

Title (en)

Method for detecting fire in the cooking chamber of an oven

Title (de)

Verfahren zur Brandfallerkennung in einem Garraum eines Backofens

Title (fr)

Procédé destiné à la détection d'incendies dans une chambre de cuisson d'un four de cuisson

Publication

EP 1895240 B1 20160727 (DE)

Application

EP 07015750 A 20070810

Priority

DE 102006041767 A 20060904

Abstract (en)

[origin: DE102006041767B3] The method involves measuring oxygen concentration in a cooking area (4) or in an expelled moisture channel (24) during cooking process, and determining rate of change of oxygen concentration in an evaluation circuit (18.1) of an electric controller (18) of an oven. The measured concentration and the rate of change are compared with a threshold value and an optical or acoustic warning is released to a user when the measured concentration obtains a value that is lower than the threshold value and the rate of decrease of the concentration is larger than the threshold value.

IPC 8 full level

F24C 7/08 (2006.01); **A23L 5/30** (2016.01); **F24C 14/02** (2006.01); **F24C 15/20** (2006.01)

CPC (source: EP US)

F24C 7/08 (2013.01 - EP US); **F24C 14/02** (2013.01 - EP US); **F24C 15/2014** (2013.01 - EP US)

Cited by

CN105737229A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006041767 B3 20071004; EP 1895240 A1 20080305; EP 1895240 B1 20160727; US 2008053990 A1 20080306; US 8084723 B2 20111227

DOCDB simple family (application)

DE 102006041767 A 20060904; EP 07015750 A 20070810; US 84889207 A 20070831