

Title (en)
CONTROLLED HEATING OF FOODSTUFFS BY MICROWAVE ENERGY

Title (de)
GEREGELTES HEIZEN VON NAHRUNGSMITTELEN DURCH MIKROWELLEN

Title (fr)
CHAUFFAGE REGLE DES DENREES ALIMENTAIRES A L'AIDE DES MICRO-ONDES

Publication
EP 0513076 B1 19960828 (EN)

Application
EP 91902970 A 19910131

Priority
• CA 9100031 W 19910131
• CA 2009207 A 19900202
• US 53516890 A 19900608

Abstract (en)
[origin: WO9111893A1] A novel structure for use in the microwave cooking of foodstuffs for consumption is described. The structure includes a layer (22) of flexible electroconductive material normally opaque to microwave radiation and having a plurality of elongate apertures (24) therethrough dimensioned to permit microwave energy to pass through to the interior of the foodstuff and to produce thermal energy at the surface of the foodstuff. Both a microwave shielding effect and a combined microwave energy heating and thermal energy heating effect are obtained, enabling close control of the manner and extent of microwave cooking of the foodstuff to be obtained. The layer (22) of flexible electroconductive material is supported by and adhered to a substrate layer (18) of microwave energy transparent material in a multiple layer article of manufacture adapted to be formed into a packaging structure in which a foodstuff may be heated by microwave energy to an edible condition.

IPC 1-7
H05B 6/64; **H05B 6/80**

IPC 8 full level
F24C 7/02 (2006.01); **B65D 81/34** (2006.01); **H05B 6/64** (2006.01)

CPC (source: EP)
B65D 81/3453 (2013.01); **B65D 2581/3405** (2013.01); **B65D 2581/344** (2013.01); **B65D 2581/3467** (2013.01); **B65D 2581/3472** (2013.01); **B65D 2581/3489** (2013.01)

Cited by
DE10221471B4; FR2839630A1; WO9214864A2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
WO 9111893 A1 19910808; AR 246491 A1 19940831; AT E142073 T1 19960915; AU 645777 B2 19940127; AU 7150291 A 19910821; DE 69121698 D1 19961002; DE 69121698 T2 19970320; EP 0513076 A1 19921119; EP 0513076 B1 19960828; JP H05500133 A 19930114; NZ 236962 A 19930826

DOCDB simple family (application)
CA 9100031 W 19910131; AR 31897491 A 19910207; AT 91902970 T 19910131; AU 7150291 A 19910131; DE 69121698 T 19910131; EP 91902970 A 19910131; JP 50301891 A 19910131; NZ 23696291 A 19910131