

Title (en)

CONTROL DELEGATION IN AN AUTOMATED LOOP COOKING PROCESS

Title (de)

STEUERUNGSZUWEISUNG IN EINEM AUTOMATISIERTEN SCHLEIFENKOCHVERFAHREN

Title (fr)

DÉLÉGATION DE COMMANDE DANS UN PROCESSUS DE CUISSON AUTOMATIQUE EN BOUCLE

Publication

EP 3836746 B1 20240501 (EN)

Application

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Priority

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Abstract (en)

[origin: EP3836746A1] Digital control means employed for food cooking provide many benefits to the food preparation process and result, allow creative and versatile cooking. Cookware with sensors, induction cooktops with remote controls, external apps for remote management is known prior art solutions. However, most induction cooktops lack the functionality to control the cooking process flexibly with external devices and apps. Smart cookware items have their digital controls, however, mostly limited by data input, display, and power supply capabilities. Smart devices/apps (smartphones, tablets) are flexible by software, bringing compatibility between cookware and cooktops, allow smart data input and display for cooking sophisticated recipes, however, with limitation on reliable, uninterrupted and "fail-safe" controls. This invention is directed to improve induction cooking, providing flexibility and safety throughout the cooking process until the food prepared and cooktop switched-off. The invention discloses method, system, and device (19) to control at least cooking temperature precisely and safely, by delegating controls from the external application (4) to the induction cooktop (1) digital control module (19) and cookware (3) digital control module (12).

IPC 8 full level

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CPC (source: EP)

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