

Title (en)
Microwave oven.

Title (de)
Mikrowellenofen.

Title (fr)
Four à micro-ondes.

Publication
EP 0174732 A1 19860319 (EN)

Application
EP 85305591 A 19850806

Priority
• GB 8420608 A 19840814
• GB 8513537 A 19850529

Abstract (en)
A microwave oven has a magnetron for producing microwave power which is launched into a cavity of the oven from a launching area in a base panel (10) of the cavity. A metal turntable in the form of a tray (14) is rotatably supported in the cavity above the launch area by a dimension of between 18 and 25 mm above the base panel (10) of the cavity. The tray (14) provides an inefficient power match with the magnetron so that the amount of power coupled into the cavity from the magnetron is determined by the dielectric load of food items placed on the tray (14). The oven also has a fan which forces hot air through the cavity, so that the food items are subjected to microwave power and hot air simultaneously.

IPC 1-7
H05B 6/80

IPC 8 full level
H05B 6/80 (2006.01)

CPC (source: EP)
H05B 6/6411 (2013.01); **H05B 6/6473** (2013.01)

Citation (search report)
• [Y] FR 2310058 A1 19761126 - MATSUSHITA ELECTRIC IND CO LTD [JP]
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• [A] EP 0099705 A2 19840201 - MICROWAVE OVENS LTD [GB]
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