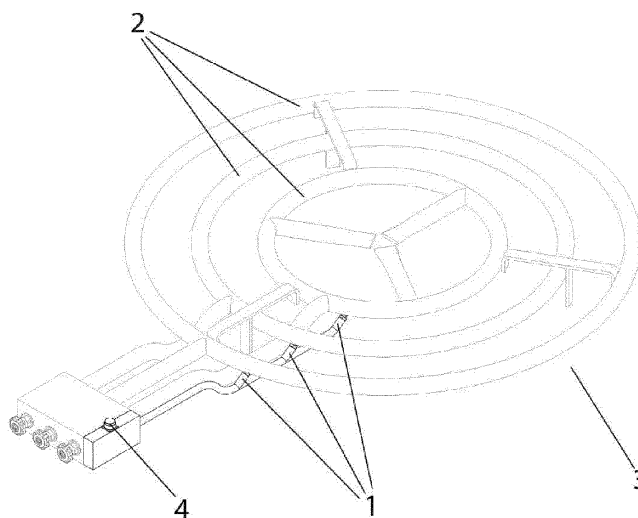


FIG. 1

Description

PURPOSE OF THE INVENTION

[0001] The purpose of the invention is, as the title indicates, a paella pan with automatic ignition, capable of igniting the flame of a paella pan automatically. This is an innovation that, within the current technologies, provides advantages that were unknown until now.

[0002] This invention is distinguished by the special functional and constructive characteristics of the elements that make up the device, in such a way that they all contribute to the realisation of a paella pan with automatic ignition which, by simply pressing a control mechanism, ignites the flame of a paella pan.

TECHNOLOGICAL SECTOR

[0003] Therefore, this invention falls within the field of cooking and camping devices.

BACKGROUND OF THE INVENTION

[0004] Cooking outside a kitchen means not having all the means and tools for cooking available, especially if the users have to travel to places that are not equipped, such as the countryside or the beach. In particular, the flame of the paella pans must be lit manually by the users, requiring them to carry an element that can ignite the flame, which they may not always have at hand.

[0005] With regard to the current technology available, it should be noted that, although various paella pan designs exist, none of these have structural or constitutive technical characteristics equal or similar to those displayed by the invention claimed herein.

EXPLANATION OF THE INVENTION

[0006] The invention features a paella pan with automatic ignition designed to light the flames automatically by simply pressing a control mechanism.

[0007] Specifically, what the invention proposes, as stated above, is a paella pan with automatic ignition consisting of at least one fixed electric arc electrode attached to the ring structure of a paella pan and oriented toward the flame outlet which is connected to an electrical circuit comprising at least one high-voltage generator. By means of a control mechanism connected to the high-voltage generator, the user can activate it and ignite a spark that allows the gas to ignite.

[0008] The paella pan with automatic ignition can operate by connection to the mains or by means of a battery that can be rechargeable or non-rechargeable.

[0009] Unless otherwise indicated, all of the technical and scientific components used in this report have the same meaning as that usually understood by an expert in the sector to which this invention belongs. When putting this invention into practice, procedures and materials

similar or equivalent to those described herein may be used.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010] With the aim of completing this description and facilitating a better understanding of the invention's characteristics, this descriptive report is accompanied by drawings, which are an integral part of the same. The figures are for illustrative purposes and are not limiting. They represent the following:

Figure 1 is a perspective representation of the paella pan with automatic ignition.

PREFERRED USE OF THE INVENTION

[0011] In view of the aforementioned drawings, a preferred, but non-limiting use of the proposed invention is described below, which consists of a paella pan with automatic ignition.

[0012] As shown in the figures, the paella pan with automatic ignition comprises at least one arc electrode (1) attached to the rings (2) of a paella pan (3) oriented towards the gas outlet expelled by the rings (2) connected to an electric circuit, comprising at least one high-voltage generator powered by the mains or by a battery, rechargeable or non-rechargeable, ignited by a control mechanism (4).

[0013] Having sufficiently described the nature of this invention, as well as how to use it, further explanation is not considered necessary for any expert on the subject to understand its scope and benefits. It is also noted that, within its essential nature, the device may be implemented in other ways which differ from the one described by way of example. The protection sought shall equally apply in these cases, provided that its fundamental principal is not altered, changed or modified.

Claims

1. Paella pan with automatic ignition, distinguished because it comprises at least one arc electrode (1), attached to the rings (2) of a paella pan (3) oriented towards the gas outlet expelled by the rings (2), connected to an electric circuit, which includes at least one high-voltage generator, linked to a control mechanism (4).
2. Paella pan with automatic ignition which, according to the previous claim, is distinguishable because the high-voltage generator is powered by the mains or by batteries.
3. Paella pan with automatic ignition which, according to the previous claim, is distinguishable because the battery is rechargeable or non-rechargeable.

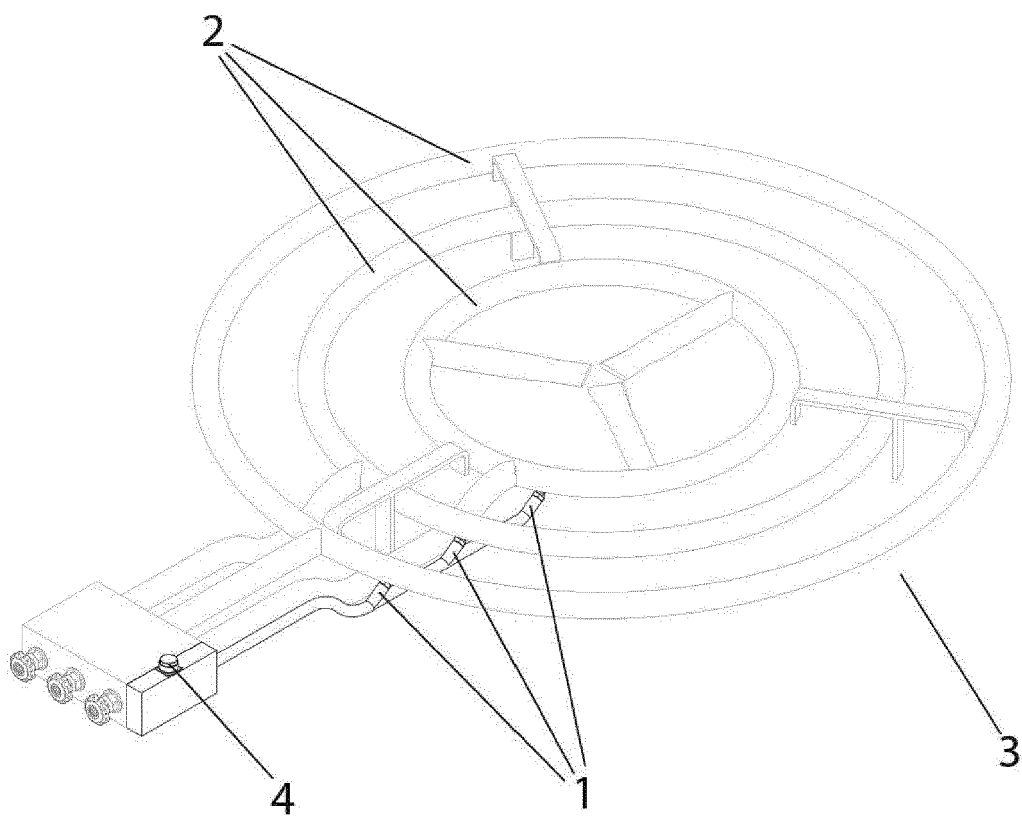


FIG. 1



EUROPEAN SEARCH REPORT

Application Number

EP 24 18 2512

DOCUMENTS CONSIDERED TO BE RELEVANT

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X	ES 1 200 110 U (LUIS ALONSO JUAN FRANCISCO [ES]) 28 November 2017 (2017-11-28) * page 7, line 4 - page 7, line 5 * * figure 1 * -----	1-3	INV. F24C3/10
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			TECHNICAL FIELDS SEARCHED (IPC)
			F24C
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		6 November 2024	Jalal, Rashwan
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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			

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 24 18 2512

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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