

Title (en)
ELECTRIC COOKING OVEN

Title (de)
ELEKTRISCHER KOCHHERD

Title (fr)
FOUR ELECTRIQUE DE CUISSON

Publication
EP 0913070 A1 19990506 (FR)

Application
EP 97933715 A 19970711

Priority
• FR 9701283 W 19970711
• FR 9608825 A 19960715

Abstract (en)
[origin: WO9803041A1] The invention concerns an electric cooking oven comprising a cooking vessel (1), a microwave energy source and a waveguide (2') substantially parallelepiped in shape delimited transversally by two substantially rectangular surfaces (20', 21') located in two parallel planes separated by a predefined distance (d), the output of guided waves occurring in at least two zones (230, 231) located in an outlet plane (23') perpendicular to the two surfaces and delimited by two parallel edges (b'1, b'4) connecting the two surfaces. The length (1) of said edges is greater than the distance (d) separating the two surfaces (20', 21') so as to optimise the number of excited transversal electric and/or transversal magnetic modes inside the cooking vessel in excitation planes parallel to the outlet plane.

IPC 1-7
H05B 6/74; **H05B 6/80**

IPC 8 full level
H05B 6/70 (2006.01); **H05B 6/74** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP KR US)
H05B 6/708 (2013.01 - EP US); **H05B 6/74** (2013.01 - KR)

Citation (search report)
See references of WO 9803041A1

Designated contracting state (EPC)
DE ES GB IT NL SE

DOCDB simple family (publication)
WO 9803041 A1 19980122; CN 1132506 C 20031224; CN 1229567 A 19990922; DE 69703801 D1 20010201; DE 69703801 T2 20010719; EP 0913070 A1 19990506; EP 0913070 B1 20001227; ES 2155257 T3 20010501; FR 2751055 A1 19980116; FR 2751055 B1 19980925; KR 100458670 B1 20041203; KR 20000023782 A 20000425; US 6057535 A 20000502

DOCDB simple family (application)
FR 9701283 W 19970711; CN 97197640 A 19970711; DE 69703801 T 19970711; EP 97933715 A 19970711; ES 97933715 T 19970711; FR 9608825 A 19960715; KR 19997000257 A 19990115; US 21490299 A 19990324