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(54) **A COOKING DEVICE WITH AN INFRARED HEATING ASSEMBLY AND AN OPERATION METHOD THEREOF**

(57) The cooking device according to the present invention comprises at least one inner body (B) having at least one base (B1), at least one upper wall (B2) located opposite to the base (B1), at least two side walls (B3) located between the upper wall (B2) and the base (B1), wherein at least one cooking compartment (B4) is formed between the base (B1) and said walls and the inner body (B) comprises at least one placement opening for access into said cooking compartment (B4); at least one infrared heating element (1) which is located to extend between said side walls (B3); and at least one guiding element (2)

located to extend along the longitudinal axis of the heating element (1) and to at least partially cover the length of the heating element (1), partially surrounding the heating element (1), having at least one opening that extends along the longitudinal axis between the opposite ends thereof, wherein the guiding element (2) is configured to enable the ray, which is emitted from the heating element (1) when the heating element (1) is energized, to pass through said opening to reach the cooking compartment (B4), and is rotatable around the longitudinal axis for changing the position where the opening is provided.

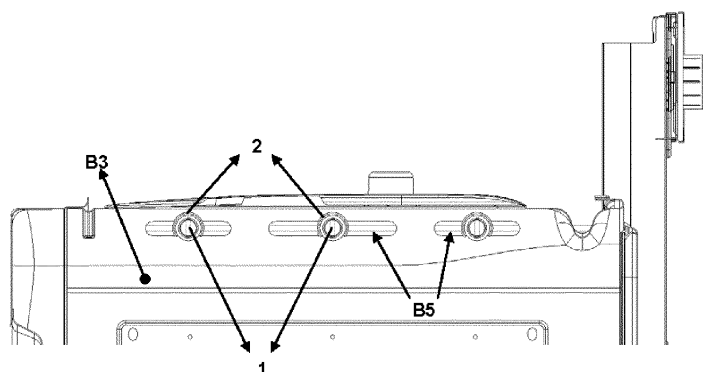


Figure – 3



EUROPEAN SEARCH REPORT

 Application Number
EP 20 20 2782

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 15 June 2021	Examiner Adant, Vincent
CATEGORY OF CITED DOCUMENTS 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	

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 15 June 2021	Examiner Adant, Vincent
CATEGORY OF CITED DOCUMENTS 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			

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Application Number

EP 20 20 2782

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☒ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

1-4, 7-15

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 20 20 2782

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 2-4(completely); 1(partially)

Cooking device with movable heating elements

2. claims: 5(completely); 1(partially)

Cooking device with reflecting plate

3. claims: 6(completely); 1(partially)

Cooking device with food position sensor

4. claims: 7-15(completely); 1(partially)

Cooking device with cooking state sensor

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

EP 20 20 2782

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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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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82