

Title (en)
A GLASS-CERAMIC COOKING APPARATUS AND A METHOD RELATING TO TEMPERATURE LIMITING CONTROL FOR PREVENTING COOKING OIL IGNITION

Title (de)
GLASKERAMISCHE KOCHVORRICHTUNG UND VERFAHREN ZUR TEMPERATURBEGRENZUNGSSTEUERUNG ZUR VERHINDERUNG DER BRENNÖLZÜNDUNG

Title (fr)
APPAREIL DE CUISSON EN VITROCÉRAMIQUE ET PROCÉDÉ APPARENTÉ À UNE COMMANDE DE LIMITATION DE TEMPÉRATURE POUR EMPÊCHER L'ALLUMAGE DE L'HUILE DE CUISSON

Publication
EP 3386268 A3 20190306 (EN)

Application
EP 18181419 A 20180703

Priority
EP 18181419 A 20180703

Abstract (en)
[origin: EP3386268A2] A glass-ceramic cooking apparatus and a method relating to temperature limiting control of the glass heating area for preventing cooking oil ignition is disclosed. The apparatus comprises at least one glass surface (201), at least one heat source (103) under the glass to create a heating area (202) on the glass, one temperature sensor (303) and one control unit (302) for each heat source (103), wherein the sensor (303) measures the temperature on the underside the glass heating area (202), and the control unit is electrically connected with the heat source (103), compares the measured glass temperature with predetermined upper and lower temperature limits that are based on a corresponding relationship between the heating area temperature and the cooking oil temperature within the cooking vessel, and then reduces or increases the output power of the heating source (103), so that the maximum temperature of the cooking oil in the cooking vessel can be limited in a range that is below the cooking oil ignition point while a minimum temperature can still be maintained for a desired cooking performance.

IPC 8 full level
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Citation (search report)

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- [A] DE 20309503 U1 20030828 - CERAMASPEED LTD [GB]
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EP3722672A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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