

Title (en)  
METHOD FOR CONTROLLING THE DURATION OF HEATING AND/OR COOKING IN AN OVEN AND OVEN FOR IMPLEMENTING THE METHOD

Title (de)  
VERFAHREN ZUR REGELUNG DER DAUER DES AUFWÄRM- UND/ODER KOCHVORGANGS EINES OFENS UND OFEN ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)  
PROCEDE DE COMMANDE DE LA DUREE DE RECHAUFFAGE ET/OU DE CUISSON DANS UN FOUR ET FOUR POUR LA MISE EN OEUVRE DU PROCEDE

Publication  
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Application  
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Priority  

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Abstract (en)  
[origin: US6150637A] PCT No. PCT/FR98/00074 Sec. 371 Date Sep. 2, 1999 Sec. 102(e) Date Sep. 2, 1999 PCT Filed Jan. 15, 1998 PCT Pub. No. WO98/32311 PCT Pub. Date Jul. 23, 1998The invention concerns a method for controlling the duration of heating and/or cooking an undetermined amount Z of a given food product (5) placed in an oven chamber (1) comprising a heat source (2) and a sensor (4) for picking up a signal characteristic of the heating and/or cooking state of the food product. The invention is characterised in that it consists, after (A) supplying the heat source (2) at an initial moment t0 so that it delivers a predetermined constant power P0, in (B) measuring said characteristic signal at several successive moments over a measuring interval from said initial moment t0 to a final prefixed moment tc; in (C) computing over this measuring interval the value SZc of the integral of the characteristic signal measurements of taken in absolute value; in (D) deducing the residual time tr for heating and/or cooking for said undetermined amount Z of food product according to a predetermined polynomial equation linking the residual time tr to the value SZc of the computed integral; and in (E) stopping the supply of the heat source when the residual time tr has elapsed.

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