AIR FRYER

FIELD

The present application relates to the field of electric appliance manufacturing technologies, and more particularly to an air fryer.

BACKGROUND

The air fryers rapidly crisp food surface by using hot air, and lock moisture inside the food, to achieve cooking effect of crispy outside and tender inside. The cooking taste of deep frying is realized without adding oil.

In the air fryers of the related art, a fan is arranged above a frying basket to circulate hot air through the entire cooking space. However, lots of space in an up-and-down direction needs to be occupied, which cannot meet some users' requirements for the kitchen space.

To this end, some air fryers employ the frying basket and the fan arranged in a front-and-rear direction. However, the hot air is difficult to evenly circulate in the frying basket, affecting the cooking effect.

SUMMARY

Embodiments of the present application seek to solve at least one of the problems existing in the related art. To this end, the present application proposes an air fryer which has advantages of even heating, good cooking effect, etc.

In order to achieve the above purpose, embodiments of the present application propose an air fryer, which includes a housing defining a cooking cavity and a heating cavity, the heating cavity being located behind the cooking cavity; a heating device arranged in the housing to heat the cooking cavity; and a food container configured to receive food to be fried, the food container being adapted to be placed in the cooking cavity.

The air fryer according to embodiments of the present application has the advantages of even heating, good cooking effect, etc.

Additionally, the air fryer according to embodiments of the present application may

CLAIMS

What is claimed is:

1. An air fryer, comprising:

a housing defining a cooking cavity and a heating cavity, the heating cavity being located behind the cooking cavity;

a heating device arranged in the housing to heat the cooking cavity; and

a food container configured to receive food to be fried, the food container being adapted to be placed in the cooking cavity.

2. The air fryer according to claim 1, wherein the heating cavity has a lower portion provided with a heating-cavity air outlet, the food container has a rear end provided with an air guiding edge, and when the food container is placed in the cooking cavity, the air guiding edge is located below the heating-cavity air outlet to guide airflow from the heating-cavity air outlet to the food container.

3. The air fryer according to claim 2, wherein the air guiding edge obliquely extends rearwards and upwards in a front-and-rear direction.

4. The air fryer according to claim 2 or 3, wherein a ratio of a length of the air guiding edge in a front-and-rear direction to a height of the air guiding edge in an up-and-down direction is 1~5, 2~4, or 2.5~3.5.

5. The air fryer according to any one of claims 2 to 4, wherein the air guiding edge extends rearwards and upwards in an arc shape, and a minimum angle between a tangent line at a rear end of the air guiding edge and a horizontal direction is 45~90 degrees, 50~70 degrees, or 60 degrees.

6. The air fryer according to any one of claims 1 to 5, wherein the heating device comprises a heating member and a hot air fan, and the heating cavity has a front surface provided with a heating-cavity air inlet.

7. The air fryer according to any one of claims 2 to 6, wherein the heating-cavity air outlet comprises a plurality of sub air outlets spaced apart in a left-and-right direction.

8. The air fryer according to claim 7, wherein each sub air outlet is provided with an air blocking piece extending upwards.

9. The air fryer according to claim 8, wherein the air blocking piece is located at a left edge or a right edge of each sub air outlet.

10. The air fryer according to claim 9, wherein the heating device comprises a heating member and a hot air fan, the hot air fan rotates clockwise when viewed from rear to front, the air

blocking piece is located at the left edge of each sub air outlet; or the hot air fan rotates clockwise when viewed from front to rear, the air blocking piece is located at the right edge of each sub air outlet.

11. The air fryer according to any one of claims 8 to 10, wherein a length of each air blocking piece in a vertical direction increases gradually from inside to outside.

12. The air fryer according to any one of claims 1 to 14, wherein the heating device comprises a heating member and a hot air fan, and the heating cavity comprise:

a vertical portion, the heating-cavity air outlet being defined in a lower surface of the vertical portion; and

a circular portion located above the vertical portion and coupled to the vertical portion, the heating member and the hot air fan being arranged in the circular portion.

13. The air fryer according to claim 12, wherein a central axis of the hot air fan and a central axis of the circular portion are misaligned.

14. The air fryer according to claim 12 or 13, wherein the hot air fan rotates clockwise when viewed from rear to front, and in a left-and-right direction a central axis of the hot air fan is located at a left side of a central axis of the circular portion; or the hot air fan rotates clockwise when viewed from front to rear, and in the left-and-right direction, the central axis of the hot air fan is located at a right side of the circular portion.

15. The air fryer according to any one of claims 12 to 14, wherein in an up-and-down direction, a central axis of the hot air fan is located below a central axis of the circular portion.

16. The air fryer according to any one of claims 12 to 19, wherein a distance between an outer circumferential edge of the hot air fan and an inner circumferential face of the circular portion increases gradually in a rotation direction of the hot air fan.

17. The air fryer according to any one of claims 12 to 16, wherein the heating member is coiled in the circular portion.

18. The air fryer according to any one of claims 1 to 17, wherein the heating device comprises a heating member and a hot air fan, the heating cavity has a front surface provided with a heating-cavity air inlet, the heating-cavity air inlet comprises a plurality of air holes, and at least a part of the plurality of air holes is opposite to the heating member in a front-and-rear direction.

19. The air fryer according to any one of claims 1 to 18, wherein the food container fits with the cooking cavity in a pull-push manner between a closed position where the food container closes the cooking cavity and a separation position where the food container is separated from the cooking cavity.

20. The air fryer according to any one of claims 1 to 19, wherein the food container comprises:

an outer container, the outer container fitting with the cooking cavity in a pull-push manner between a closed position where the outer container closes the cooking cavity and a separation position where the outer container is separated from the cooking cavity; and

an inner container detachably fitted in the outer container, and the inner container having a bottom wall provided with a container air inlet and a rear wall provided with a container air outlet.