

Title (en)

A side grid system for an oven cavity

Title (de)

Seitengittersystem für einen Ofeninnenraum

Title (fr)

Système de grille latérale pour cavité de four

Publication

EP 2757322 B1 20171213 (EN)

Application

EP 14151410 A 20140116

Priority

- EP 13151767 A 20130118
- EP 14151410 A 20140116

Abstract (en)

[origin: EP2757322A1] The present invention relates to a side grid system adapted for use in an oven cavity of a microwave oven, wherein said side grid system is provided for supporting one or more slidable foodstuff carriers. The side grid system comprises a pair of side grid elements (10) and at least four holding elements (32, 34). Each side grid element (10) is attachable by at least two holding elements (32, 34) at one of two opposing metal side walls (36) of the oven cavity. The holding elements (32, 34) are permanently or removably fixable at the metal side walls (36) of the oven cavity. Each side grid element (10) includes a front metal plate (12) and a rear metal plate (14) that extends essentially along the vertical height (hv) of the side grid element (10). The side grid element (10) includes a plurality of horizontal elongated rod sections (18) interconnecting the front metal plate (12) and the rear metal plate (14). The horizontal elongated rod sections (18) of each side grid element (10) are arranged one upon the other within said side grid element (10). The front metal plate (12) is engageable with at least one front holding element (32) by an essentially vertical movement along a plane defined by the first metal plate (12). The rear metal plate (14) is engageable with at least one rear holding element (34) by an essentially, horizontal movement along a plane defined by the rear metal plate (14). At least one of the front metal plate (12) and the rear metal plate (14) is adapted for being stably held by respectively a single front holding element (32) or a single rear holding element (34) at a sparkle-safe distance from the metal cavity side wall (36) at which electrical sparkle formation during microwave operation of the oven is avoided.

IPC 8 full level

H05B 6/64 (2006.01); **F24C 15/16** (2006.01)

CPC (source: EP)

F24C 15/16 (2013.01); **H05B 6/6408** (2013.01)

Cited by

EP3712508A1; WO2017190796A1; EP3211323A1; CN108603665A; DE102021130209A1; WO2017076464A1; US12035845B1; US10616961B2; WO2018024558A1

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)

EP 2757322 A1 20140723; EP 2757322 B1 20171213

DOCDB simple family (application)

EP 14151410 A 20140116