

Title (en)

CONTROL DEVICE FOR THE HEATING, THE THAWING AND/OR THE COOKING OF FOOD BY MICROWAVES

Publication

**EP 0321768 A3 19910502 (DE)**

Application

**EP 88120279 A 19881205**

Priority

DE 3743921 A 19871223

Abstract (en)

[origin: JPH01195690A] PURPOSE: To satisfactorily detect the heated state of food by controlling an output control device for a microwave generator via a sensor detecting the microwave energy potential. CONSTITUTION: A sensor detecting the microwave energy potential is arranged between a microwave generator MG and the food GG fed with microwave energy in a chamber GR filled with the microwave energy. An output control device LS for the microwave generator MG is controlled via the sensor. The situation that the heated food GG is changed in relation to the microwave absorbing capability is detected by the sensor. The relation between the incident microwave energy and the absorbed microwave energy can be evaluated as the absolute value of the microwave energy space potential, or the change of the potential in time can be evaluated.

IPC 1-7

**H05B 6/66**; **H05B 6/80**

IPC 8 full level

**H05B 6/68** (2006.01); **F24C 7/02** (2006.01); **H05B 6/66** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP KR US)

**H05B 6/64** (2013.01 - KR); **H05B 6/687** (2013.01 - EP US); **H05B 6/688** (2013.01 - EP US)

Citation (search report)

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- [X] US 4210795 A 19800701 - LENTZ RONALD R [US]
- [Y] US 3662140 A 19720509 - JONES WILLIAM C, et al
- [Y] GB 2117925 A 19831019 - HITACHI HEATING APPL
- [A] US 2498720 A 19500228 - WILD NORMAN R, et al
- [A] DE 1466007 A1 19690327 - KRUPP GMBH
- [A] GB 894860 A 19620426 - ASS ELECT IND

Designated contracting state (EPC)

AT DE ES FR GB GR IT

DOCDB simple family (publication)

**EP 0321768 A2 19890628**; **EP 0321768 A3 19910502**; DE 3743921 A1 19890713; DE 3743921 C2 19921217; JP H01195690 A 19890807; KR 890011485 A 19890814; US 4882462 A 19891121; YU 226388 A 19901231

DOCDB simple family (application)

**EP 88120279 A 19881205**; DE 3743921 A 19871223; JP 31837388 A 19881216; KR 880015118 A 19881117; US 28869688 A 19881222; YU 226388 A 19881214