

Title (en)

Microwave oven with a wave stirrer.

Title (de)

Mikrowellenherd mit einem Wellenrührer.

Title (fr)

Four à micro-ondes équipé d'un brasseur d'ondes.

Publication

**EP 0151435 A2 19850814 (FR)**

Application

**EP 85100703 A 19850124**

Priority

FR 8401205 A 19840126

Abstract (en)

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).

Abstract (fr)

Ce four comporte un brasseur d'ondes (18) comprenant un arbre rotatif (20) portant un flasque (22) équipé d'une série de pales (24) destinées à répartir l'énergie à micro-ondes dans l'enceinte de cuisson (10). Selon l'invention, l'arbre (20) du brasseur (18) est monté incliné par rapport à la paroi supérieure (16) de l'enceinte (10) et est lui-même soumis à un mécanisme d'entraînement (30) qui l'amène à se déplacer lentement pendant sa rotation sur une surface conique, imprimant ainsi aux pales (24) un mouvement de nutation lente pendant leur rotation. L'invention s'applique aux fours à micro-ondes ménagers.

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