

Title (en)
MICROWAVE OVEN WITH OPPOSING BEAMS OUTLETS

Title (de)
MIKROWELLENOFEN MIT EINANDER GEGENÜBERLIEGENDEN STRAHLENAUSLÄSSEN

Title (fr)
FOUR À MICRO-ONDES POURVU DE SORTIES DE RAYONNEMENT OPPOSÉES LES UNES PAR RAPPORT AUX AUTRES

Publication
EP 3429313 B1 20200325 (DE)

Application
EP 18182682 A 20180710

Priority
DE 102017115363 A 20170710

Abstract (en)
[origin: CN109237551A] Loading of microwave radiation beams to a microwave oven should be carried out evenly as far as possible, so as to achieve even heating of products contained in the microwave oven as far as possible. By using a magnetron pipe to generate microwave radiation beams, the microwave radiation beams are introduced into the oven to heat the product, which is beneficial to improving of energy coupling-in from the upper part and the lower part, thereby facilitating the heating. An enclosing component is arranged on the upper side and it is troublesome to arrange magnetic control pipes in the enclosing component. Thus, the microwave oven is configured to have the enclosing components so that first radiation beams are allowed to extend in the wall section segments in the fixed positions and the second radiation beam channels are allowed to locally extend in the enclosing components. Thus, radiation is conducted to the parts extending in the enclosing components of the second radiation channels from the parts extending in the wall section segments of the second radiation beam channels in the fixed positions. The second radiation beam channels have radiation beam exits in the inner sides of the enclosing components, thus, if a top cover of the microwave oven is formed on the enclosing components, radiation beam exits are provided above the products in the oven.

IPC 8 full level
H05B 6/64 (2006.01); **H05B 6/70** (2006.01); **H05B 6/80** (2006.01)

CPC (source: CN EP)
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