Claims

[Claim 1]

A cooking device comprising: a heating chamber(11) in which food is put and heated; a heating means(13) heating the food; a steam generating container(A) including a water evaporation chamber(5); a heat source(2a,2b) heating the steam generating container(A);and a water supply device(16) supplying water to the water evaporation chamber(5), characterized by comprising

a leading opening(31) to lead steam from the water evaporation chamber(5);

an ejection opening(26) ejecting into the heating chamber(11) the steam led from the leading opening(31);and

a buffer chamber(6) connecting through the leading opening(31) and the ejection opening(26) is provided between the water evaporation chamber(5) and the heating chamber(11).

[Claim 2]

The cooking device according to claim 1,characterized in that

the buffer chamber(6) is located adjacent to the heating chamber(11).

[Claim 3]

The cooking device according to claim 1 or 2, characterized in that

the buffer chamber(6) and the water evaporation chamber(5) are adjacent to each other.

[Claim 4]

The cooking device according to any one of claims 1 to 3, characterized in that

the buffer chamber(6) is adjacent to both the water evaporation chamber(5) and the heating chamber(11).

[Claim 5]

The cooking device according to any one of claims 1 to 3, characterised in that

the water evaporation chamber(5) is located adjacent to the heating chamber(11).

[Claim 6]

The cooking device according to any one of claims 1 to 5, characterized in that

the heat source(2a,2b) is located between the buffer chamber(6) and the water evaporation chamber(5).

[Claim 7]

The cooking device according to any one of claims 1 to 6, characterized in that

a plurality of heat sources(2a,2b) are vertically aligned in a wall(3a) of the buffer chamber(6).

[Claim 8]

The cooking device according to any one of claims 1 to 7, characterizde in that

the leading opening(31) is provided in a wall(3a) of the buffer chamber(6), and

the leading opening(31) and the ejection opening(26) are separated from each other in a direction intersecting a direction of steam ejection.

[Claim 9]

The cooking device according to claim 8, characterized in that

the ejection opening(26) is located lower than the leading opening(31).

[Claim 10]

The cooking device according to claim 8 or 9, characterized in that

a guide wall(37) guiding the steam from the leading opening(31) to the ejection opening(26) is located in the buffer chamber(6).

[Claim 11]

The cooking device according to claim 1 to 10, characterized in that

a position in which the water supply device(16) supplies water and the leading opening(31) are separated in a horizontal direction, and

a bottom of the water evaporation chamber(5) is inclined in such a manner that the leading opening(31) side is located higher and the position side is located lower.

[Claim 12]

A cooking device including: a heating chamber(11) in which food is put and heated; a steam generating container(A) supplying

steam to the heating chamber(11); and a water supply device(16) supplying water to the steam generating container(A), characterizde in that

the steam generating container(A) includes an opening, and the opening is closed by a wall(11a) of the heating chamber(11).

[Claim 13]

The cooking device according to claim 12, characterized in that,

the steam generating container(A) includes a buffer chamber(6) located adjacent to the wall (11a) of the heating chamber(11) and storing the steam, wherein

the buffer chamber(6) includes:

a wall(3a) located opposite to the wall(11a) of the heating chamber(11); and

an annular wall(34) protruding from the wall(3a) toward the wall(11a) of the heating chamber(11),

wherein

steam is ejected from the buffer chamber(6) to the heating chamber(11), and

inside of the annular wall(34) is the opening.

[Claim14]

The cooking device according to claim 13, characterized in that,

a sealing member(38) preventing leakage of the steam is provided along the entire circumference of a protruding end of the

annular wall(34) ,and

the sealing member(38) is in contact with the wall(11a) of the heating chamber(11).

[Claim 15]

The cooking device according to claim 14, characterized in that,

the sealing member(38) includes a close contact part(38a) protruding toward an inner side of the annular wall(34) and located in close contact with the wall(11a) of the heating chamber(11).

Claims

[Claim 1]

A cooking device comprising: a heating chamber in which food is put and heated; a steam generator configured to supply steam to the heating chamber; and a water supply means for supplying water to the steam generator, wherein

the steam generator comprises:

a water evaporation chamber configured to evaporate the water supplied by the water supply means; and

a steam passage that is located adjacent to the water evaporation chamber, stores the steam generated in the water evaporation chamber, and flows the steam, wherein

the steam is ejected from the stream passage to the heating chamber,

a single leading opening to lead the steam generated in the water evaporation chamber to the steam passage is provided in an upper part of the water evaporation chamber,

the steam passage is bent more than once, comprises a first portion extending in a horizontal direction and a second portion linked to an end part of the first portion and extending in a downward direction from the end part, and

the steam led from the leading opening passes the first portion, then passes the second portion, and is ejected into the heating chamber.

[Claim 2]

The cooking device according to claim 1, characterized in that the steam passage is located between the water evaporation chamber and the heating chamber.

[Claim 3]

The cooking device according to claim 1 or 2, characterized in that

a heat source configured to generate heat supplied to both of the steam passage and the water evaporation chamber is located.