

Title (en)

SYSTEM AND METHOD OF MONITORING AN ELECTRIC RANGE

Title (de)

SYSTEM UND VERFAHREN ZUM ÜBERWACHEN EINES ELEKTROHERDS

Title (fr)

SYSTEME ET PROCEDE DE SURVEILLANCE D'UNE CUISINIERE ELECTRIQUE

Publication

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Application

EP 03704886 A 20030305

Priority

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- SE 0200680 A 20020307

Abstract (en)

[origin: WO03074940A1] System and methods for monitoring an electric range (60). The system has a plurality of sensing devices including a current meter (30) arranged to measure a current for heating up the electric range, a temperature sensor (22) arranged to measure a temperature of the electric range, a person detector (14) arranged to detect the presence of a person at the electric range and a smoke detector (14; 54) arranged to detect smoke generation from the electric range. A processor (42) having a timer function (44) is operatively connected to the sensor units and is arranged to calculate a heating up state of the electric range according to a program as a function of all the signals from the said detector and their durations and to determine when the heating up state changes into an overheating state calculated as a function of reference values for the said signals and their durations stored in a memory in the processor (42). A switch (36) operatively connected to the processor (42) is arranged to turn off the current for heating up the electric range (60) when the heating up state has changed into the overheating state.

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See references of WO 03074940A1

Cited by

EP2634495A3; DE102011001586A1; DE102008041390A1; EP2189957A1; US11517146B2; USD927996S; CN104776882A; EP2902710A3; US10051993B2; US10660467B2; EP3136363B1

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