Title (en)

COMPOSITE COOKING OVEN

Publication

EP 0362022 B1 19910925 (FR)

Application

EP 89402565 A 19890919

Priority

FR 8812759 A 19880929

Abstract (en)

[origin: JPH02162683A] PURPOSE: To carry out mixing efficiently in a whole hollow inside by dividing microwaves coming out of a waveguide into two and changing the property of wave packet all the time by transmitting one packet of the microwaves directly to the hollow inside through a route and making the rest of the microwaves against impellers of a turbine collided. CONSTITUTION: A diaphragm aperture 34 is installed in the center part of a muffle, preferably near an arch 6. Consequently, at the time of entering a hollow, microwave packet coming out of a waveguide 33 is divided into two secondary packets during the time when the microwave packet passes a space 21. Passing a route aperture 35 positioned on the opposite to a distributing thin plate 20, one packet is directly transmitted to the hollow part. On the other hand, entering in the space 21, the other packet comes into collision against impellers 27 of a turbine 26. Attributed to the rotation and operation of the turbine, the relative direction of the impellers is continuously changed. As a result, the property of the wave packet is constantly changed and mixing process is efficiently carried out not only in the space 21 but also in the whole body of the hollow part 5.

IPC 1-7

F24C 15/32; H05B 6/80

IPC 8 full level

H05B 11/00 (2006.01); **F24C 15/32** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP KR US)

F24C 15/325 (2013.01 - EP US); **H05B 6/6485** (2013.01 - EP US); **H05B 11/00** (2013.01 - KR)

Cited by

EP2110612A3; EP1513375A3

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EP 0362022 A1 19900404; **EP 0362022 B1 19910925**; AT E67837 T1 19911015; DE 362022 T1 19901108; DE 68900287 D1 19911031; ES 2016232 A4 19901101; ES 2016232 T3 19920416; FR 2637053 A1 19900330; FR 2637053 B1 19901116; GR 3003321 T3 19930217; JP H02162683 A 19900622; KR 900005123 A 19900413; US 4940869 A 19900710

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