

Title (en)
MICROWAVE OVENS AND METHODS OF COOKING FOOD

Publication
EP 0142958 A3 19851030 (EN)

Application
EP 84307554 A 19841101

Priority
GB 8330179 A 19831111

Abstract (en)
[origin: EP0142958A2] A microwave oven has a magnetron (44) for supplying microwave power to the oven cavity and a fan and electrical resistance heating element (32) for supplying a forced flow of recirculating hot air through the oven cavity. To increase the penetration of microwave power into the food, and thereby shorten the cooking time, the magnetron (44) has an operating frequency such as 896 or 915 Megahertz which is lower than is conventionally used in microwave ovens.

IPC 1-7
F24C 7/02; H05B 6/64; H05B 11/00

IPC 8 full level
F24C 1/02 (2006.01); **F24C 1/04** (2006.01); **H05B 6/68** (2006.01)

CPC (source: EP)
H05B 6/6411 (2013.01); **H05B 6/645** (2013.01); **H05B 6/6482** (2013.01)

Citation (search report)

- GB 2137860 A 19841010 - MICROWAVE OVENS LTD
- US 4221948 A 19800909 - JEAN OLIVIER A L
- DE 2555154 A1 19760729 - ELEKTROMASCHINEN AG [CH]
- GB 2081060 A 19820210 - SPECIAL METALS CORP
- US 3699976 A 19721024 - ABE ISAO, et al

Cited by
FR2722559A1; EP0783240A3; US11412584B2; US11751296B2

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DOCDB simple family (publication)
EP 0142958 A2 19850529; **EP 0142958 A3 19851030**; AU 3524784 A 19850530; GB 8330179 D0 19831221; JP S60114634 A 19850621

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