

Title (en)

Microwave oven with induction heating function

Title (de)

Mikrowellenherd mit zusätzlicher Induktionsheizung

Title (fr)

Four à micro-ondes avec chauffage par induction supplémentaire

Publication

EP 0711099 A3 19970108 (EN)

Application

EP 95402456 A 19951103

Priority

- KR 19940029062 A 19941107
- KR 19940029162 A 19941108

Abstract (en)

[origin: EP0711099A2] An improved microwave oven with an induction heating function capable of selectively using a microwave oven or an induction heat function without any interruptions from a microwave oven heating circuit and an induction heating circuit when cooking food, which includes a microcomputer for generating a cooking mode selection control signal and a pulse width modulation signal in accordance with a cooking mode selection key input and for controlling a selection operation of the microwave heating circuit and the induction heating circuit; a relay drive circuit for generating a first drive signal and a second drive signal in accordance with a cooking mode selection control signal outputted from the microcomputer and for outputting a certain drive signal; and first and second relays, selectively switched by the first drive signal or the second drive signal outputted from the relay drive circuit, for supplying an electric voltage of a power supply circuit to the microwave heating circuit and the induction heating circuit. <IMAGE>

IPC 1-7

H05B 6/80; **H05B 6/12**

IPC 8 full level

H05B 6/06 (2006.01); **H05B 6/68** (2006.01)

CPC (source: EP)

H05B 6/062 (2013.01); **H05B 6/687** (2013.01)

Citation (search report)

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- [A] EP 0318645 A1 19890607 - TOSHIBA KK [JP]
- [A] FR 2288442 A1 19760514 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 132 (E - 736) 31 March 1989 (1989-03-31)
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CN103763803A; WO2019106488A1; WO2024099254A1

Designated contracting state (EPC)

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EP 0711099 A2 19960508; **EP 0711099 A3 19970108**; BR 9505113 A 19970909; CN 1092778 C 20021016; CN 1128337 A 19960807

DOCDB simple family (application)

EP 95402456 A 19951103; BR 9505113 A 19951107; CN 95118285 A 19951107