

Title (en)
Industrial modular microwave oven.

Title (de)
Modularer industrieller Mikrowellenofen.

Title (fr)
Four industriel modulaire à micro-ondes.

Publication
EP 0069105 A1 19830105 (FR)

Application
EP 82870033 A 19820618

Priority
NL 8103118 A 19810629

Abstract (en)
1. An industrial microwave oven, characterized by comprising at least one module (10) constituted by a metal casing (1) subdivided into three compartments (11, 12, 13) by partitions (14, 15) having openings therein, a plurality of microwave generators (4) arranged in the outer compartments (11, 13) such that the warm air flows directly through said openings (16, 17) in the partitions (14, 15) into the middle compartment (12), said middle compartment (12) forming the microwave applicator oven itself, and a plurality of waveguide means (2) arranged on the metal casing (1) with radiator means (3), the positions of said waveguide and radiator means being distributed so as to couple the maximum microwave energy into the middle compartment (12).

Abstract (fr)
Chaque module (10) est constitué d'un caisson métallique (1) divisé en trois compartiments (11, 12, 13) par des cloisons (14, 15) présentant des ouvertures, par plusieurs générateurs micro-ondes (4) disposés dans les compartiments extérieurs (11, 13) de telle manière que l'air chaud se propage directement dans le compartiment médian (12) par lesdites ouvertures (16, 17) dans les cloisons (14, 15), le compartiment médian (12) constituant le four applicateur proprement dit. Plusieurs guides d'ondes (2) sont montés sur le caisson métallique (1) avec des radiateurs (3), les positions des guides d'ondes et des radiateurs étant réparties en sorte que le maximum d'énergie micro-ondes soit appliqué dans le compartiment médian (12).

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IPC 8 full level
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CPC (source: EP)
H05B 6/78 (2013.01); **H05B 2206/046** (2013.01)

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