

Title (en)
MICROWAVE HEATING DEVICE

Title (de)
MIKROWELLENHEIZVORRICHTUNG

Title (fr)
DISPOSITIF DE CHAUFFAGE PAR MICRO-ONDES

Publication
EP 3930095 B1 20230906 (EN)

Application
EP 20758802 A 20200213

Priority
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Abstract (en)
[origin: EP3930095A1] A microwave heating device according to the present disclosure includes: a heating chamber to accommodate a heating target object, a microwave generating unit, a waveguide, an opening, and a reflected-wave detection unit. The microwave generating unit generates a microwave. The waveguide transmits, to the heating chamber, the microwave generated by the microwave generating unit. The opening is disposed in a wall surface of the waveguide, and extracts a part of a microwave from the waveguide. The reflected-wave detection unit detects a part of a reflected wave being a microwave propagating from the heating chamber toward the microwave generating unit, with the part of the reflected wave having been extracted through the opening. The reflected-wave detection unit is disposed within a range from the opening to a distance equal to 1/2 of the maximum opening length of the opening.

IPC 8 full level
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