

Title (en)

MICROWAVE COOKING DEVICE HAVING A PATCH ANTENNA

Title (de)

MIKROWELLEN-GARGERÄT MIT PATCHANTENNE

Title (fr)

APPAREIL DE CUISSON À MICRO-ONDES À ANTENNE PLANAIRE

Publication

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Application

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Abstract (en)

[origin: WO2018234064A1] The invention relates to a microwave cooking device (H) has a cooking chamber (G) delimited by a cooking chamber wall (1; 23) and has microwave apparatus for introducing microwaves into the cooking chamber (G), which microwave apparatus has at least one patch antenna (2; 24), wherein the patch antenna (2; 24) has a planar main body (3) and a planar emission body (6; 21), which covers the main body (3) at a distance and can be fed with microwave energy, and the main body (3; 25) and the emission body (6; 21) are electrically insulated from each other, the main body (3; 25) corresponding to a region of the cooking chamber wall (1). The invention can be advantageously applied in particular to domestic appliances, in particular stand-alone microwave devices or baking ovens having a microwave function.

IPC 8 full level

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