

Title (en)

Power control device for a microwave oven.

Title (de)

Leistungssteuerungsanordnung für einen Mikrowellenofen.

Title (fr)

Dispositif de commande de la puissance d'un four à micro-ondes.

Publication

EP 0397020 B1 19950301 (FR)

Application

EP 90108314 A 19900502

Priority

FR 8906300 A 19890512

Abstract (en)

[origin: JPH03129210A] PURPOSE: To ensure a controller with a simple robust structure, by forming many toothed peripheral passages with different arc lengths on a cylinder capable of being axially slided with a selector means of a cooking mode, and engaging the passage with a reciprocating actuator engaging with a switch, and further setting the position where the peripheral passages and the actuator are engaged with each other to be a function of the position of the cylinder. CONSTITUTION: Toothed portions 12 are provided around a title controller, spaced away with an interval from the same, and a number of teeth are provided which extend in succession in parallel to a rotary shaft 9 of a cylinder 8 with different lengths. Further, many toothed peripheral passages P1 , P2 ... are formed which have different arcuate lengths in the lengthwise direction of the cylinder 8 as a function of positions. Continuation of an engagement between the cylinder 8 and a reciprocating actuator 5 provides the function of positions of the cylinder 8 along the rotary shaft 9 with respect to the reciprocating actuator 5. As a result, the need of casting and high accuracy assembling is eliminated, and hence there is ensured a controller having a reliable and strong structure.

IPC 1-7

H01H 3/40; **H01H 3/00**

IPC 8 full level

H05B 6/68 (2006.01); **F24C 7/02** (2006.01); **H01H 3/00** (2006.01); **H01H 3/40** (2006.01)

CPC (source: EP KR US)

H01H 3/00 (2013.01 - KR); **H01H 3/004** (2013.01 - EP US); **H01H 3/40** (2013.01 - EP KR US); **H01H 43/10** (2013.01 - KR)

Cited by

CN112178702A; CN112178701A

Designated contracting state (EPC)

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EP 0397020 A2 19901114; **EP 0397020 A3 19911030**; **EP 0397020 B1 19950301**; DE 69017257 D1 19950406; DE 69017257 T2 19950706; ES 2068940 T3 19950501; FR 2646962 A1 19901116; FR 2646962 B1 19920731; IE 900289 L 19901112; JP 2735360 B2 19980402; JP H03129210 A 19910603; KR 0146289 B1 19980915; KR 900019092 A 19901224; PT 93976 A 19910108; PT 93976 B 19970829; US 5097105 A 19920317

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