

Title (en)
DEVICE FOR HEAT TREATING PRODUCTS BY MEANS OF MICROWAVES AND HEAT TREATMENT METHOD IMPLEMENTING SUCH A DEVICE

Title (de)
VORRICHTUNG ZUR WÄRMEBEHANDLUNG VON PRODUKTEN MITTELS MIKROWELLEN UND WÄRMEBEHANDLUNGSVERFAHREN MIT IMPLEMENTIERUNG SOLCH EINER VORRICHTUNG

Title (fr)
DISPOSITIF DE TRAITEMENT THERMIQUE DE PRODUITS PAR MICRO-ONDES ET PROCÉDÉ DE TRAITEMENT THERMIQUE METTANT EN OEUVRE UN TEL DISPOSITIF

Publication
EP 3005833 B1 20170705 (FR)

Application
EP 14734862 A 20140528

Priority
• FR 1354820 A 20130528
• FR 2014051256 W 20140528

Abstract (en)
[origin: WO2014191681A1] The invention concerns a device for heat treating products by means of microwaves, said device comprising an enclosure (2), a drum (3) that extends according to an axis (30) and at least one portion of which is mounted inside the enclosure (2), a spacing (4) defined between the enclosure (2) and the drum (3), a support (5) positioned at least partially in said spacing (4) and designed to receive and to transport the products to be treated, and at least one module (6) for applying microwaves to the products to be treated, such a module (6) being designed to introduce microwaves into said spacing (4). Said device is characterised in that: - the drum (3) adopts the shape of a prism, extending according to the axis (30) of the drum (3), and comprising a plurality of sides (31; 31'; 31'') extending parallel to the axis (30) of the drum (3); - the enclosure (2) comprises, internally, a plurality of planar surfaces (20; 20'; 20'') each oriented towards one (31; 31'; 31'') of the sides of the drum (3) and extending parallel to such a side (31; 31'; 31'') of said drum (3). The invention also concerns a method for heat treating products by means of microwaves implemented by means of said device.

IPC 8 full level
H05B 6/78 (2006.01)

CPC (source: EP RU US)
H05B 6/6402 (2013.01 - US); **H05B 6/701** (2013.01 - US); **H05B 6/707** (2013.01 - US); **H05B 6/78** (2013.01 - RU); **H05B 6/788** (2013.01 - EP US); **H05B 6/80** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014191681 A1 20141204; CN 105379417 A 20160302; CN 105379417 B 20181030; EP 3005833 A1 20160413; EP 3005833 B1 20170705; ES 2642068 T3 20171115; FR 3006545 A1 20141205; FR 3006545 B1 20150717; PL 3005833 T3 20180131; RU 2015155652 A 20170630; RU 2015155652 A3 20180516; RU 2658637 C2 20180622; US 10292214 B2 20190514; US 2016105931 A1 20160414

DOCDB simple family (application)
FR 2014051256 W 20140528; CN 201480030667 A 20140528; EP 14734862 A 20140528; ES 14734862 T 20140528; FR 1354820 A 20130528; PL 14734862 T 20140528; RU 2015155652 A 20140528; US 201414894295 A 20140528