

Title (en)
MICROWAVE HEATING DEVICE

Title (de)
MIKROWELLENHEIZVORRICHTUNG

Title (fr)
DISPOSITIF CHAUFFANT À MICRO-ONDES

Publication
EP 2597930 A4 20151104 (EN)

Application
EP 11809411 A 20110705

Priority

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Abstract (en)
[origin: EP2597930A1] According to the present invention, in order to provide a small-sized microwave heating device having higher heating efficiency and, further, having a compacted microwave feeding structure placed on an upper side of the heating chamber, a waveguide for propagating microwaves from a microwave generating part is structured to include a horizontal propagation path and a vertical propagation path which are orthogonal to each other, such that the microwave generating part is horizontally coupled to the vertical propagation path, and microwaves from the microwave generating part are propagated to a feeding part through the vertical propagation path and the horizontal propagation path, wherein a horizontal propagation distance in the horizontal propagation path is longer than 1/2 the wavelength of microwaves which propagate through the waveguide.

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Citation (search report)

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