

Title (en)
HIGH FREQUENCY HEATING DEVICE.

Title (de)
HOCHFREQUENZ-HEIZVORRICHTUNG.

Title (fr)
DISPOSITIF DE CHAUFFAGE A HAUTE FREQUENCE.

Publication
EP 0093172 A4 19840424 (EN)

Application
EP 82901428 A 19820513

Priority
JP 17883381 A 19811106

Abstract (en)
[origin: WO8301674A1] A high frequency heating device which automates cooking in combination with a microcomputer and various sensors. A heating element (15) is provided in the vicinity of a suction port (16) of a heater housing (12), and a temperature sensor (20) and a moisture sensor (19) are provided in the vicinity of an exhaust port (17). The heating element (15) is controlled in response to temperature signals from the sensor (20), thereby maintaining the exhaust temperature constant, and vapor from food is detected by the sensor (19) placed in the vapor. The detections are hardly affected by the influence of the conditions in a kitchen, and this heating device can thus cook more types of foods automatically than the conventional type.

IPC 1-7
F24C 7/08; **H05B 6/68**

IPC 8 full level
F24C 7/02 (2006.01); **H05B 6/68** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP)
H05B 6/642 (2013.01); **H05B 6/645** (2013.01); **H05B 6/6458** (2013.01); **H05B 6/6482** (2013.01)

Citation (search report)
• [A] EP 0000957 A1 19790307 - LITTON SYSTEMS INC [US]
• [A] EP 0031156 A1 19810701 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [A] FR 2260073 A1 19750829 - DCA FOOD IND [US]
• [A] FR 2451145 A1 19801003 - SHARP KK [JP]
• [A] FR 2335799 A1 19770715 - ELEKTROMASCHINEN AG [CH]

Cited by
EP0198430A3

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
WO 8301674 A1 19830511; EP 0093172 A1 19831109; EP 0093172 A4 19840424; JP S5880427 A 19830514

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JP 8200164 W 19820513; EP 82901428 A 19820513; JP 17883381 A 19811106