

Title (en)

HEATING A PRODUCT INTENDED FOR CONSUMPTION IN A MICROWAVE APPARATUS

Title (de)

AUFHEIZUNG EINES ZUM VERZEHR BESTIMMTEN PRODUKTS IN EINER MIKROWELLENVORRICHTUNG

Title (fr)

RECHAUFFAGE D'UN PRODUIT ALIMENTAIRE DANS UN APPAREIL A MICRO-ONDES

Publication

EP 1159856 B1 20031001 (EN)

Application

EP 00909792 A 20000306

Priority

- NL 0000147 W 20000306
- NL 1011443 A 19990304

Abstract (en)

[origin: WO0052969A1] A product (19; 69; 119-121; 169; 219; 292) intended for consumption is placed in a container (1; 51; 101; 151; 201; 251; 301) and shielded by a shield (8-11; 58; 108; 158; 208; 258; 308) of the product against microwaves. A field of microwaves is generated, while microwave energy in an area around or at the product is converted into heat whereby the product is heated. Because the energy conversion medium (1; 51; 125; 175; 225; 275; 325) in which the conversion of microwaves into heat takes place, before the start of the generation of the field of microwaves, is present outside the shield and in the container in an energy conversion unit (1; 51; 126; 175; 177, 184; 225, 227; 275, 277; 325, 327) in which the energy conversion medium is kept separate from the product, the energy conversion medium can be placed in the container a considerable time before the heating of the product without having a negative influence on the storage life.

IPC 1-7

H05B 6/64

IPC 8 full level

H05B 6/64 (2006.01)

CPC (source: EP)

H05B 6/6494 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0052969 A1 20000908; AT E251378 T1 20031015; AU 3197700 A 20000921; CA 2373125 A1 20000908; DE 60005648 D1 20031106; DE 60005648 T2 20040729; EP 1159856 A1 20011205; EP 1159856 B1 20031001; NL 1011443 C2 20000905

DOCDB simple family (application)

NL 0000147 W 20000306; AT 00909792 T 20000306; AU 3197700 A 20000306; CA 2373125 A 20000306; DE 60005648 T 20000306; EP 00909792 A 20000306; NL 1011443 A 19990304