

Title (en)
PEF COOKING APPLIANCE AND TEMPERATURE-INCREASING BODY

Title (de)
PEF-GARGERÄT UND TEMPERATURERHÖHUNGSKÖRPER

Title (fr)
APPAREIL DE CUISSON PAR CHAMP ÉLECTRIQUE PULSÉ - PEF - ET CORPS D'AUGMENTATION DE TEMPÉRATURE

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Application
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Abstract (en)
[origin: WO2022233662A2] A PEF cooking appliance (2) has a cooking vessel (1) fillable with liquid, on which there may be arranged at least two spaced-apart PEF electrodes (5), wherein at least one temperature-increasing body (8, 9, 10) disposed within a treatment region (7) bounded by the at least two PEF electrodes (5) has at least one conductive volume (13) composed of a material having an electrical conductivity higher than the electrical conductivity of water, and wherein the conductive volume (13) has at least one exposed surface region (15, 17). A temperature-increasing body (8) serves for use in a PEF cooking appliance (2), wherein the temperature-increasing body (8) has at least one conductive volume (13) which, apart from at least two exposed, spaced-apart surface regions (15, 17), is embedded into a main body (16, 24, 30, 32, 34) made of electrically nonconductive material. The invention is especially advantageous applicable to domestic PEF appliances.

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