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COOKING APPLIANCE WITH ROTATABLE GRIP HANDLE**Technical field**

5 The present invention generally relates to a cooking appliance for cooking food products, and in particular, an electric cooking appliance being able to operate according to a grill mode and a barbecue mode.

Prior art

10 It is known from the prior art, to use an electric cooking appliance enabling two different cooking modes, namely a first cooking mode called "grill" mode, and a second cooking mode called "barbecue" mode. Such an electric cooking appliance generally comprises:

- 15 - a first structure comprising a first cooking plate;
- a second structure comprising a second cooking plate, the second structure being mounted articulated with respect to the first structure about a pivot axis; and
- 20 - a user interface, which is provided on the first structure, and which is configured to enable a user to select at least one parameter for opening the electric cooking appliance.

25 The electric cooking appliance such as known in the prior art can alternatively occupy the "grill" mode in which a food is intended to be inserted and cooked between the first and second cooking plates, and the "barbecue" mode in which the first and second cooking plates are moved apart by 180° so as to be substantially in one same plane, said plane being generally horizontal when the cooking appliance rests on a horizontal surface.

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The cooking appliance such as described in the prior art, advantageously makes it possible to use one single household electrical appliance in order to respond to two distinct functions: that of a food grill, and that of a barbecue.

However, the integration of the user interface in the first structure, i.e. on the lower part of the electric cooking appliance, has the disadvantage of improvable ergonomics, due to the restricted physical access, as well as the limited visibility of the user on the user interface. Also, such an arrangement of the user interface prevents being able to collect cooking juices from a front face of the first structure.

The integration of the user interface on a more accessible zone, such as on the second structure, is made complex, due to the coexistence of the two use modes, which involves the second structure occupying two orientations offset at 180°, according to the use mode of the electric cooking appliance. Document US2007/119442A1 discloses a cooking appliance of the prior art.

Summary of the invention

The technical problem at the basis of the invention consists, in particular, of providing a cooking appliance enabling the cooking of food products in a grill configuration, but also in a barbecue configuration, while being ergonomic and simple to use, and while optionally enabling cooking juices to be collected from a front face of the first structure.

To this end, the present invention relates to a cooking appliance for cooking food products, the cooking appliance comprising:

- a first structure comprising a first cooking module comprising a first cooking plate,
- a second structure comprising a second cooking module comprising a second cooking plate, the second structure further comprising a grip handle which comprises a handling part configured to be handled by a user,
- a pivot connection connecting the second structure to the first structure and configured to enable a pivoting of the second structure with respect to the first structure about a pivot axis and between a closing position, in which the first cooking plate and the second cooking plate have a minimum spacing, and a maximum opening position, in which the first cooking plate and the second cooking plate have a maximum spacing when the cooking appliance rests on a support surface,
- a user interface disposed on the handling part, and

- a control unit configured to control the operation of the cooking appliance,

5 the cooking appliance having a first use mode, called grill mode, in which a food is intended to be inserted between the first and second cooking plates, and a second use mode, called barbecue mode, in which each of the first and second cooking plates is capable of supporting and cooking a respective food,

10 characterised in that the handling part, which carries the user interface, is movable with respect to the second cooking module between at least one first use position which is dedicated to the first use mode, and in which the user interface is accessible for a user when the cooking appliance is in the first use mode, and a second use position which is dedicated to the second use mode, and in which the user interface is accessible for a user
15 when the cooking appliance is in the second use mode.

The cooking appliance can further have one or more of the following features, taken individually or in combination.

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According to an embodiment of the invention, the second structure occupies the maximum opening position, when the cooking appliance is in the second use mode.

25 According to an embodiment of the invention, the cooking appliance is configured, such that the first cooking plate and the second cooking plate define a first tilt angle of between 150 and 200°, advantageously between 170 and 190°, and for example, around 180°, when the second structure occupies the maximum opening position.

30 According to an embodiment of the invention, the handling part is elongated and extends about an extension axis which is substantially parallel to the pivot axis.

According to an embodiment of the invention, the pivot axis is substantially horizontal when the cooking appliance rests on a horizontal surface.

According to an embodiment of the invention, the handling part comprises a front provided with a main surface, which is substantially flat and on which the user interface is provided.

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According to an embodiment of the invention, the cooking appliance is configured, such that the main surface is inclined by a tilt angle of between 30° and 60°, and advantageously between 40° and 50°, with respect to a vertical plane, when the cooking appliance rests on a horizontal surface, when the second structure is in the closing position, and when the handling part is in the first use position.

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According to an embodiment of the invention, the cooking appliance is configured, such that the main surface is inclined by a tilt angle of between 30° and 60°, and advantageously between 40° and 50°, with respect to a vertical plane, when the cooking appliance rests on a horizontal surface, when the second structure is in the maximum opening position, and when the handling part is in the second use position.

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According to an embodiment of the invention, the handling part is configured to extend substantially horizontally when the cooking appliance rests on a horizontal surface.

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According to an embodiment of the invention, the handling part delimits an internal housing in which an electronic board associated with the user interface is housed.

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According to an embodiment of the invention, the handling part comprises a casing to which the front is fixed, the casing and the front delimiting the internal housing.

According to an embodiment of the invention, the handling part is movably, rotatably mounted about an axis of rotation.

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According to an embodiment of the invention, the first use position and the second use position are angularly offset against one another by around 90°.

According to an embodiment of the invention, the axis of rotation is substantially parallel to the pivot axis.

5 According to an embodiment of the invention, the second structure comprises at least one connecting arm connected to the pivot connection, the handling part being supported by the at least one connecting arm and being movably, rotatably mounted with respect to the at least one connecting arm and about the axis of rotation.

10 According to an embodiment of the invention, the second structure comprises two connecting arms connected to the pivot connection and configured to extend laterally on either side of the second cooking module, the handling part being supported by the two connecting arms and being movably, rotatably mounted with respect to the two connecting arms and about the axis of rotation.

15 According to an embodiment of the invention, the grip handle comprises the two connecting arms and has a general U-shape.

20 According to an embodiment of the invention, the at least one connecting arm comprises a support portion which is mainly cylindrical and the handling part comprises a mounting portion provided with a receiving housing, the support portion being received in the receiving housing and being movably, rotatably mounted with respect to the mounting portion about the axis of rotation. Advantageously, the support portion is tubular and comprises a central passage configured to enable the passage of a power cable capable of powering the user interface, or more specifically, the electronic board
25 associated with the user interface.

According to an embodiment of the invention, the central passage is centred on the axis of rotation.

30 According to an embodiment of the invention, the central passage is also configured to enable the passage of at least one connecting cable connecting the user interface to the control unit.

According to an embodiment of the invention, the cooking appliance comprises at least one additional pivot connection, configured to connect the second cooking module to the two connecting arms, and to enable a rotation of the second cooking module with respect to the two connecting arms about an additional pivot axis.

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According to an embodiment of the invention, the additional pivot axis is substantially parallel to the pivot axis.

According to an embodiment of the invention, the cooking appliance further comprises an indexing system, configured such that each of the first and second use positions is stable.

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According to an embodiment of the invention, the indexing system comprises at least two indexing recesses, provided on one from among the handling part and a connecting arm, and at least one indexing member provided on the other from among the handling part and the connecting arm, the at least one indexing member being configured to engage with a respective indexing recess, when the handling part occupies respectively the first use position or the second use position.

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According to an embodiment of the invention, the indexing recesses are distributed about the axis of rotation.

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According to an embodiment of the invention, the at least one indexing member is formed by an indexing ball. Advantageously, the indexing ball is slidably mounted in a tubular receiving part, which is provided on the handling part or the connecting arm.

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According to an embodiment of the invention, the indexing system comprises at least one urging element, configured to urge the indexing ball to an indexing position.

According to an embodiment of the invention, the indexing system comprises several indexing members distributed about the axis of rotation.

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According to an embodiment of the invention, the user interface is configured to display at least one display parameter along a first orientation when the cooking appliance is in the first use mode and when the handling part is in the first use position, and to display the at least one display parameter along a second orientation which is different from the first orientation, and for example inverted, when the cooking appliance is in the second use mode and when the handling part is in the second use position.

According to an embodiment of the invention, the cooking appliance further comprises an electric contact configured to occupy a first state when the cooking appliance is in the first use mode, and configured to occupy a second state when the cooking appliance is in the second use mode.

According to an embodiment of the invention, the electric contact is located in the first structure, and for example, in a rear foot of the first structure.

According to an embodiment of the invention, the electric contact is located in the at least one connecting arm.

According to an embodiment of the invention the cooking appliance comprises an actuation device configured to move the electric contact in the first state when the second structure is pivoted, from the maximum opening position, in the direction of the closing position and reaches a first predetermined position, and to move the electric contact in the second state when the second structure is pivoted, from the closing position, in the direction of the maximum opening position and reaches a second predetermined position.

According to an embodiment of the invention, the first and second predetermined positions are identical or different.

According to an embodiment of the invention, the actuation device comprises an actuation member, such as an actuation finger, for example, which is movable between an actuation position in which the actuation member is configured to activate the electric

contact and a release position in which the actuation member is configured to deactivate the electric contact.

5 According to an embodiment of the invention, the actuation member is pivotingly secured to the at least one connecting arm, and is, for example, provided on the at least one connecting arm.

10 According to an embodiment of the invention, the actuation member is movable in translation.

According to an embodiment of the invention, the actuation member is rotatably movable.

15 According to an embodiment of the invention, the actuation member also comprises a cam configured to move the actuation member between the actuation position and the release position, when the second structure reaches the first predetermined position or the second predetermined position.

20 According to an embodiment of the invention, the user interface is configured to display the at least one display parameter along the first orientation when the electric contact occupies the first state, and is configured to display the at least one display parameter along the second orientation when the electric contact occupies the second state.

25 According to an embodiment of the invention, when the first structure rests on a horizontal surface and when the second structure is in the maximum opening position, then the grip handle is in contact with said horizontal surface.

30 According to an embodiment of the invention, the second structure is capable of occupying an intermediate opening position which is stable and located between the closing position and the maximum opening position.

According to an embodiment of the invention, the cooking appliance is configured, such that the first cooking plate and the second cooking plate define a second tilt angle of between 90 and 120°, when the second structure occupies the intermediate opening position.

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According to an embodiment of the invention, the first cooking plate is configured to be inclined towards the bottom and towards a front face of the first structure when the cooking appliance rests on the horizontal surface.

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According to an embodiment of the invention, the cooking appliance further comprises a cooking juice collecting tray configured to collect cooking juice coming from at least the first cooking plate, the cooking juice collecting tray being disposed at least partially under the first cooking module.

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According to an embodiment of the invention, the first cooking plate comprises a front discharge part which is provided on a front edge of the first cooking plate and which is located in vertical alignment with a front part of the cooking juice collecting tray, the front discharge part being configured to enable a flowing, through gravity, of the cooking juices coming from the first cooking plate into the cooking juice collecting tray.

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According to an embodiment of the invention, the cooking appliance also comprises a kinetic chain, mechanically connecting the handling part to the pivot connection, the kinetic chain being configured so as to move the handling part between the first and second use positions according to the position of the second structure with respect to the first structure.

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According to an embodiment of the invention, the kinetic chain is provided at least partially in the at least one connecting arm.

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According to an embodiment of the invention, the kinetic chain comprises at least one drive element, such as a belt, for example.

Brief description of the figures

The present invention will be well understood using the description below in reference to the accompanying figures, in which identical reference signs corresponding to structurally and/or operationally identical or similar elements.

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[Fig. 1] is a side, perspective view of a cooking appliance according to an embodiment of the invention and in a first use mode;

[Fig. 2] is a side, perspective view of the cooking appliance of figure 1 in a second use mode;

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[Fig. 3] is a perspective, exploded view of a grip handle of the cooking appliance of figure 1;

[Fig. 4] is a cross-sectional view of a handling part of the cooking appliance of figure 1;

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[Fig. 5] is a rear, perspective, partial view of the cooking appliance of figure 1 showing, more specifically, an electric contact occupying a first state;

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[Fig. 6] is a rear, perspective, partial view of the cooking appliance of figure 1 showing the electric contact in a second state;

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[Fig. 7] is a side view of the cooking appliance of figure 1 in the first use mode and according to a variant of the embodiment;

[Fig. 8] is a side view of the cooking appliance of figure 1 in the second use move and according to a variant of the embodiment.

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Detailed description

Figures 1 to 6 represent a cooking appliance 1 according to an embodiment of the invention. The cooking appliance 1 is configured for cooking food, such as meat, fish, vegetables or other food products.

5 The cooking appliance 1 comprises a first structure 2 which comprises a first cooking module 3 which itself comprises a first cooking plate 4 and a first heating element (not represented in the figures), configured to heat the first cooking plate 4, and a second structure 5 which comprises a second cooking module 6, which itself comprises a second cooking plate 7 and a second heating element (which cannot be seen in the figures),
10 configured to heat the second cooking plate 7. The first cooking plate 4 is configured to be inclined towards the bottom and towards a front face of the first structure 2, when the cooking appliance 1 rests on a horizontal surface.

 The cooking appliance 1 has a first use mode, called grill mode, in which a food is
15 intended to be inserted between the first and second cooking plates 4, 7, and a second use mode, called barbecue mode, in which each of the first and second cooking plates 4, 7 is capable of supporting and cooking a respective food.

 The second structure 5 further comprises a grip handle 8, configured to support the
20 second cooking module 6. The grip handle 8 has a U-shape, and comprises a handling part 9 configured to be handled by a user, as well as two lateral connecting arms 10, configured to extend laterally on either side of the second cooking module 6 and to support the handling part 9. The two connecting arms 10 are connected to a pivot connection 11.

25 The second structure 5 is connected to the first structure 2 by the pivot connection 11 which defines a pivot axis A. The pivot connection 11 is configured, such that the second structure 5 is mounted articulated with respect to the first structure 2 and is moveable between a closing position, in which the first cooking plate 4 and the second cooking plate 7 have a minimum spacing, and a maximum opening position, in which the
30 first cooking plate 4 and the second cooking plate 7 have a maximum spacing when the cooking appliance 1 rests on a support surface SA. The second structure 5 occupies the maximum opening position, when the cooking appliance 1 is in the second use mode.

The first cooking plate 4 and the second cooking plate 7 define a first tilt angle of between 150 and 200°, advantageously between 170 and 190°, and for example, around 180°, when the second structure 5 occupies the maximum opening position. Advantageously, when the first structure 2 rests on a horizontal surface and when the second structure 5 is in the maximum opening position, then the grip handle 8 is in contact with said horizontal surface.

Advantageously, the second structure 5 is configured to occupy:

10 - an intermediate opening position which is stable and located between the closing position and the maximum opening position and in which the first cooking plate 4 and the second cooking plate 7 define a second tilt angle of between 90 and 120°, and

15 - a plurality of cooking positions located between the closing position and the intermediate opening position and in each of which a food can be inserted between the first cooking plate 4 and the second cooking plate 7.

Advantageously, the first cooking plate 4 and the second cooking plate 7 are substantially parallel when the second structure 5 is in the maximum opening position, this in order to propose to the user, a user of the cooking appliance 1 which is similar to an electric barbecue.

For clear reasons of practicality, the first structure 2 also comprises feet 14 configured to rest on a flat support surface SA, such as a work surface.

According to the embodiment of the invention represented in the figures, the cooking appliance 1 comprises an additional pivot connection 15 which is configured to connect the second cooking module 6 to the connecting arms 10, and to enable a rotation of the second cooking module 6 with respect to the two connecting arms 10 about an additional pivot axis B which is substantially parallel to the pivot axis A. Advantageously, the additional pivot connection 15 makes it possible to position the second cooking module 6 along the desired orientation, and generally, substantially parallel to the first

cooking module 3, when the second cooking module 6 is in one of the cooking positions. In other words, the second cooking module 6 is pivotingly mounted with respect to the grip handle 8.

5 The cooking appliance 1 also comprises a control unit 17, configured to control the operation of the cooking appliance 1. The control unit 17 can, for example, be disposed in the grip handle 8 and, in particular, in the handling part 9, or also in the first structure 2.

10 According to the embodiment presented in figures 1 to 8, the handling part 9, which has, in particular, a user interface 18, is movably, rotatably mounted with respect to the two connecting arms 10 about an axis of rotation C and between at least one first use position and one second use position. The first use position is dedicated to the first use position and makes it possible for the user interface 18 to be accessible for a user when
15 the cooking appliance 1 is in the first use mode, and a second use position is dedicated to the second use mode, and makes it possible for the user interface 18 to be accessible for a user when the cooking appliance 1 is in the second use mode. The first use position and the second use position are advantageously angularly offset against one another by around 90°.

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 The handling part 9 is elongated and extends about the axis of rotation C which is substantially parallel to the pivot axis A; which is moreover, substantially horizontal when the cooking appliance 1 rests on a horizontal surface.

25 The handling part 9 also comprises a casing 19 and a front 20 fixed to the casing 19. The casing 19 and the front 20 delimit an internal housing 21, in which an electronic board 22 associated with the user interface 18 is housed. The front 20 is provided with a main surface 23, which is substantially flat and on which the user interface 18 is provided.

30 According to the embodiment of the invention represented in the figures, the cooking appliance 1 is configured, such that the main surface 23 is inclined by a tilt angle of between 30° and 60°, and advantageously between 40° and 50°, with respect to a vertical plane, when the cooking appliance 1 rests on a horizontal surface, when the

second structure 5 is in the closing position, and when the handling part 9 is in the first use position. Also, the cooking appliance 1 is configured, such that the main surface 23 is inclined by a tilt angle of between 30° and 60°, and advantageously between 40° and 50°, with respect to a vertical plane, when the cooking appliance 1 rests on a horizontal surface, when the second structure 5 is in the maximum opening position, and when the handling part 9 is in the second use position.

As shown more specifically in figures 3 and 4, the connecting arms 10 each comprise a support portion 24, which is mainly cylindrical, and the handling part 9 comprises two mounting portions 25, each provided with a receiving housing. The support portion 24 of each connecting arm 10 is received in the respective receiving housing and is movably, rotatably mounted with respect to the respective mounting portion 25 about the axis of rotation C. Advantageously, each support portion 24 is tubular and comprises a central passage 26, which is centred on the axis of rotation C. At least one of the central passages 26 is configured to enable the passage of a power cable capable of powering the user interface 18, or more specifically, the electronic board 22 associated with the user interface 18. The central passage 26 is also configured to enable the passage of at least one connecting cable connecting the electronic board 22, associated with the user interface 18, to the control unit 17.

As shown also in figures 3 and 4, the cooking appliance 1 further comprises an indexing system 27, configured such that each of the first and second use positions is stable. The indexing system 27 comprises, for example, two indexing recesses 28, provided on each of the two connecting arms 10, and an indexing member 29 provided on each of the end portions of the handling part 9. The indexing recesses 28 are distributed about the axis of rotation C. Each of the indexing members 29 is configured to engage with a respective indexing recess 28, when the handling part 9 occupies the first use position and with a respective indexing recess 28, when the handling part 9 occupies the second use position.

According to the embodiment represented in the figures, each of the indexing members 29 is formed by an indexing ball 30. Advantageously, each of the indexing balls 30 is slidingly mounted in a tubular receiving part 31, which is provided on the respective

end portion of the handling part 9. Also, the indexing system 27 comprises two urging elements (not represented in the figures), each associated with a respective indexing member 29. Each urging element is advantageously configured to urge the respective indexing ball 30 to an indexing position.

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As represented more specifically in figures 5 and 6, the cooking appliance 1 further comprises an electric contact 32 configured to occupy a first state when the cooking appliance 1 is in the first use mode, and configured to occupy a second state when the cooking appliance 1 is in the second use mode. According to the embodiment represented in figures 5 and 6, the electric contact 32 is located in the first structure 2, and for example, in a rear foot 14 of the first structure 2.

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As shown more specifically in figures 5 to 8, the cooking appliance 1 also comprises an actuation device 33, configured to move the electric contact 32 in the first state, when the second structure 5 is pivoted, from the maximum opening position, in the direction of the closing position and reaches a first predetermined position. The actuation device 33 is also configured to move the electric contact 32 in the second state, when the second structure 5 is pivoted, from the closing position, in the direction of the maximum opening position and reaches a second predetermined position.

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According to the embodiment represented in figures 5 and 6, the actuation device 33 comprises an actuation member 34, such as an actuation finger, which is configured to directly actuate the electric contact 32. The actuation member 34 is movably, rotatably mounted about the pivot axis A between an actuation position in which the actuation member 34 is configured to activate the electric contact 32 and a release position in which the actuation member 34 is configured to deactivate the electric contact 32. Advantageously, the actuation member 34 is pivotingly secured to one of the connecting arms 10. In the embodiment represented in figures 5 and 6, the first and second predetermined positions are identical, but could also be different according to other embodiments of the invention which are not represented.

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Figures 7 and 8 represent a variant of the embodiment of the invention, in which the electric contact 32 is located in one of the connecting arms 10.

According to such a variant of an embodiment, the actuation device 33 comprises an actuation member 34, such as an actuation finger, for example, which is movably mounted in translation between an actuation position in which the actuation member 34 is configured to activate the electric contact 32 and a release position in which the actuation member 34 is configured to deactivate the electric contact 32. The actuation member 34 is pivotally secured to one of the connecting arms 10, and is, for example, provided on said connecting arm 10. The actuation device 33 also comprises a cam 35 which is provided on the pivot connection 11, and which is static with respect to the first structure 2. The cam 35 is configured to move the actuation member 34 between the actuation position and the release position, when the second structure 5 reaches the first predetermined position or the second predetermined position.

According to the embodiment such as can be seen in figures 1 to 8, the user interface 18 is configured to display at least one display parameter along a first orientation when the cooking appliance 1 is in the first use mode and when the handling part 9 is in the first use position, and to display the at least one display parameter along a second orientation which is different from the first orientation, and for example inverted, when the cooking appliance 1 is in the second use mode and when the handling part 9 is in the second use position. Advantageously, the user interface 18 is configured to display the at least one display parameter along the first orientation when the electric contact 32 occupies the first state, and is configured to display the at least one display parameter along the second orientation when the electric contact 32 occupies the second state.

According to the embodiment such as can be seen in figures 1 to 8, and more specifically, which can be seen in figure 1, the cooking appliance 1 further comprises a cooking juice collecting tray 36. The cooking juice collecting tray 36 is configured to collect cooking juices coming from the first cooking plate 4, as well as from the second cooking plate 7. The cooking juice collecting tray 36 is partially disposed under the first cooking module 3. The first cooking plate 4 comprises a front discharge part 37, which is provided on a front edge of the first cooking plate 4, and which is located in vertical alignment with a front part of the cooking juice collecting tray 36. The front discharge part 37 is

configured to enable a flowing, through gravity, of the cooking juices coming from the first cooking plate 4 into the cooking juice collecting tray 36.

5 According to an embodiment of the invention which is not represented in the figures, the cooking appliance 1 could further comprise a kinetic chain, mechanically connecting the handling part 9 to the pivot connection 11 and being configured, so as to move the handling part 9 about the axis of rotation C according to the position of the second structure 5 with respect to the first structure 2. The kinetic chain could be provided at least partially in one of the connecting arms 10 and comprise at least one drive element, such as a belt, for example.

10 Naturally, the present invention is not at all limited to the embodiments described and illustrated, which have only been given as examples.

P a t e n t k r a v

1. Køkkenapparat (1) til tilberedning af fødevarer, hvor køkkenapparatet (1) omfatter:

5 - en første struktur (2), der omfatter et første kogemodul (3) med en første kogeplade (4),

- en anden struktur (5), der omfatter et andet kogemodul (6) med en anden kogeplade (7), hvor den anden struktur (5) yderligere omfatter et håndtag (8), som omfatter en håndteringsdel (9), der er konfigureret til at blive håndteret af
10 en bruger,

- en drejeforbindelse (11), der forbinder den anden struktur (5) med den første struktur (2) og er konfigureret til at muliggøre en drejning af den anden struktur (5) i forhold til den første struktur (2) omkring en drejeakse (A) og mellem en lukkeposition, hvor den første kogeplade (4) og den anden kogeplade (7) har
15 en minimal indbyrdes afstand, og en maksimal åbningsposition, hvor den første kogeplade (4) og den anden kogeplade (7) har en maksimal indbyrdes afstand, når køkkenapparatet (1) hviler på en støtteflade (SA),

- en brugergrænseflade (18), der er anbragt på håndteringsdelen (9), og

- en styreenhed, der er konfigureret til at styre driften af køkkenapparatet (1),
20 hvor køkkenapparatet (1) har en første brugstilstand, kaldet grill-tilstand, hvor en fødevare er beregnet til at blive indsat mellem den første og anden kogeplade, og en anden brugstilstand, kaldet barbecue-tilstand, hvor enhver af den første og anden kogeplade er i stand til at understøtte og tilberede en respektive fødevare,

25 **kendetegnet ved, at** håndteringsdelen (9), som bærer brugergrænsefladen (18), er bevægelig i forhold til det andet kogemodul (6) mellem mindst én første brugsposition, som er dedikeret til den første brugstilstand, og hvor brugergrænsefladen (18) er tilgængelig for en bruger, når køkkenapparatet (1) er i den første brugstilstand, og en anden brugsposition, som er dedikeret til den
30 anden brugstilstand, og hvor brugergrænsefladen (18) er tilgængelig for en bruger, når køkkenapparatet (1) er i den anden brugstilstand.

2. Køkkenapparat (1) ifølge krav 1, hvor håndteringsdelen (9) er bevægeligt monteret omkring en rotationsakse (C).

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3. Køkkenapparat (1) ifølge det foregående krav, hvor rotationsaksen (C) af håndteringsdelen (9) er i det væsentlige parallel med drejeaksen (A).

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4. Køkkenapparat (1) ifølge et hvilket som helst af de foregående krav, som yderligere omfatter et indekseringssystem (27), der er konfigureret således, at enhver af den første og anden brugsgposition af håndteringsdelen (9) er stabil.

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5. Køkkenapparat (1) ifølge et hvilket som helst af de foregående krav, hvor brugergrænsefladen (18) er konfigureret til at vise mindst én visningsparameter langs en første orientering, når køkkenapparatet (1) er i den første brugstilstand, og når håndteringsdelen (9) er i den første brugsgposition, og til at vise den mindst ene visningsparameter langs en anden orientering, der er forskellig fra den første orientering, og for eksempel inverteret, når køkkenapparatet (1) er i den anden brugstilstand, og når håndteringsdelen (9) er i den anden brugsgposition.

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6. Køkkenapparat (1) ifølge et hvilket som helst af de foregående krav, som yderligere omfatter en elektrisk kontakt (32), der er konfigureret til at indtage en første tilstand, når køkkenapparatet (1) er i den første brugstilstand, og konfigureret til at indtage en anden tilstand, når køkkenapparatet (1) er i den anden brugstilstand.

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7. Køkkenapparat (1) ifølge det foregående krav, som omfatter en aktiveringsanordning (33), der er konfigureret til at bevæge den elektriske kontakt (32) i den første tilstand, når den anden struktur (5) drejes fra den maksimale åb-

ningsposition i retning af lukkepositionen og når en første forudbestemt position, og til at bevæge den elektriske kontakt (32) i den anden tilstand, når den anden struktur (5) drejes fra den lukkede position i retning af den maksimale åbningsposition og når en anden forudbestemt position.

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8. Køkkenapparat (1) ifølge krav 7, hvor aktiveringsanordningen (33) omfatter et aktiveringselement (34), som er bevægeligt mellem en aktiveringsposition, hvor aktiveringselementet (34) er konfigureret til at aktivere den elektriske kontakt (32), og en udløserposition, hvor aktiveringselementet (34) er konfigureret til at deaktivere den elektriske kontakt (32).

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9. Køkkenapparat (1) ifølge et hvilket som helst af kravene 6 til 8 kombineret med krav 5, hvor brugergrænsefladen (18) er konfigureret til at vise mindst én visningsparameter langs den første orientering, når den elektriske kontakt (32) indtager den første tilstand, og er konfigureret til at vise mindst én visningsparameter langs den anden orientering, når den elektriske kontakt (32) indtager den anden tilstand.

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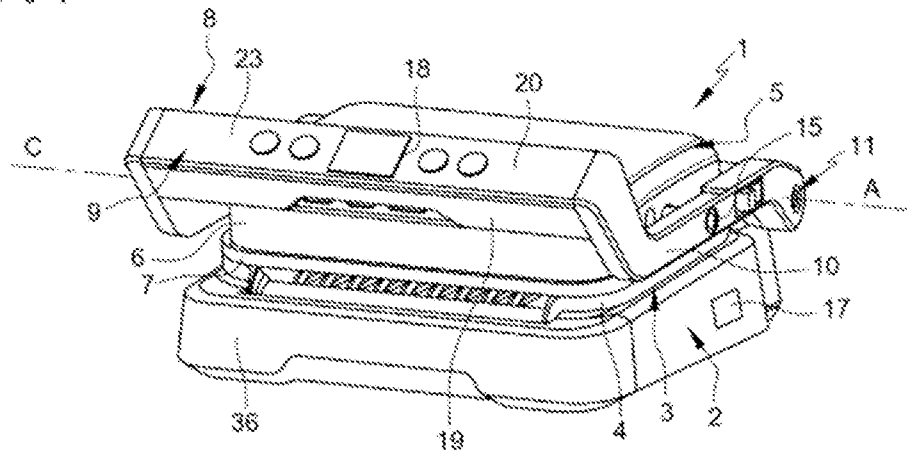
10. Køkkenapparat (1) ifølge et hvilket som helst af de foregående krav, hvor håndtaget (8) er i kontakt med den vandrette overflade, når den første struktur (2) hviler på en vandret overflade, og når den anden struktur (5) er i den maksimale åbningsposition.

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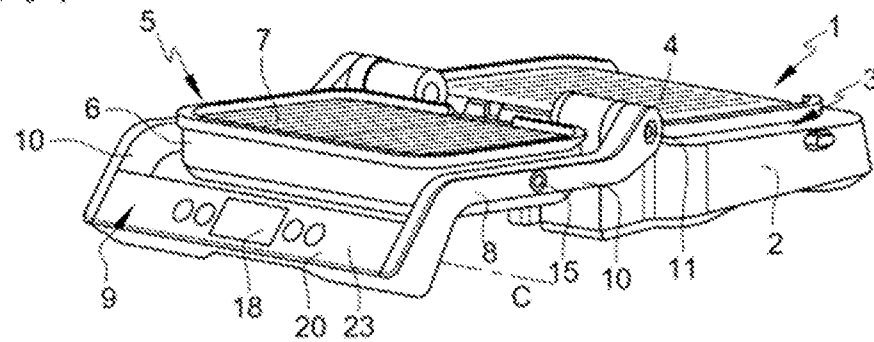
11. Køkkenapparat (1) ifølge et hvilket som helst af de foregående krav, hvor den anden struktur (5) er i stand til at indtage en mellemliggende åbningsposition, som er stabil og befinder sig mellem lukkepositionen og den maksimale åbningsposition.

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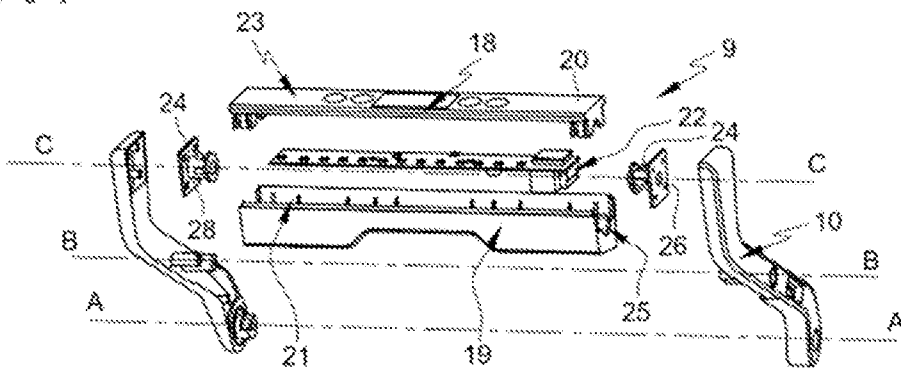
[Fig 1]



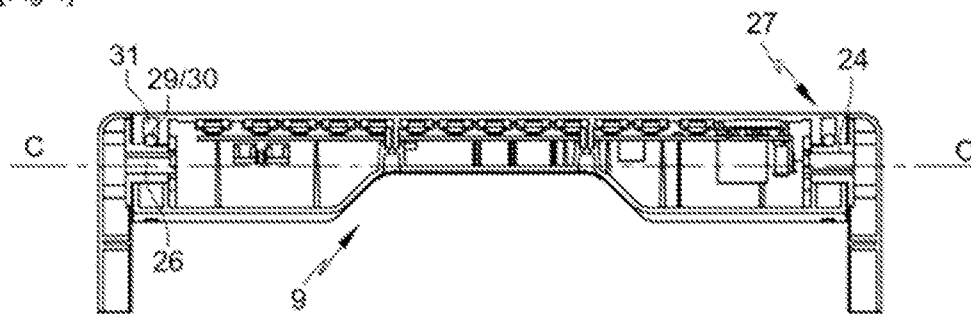
[Fig 2]



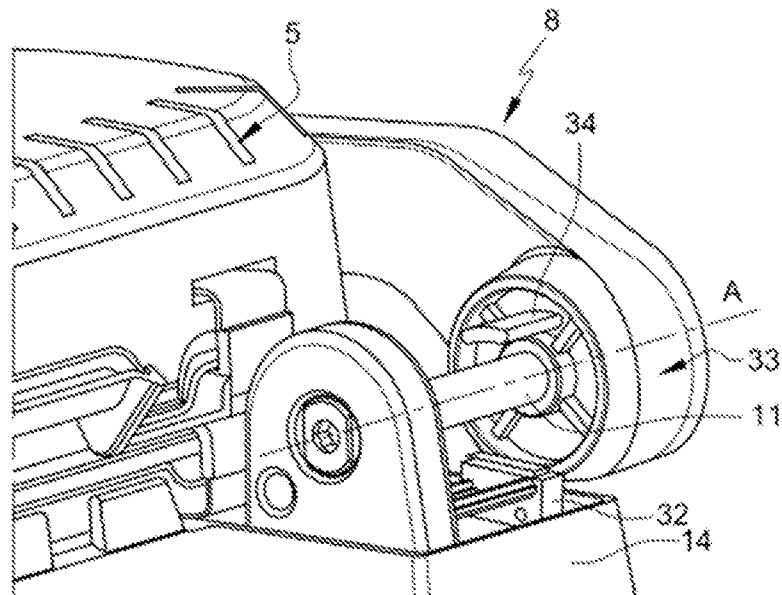
[Fig 3]



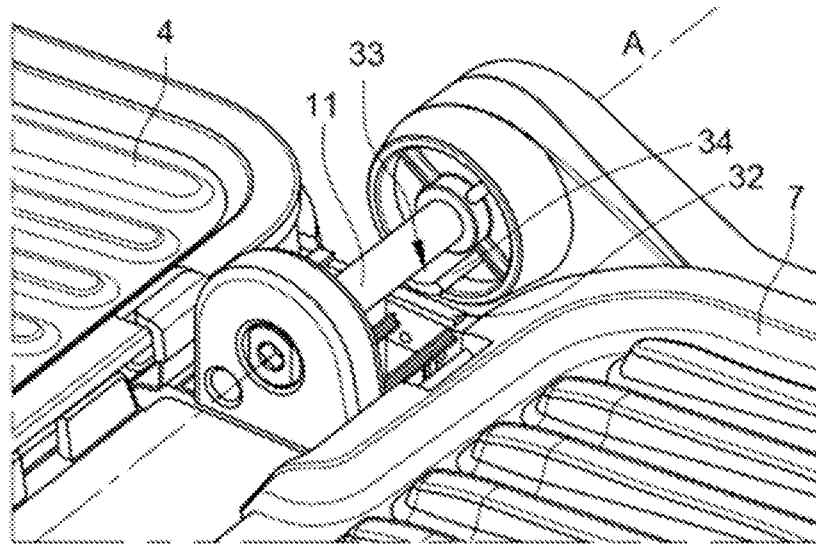
[Fig 4]



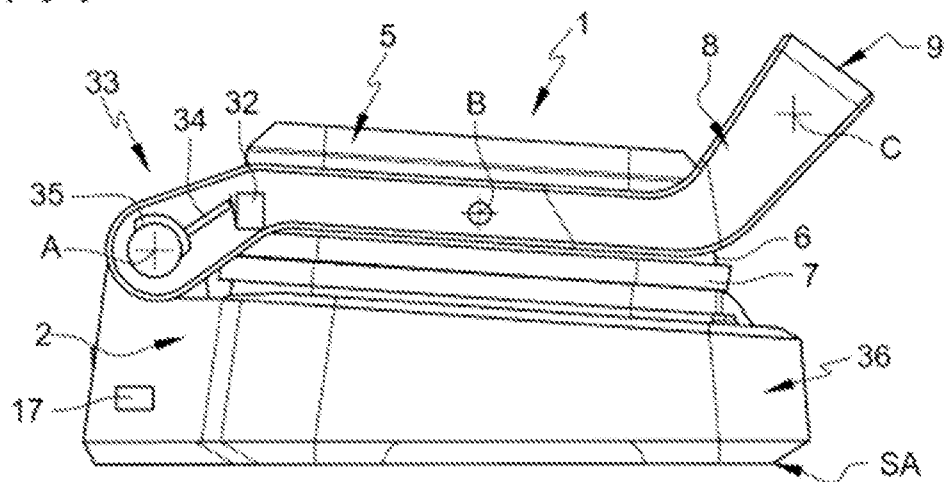
[Fig 5]



[Fig 6]



[Fig 7]



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