

Title (en)
MICROWAVE OVEN WITH A WAVE STIRRER

Publication
EP 0151435 B1 19880713 (FR)

Application
EP 85100703 A 19850124

Priority
FR 8401205 A 19840126

Abstract (en)
[origin: EP0151435A2] 1. A microwave oven comprising a cooking enclosure (10), a microwave generator (12) delivering the microwave energy in the said enclosure (10) by the intermediation of a wave guide (14) carried on one of the walls (16) of the enclosure (10), and a wave stirrer (18) disposed at the mouth of the said wave guide (14) and comprising a rotating shaft (20) carrying a flange (22) equipped with a series of metallic blades (24) intended to ensure distribution of energy in the enclosure (10), characterized in that the shaft (20) of the stirrer (18) is mounted inclined in relation to an axis (28) perpendicular to the said wall (16) of the enclosure and is itself subjected to an entrainment mechanism (30) which causes it to be slowly displaced, during its rotation, over a conical surface (32) the axis of which is identical with the said perpendicular axis (28), the said flange (22) and the blades (24) consequently describing, during their rotation about the shaft (20), a slow nutation movement about the said axis (28).

IPC 1-7
F24C 7/02

IPC 8 full level
F24C 7/02 (2006.01); **H05B 6/74** (2006.01)

CPC (source: EP)
H05B 6/74 (2013.01)

Cited by
FR2637356A2; WO2018041567A1

Designated contracting state (EPC)
AT BE CH DE GB IT LI NL SE

DOCDB simple family (publication)
EP 0151435 A2 19850814; EP 0151435 A3 19870506; EP 0151435 B1 19880713; AT E35735 T1 19880715; DE 3563791 D1 19880818; ES 284148 U 19850801; ES 284148 Y 19860416; FR 2558936 A1 19850802; FR 2558936 B1 19871127; PT 79876 A 19850201; PT 79876 B 19860915

DOCDB simple family (application)
EP 85100703 A 19850124; AT 85100703 T 19850124; DE 3563791 T 19850124; ES 284148 U 19850125; FR 8401205 A 19840126; PT 7987685 A 19850125