

Title (en)
Grill/convection microwave oven and convection cooking method thereof

Title (de)
Kombinierter Grill-, Konvektions- und Mikrowellenofen und Verfahren zum Kochen

Title (fr)
Four à chauffage combiné par gril, convection et micro-ondes et procédé de cuisson

Publication
EP 0783240 A3 19980325 (EN)

Application
EP 96402886 A 19961224

Priority
KR 19950068687 A 19951230

Abstract (en)
[origin: EP0783240A2] An improved grill/convection microwave oven and a convection cooking method thereof which are capable of simultaneously operating a convection heater and a grill heater in the convection cooking mode without using a damper system, for thus reducing the number of parts of the system, whereby it is possible to reduce the fabrication cost, which includes a grill heater and convection heater for a cooking operation, a magnetron for a microwave cooking, a cooking compartment for cooking food therein, a circulation motor for circulating heat generated by the convection heater, an oven lamp, a turntable motor, and a fan motor connected parallel with the circulation motor and controlled by one relay, and an air duct communicating with a cooking compartment air inlet, so that an air is introduced by the fan motor, and cools the magnetron, and then the thusly cooled air is introduced into the cooking compartment.

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H05B 6/80

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

CPC (source: EP KR)
F24C 7/02 (2013.01 - KR); **H05B 6/6411** (2013.01 - EP); **H05B 6/6485** (2013.01 - EP)

Citation (search report)

- [A] EP 0142958 A2 19850529 - MICROWAVE OVENS LTD [GB]
- [A] EP 0099705 A2 19840201 - MICROWAVE OVENS LTD [GB]
- [A] DE 2911929 A1 19801016 - LICENTIA GMBH
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 257 (M - 256) 16 November 1983 (1983-11-16)
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 230 (M - 249) 12 October 1983 (1983-10-12)
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 169 (M - 231) 26 July 1983 (1983-07-26)

Cited by
US7931381B2; EP1221828A1; EP1211914A3; US6541746B2

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EP 0783240 A2 19970709; EP 0783240 A3 19980325; EP 0783240 B1 20060607; CN 1087070 C 20020703; CN 1158398 A 19970903; DE 69636214 D1 20060720; DE 69636214 T2 20070405; KR 100214587 B1 19990802; KR 970047193 A 19970726

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