Title (en)
FIRE DETECTOR FOR MONITORING A ROOM BY MEANS OF A COMBINATION OF SMOKE DENSITY MEASUREMENT AND TEMPERATURE MEASUREMENT

Title (de)
BRANDMELDER ZUR ÜBERWACHUNG EINES RAUMES MITTELS KOMBINATION AUS RAUCHDICHTE- UND TEMPERATUR-MESSUNG

Title (fr)
DÉTECTEUR D'INCENDIE POUR LA SURVEILLANCE D'UN LOCAL AU MOYEN D'UNE COMBINAISON DE MESURE DE LA DENSITÉ DE FUMÉE ET DE LA TEMPÉRATURE

Publication
EP 2537147 B1 20130508 (DE)

Application
EP 11716831 A 20110414

Priority
- DE 102010015467 A 20100416
- EP 2011001897 W 20110414

Abstract (en)
[origin: CA2796500A1] The invention relates to a fire detector (20 to 25) for monitoring a room and for triggering a fire alarm, having a smoke sensor (2) and a temperature sensor (3), wherein a smoke density can be measured by the smoke sensor (2) and a temperature can be measured by the temperature sensor, wherein when a temperature threshold value is exceeded and/or a smoke density threshold value is exceeded an alarm can be triggered, wherein the temperature threshold value is dependent on the smoke density and/or the smoke density threshold value is dependent on the temperature, wherein the fire detector (20 to 25) comprises a memory (10). A complicated evaluation as to whether the temperature threshold value or smoke density threshold value has been exceeded is avoided and the risk of false alarms is reduced as a result of the fact that a matrix is filed in the memory (10), wherein the matrix contains combination values, wherein by means of the matrix one of the combination values can be assigned to the measured temperature and the measured smoke density, wherein the combination value indicates whether the temperature threshold value and/ or the smoke density threshold value has been exceeded or fallen below.

IPC 8 full level
G08B 25/00 (2006.01); **G08B 17/06** (2006.01); **G08B 17/10** (2006.01)

CPC (source: EP KR US)
G08B 17/06 (2013.01 - EP KR US); **G08B 17/10** (2013.01 - EP KR US); **G08B 25/004** (2013.01 - EP US)

Cited by
CN109634166A

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

DOCDB simple family (publication)
DE 102010015467 A1 20111020; **DE 102010015467 B4 20120927**; CA 2796500 A1 20111020; CN 102844798 A 20121226; DK 2537147 T3 20130819; DK 2537147 T5 20131111; EP 2537147 A1 20121226; EP 2537147 B1 20130508; KR 20130006479 A 20130116; PL 2537147 T3 20131031; US 2013033377 A1 20130207; WO 2011128100 A1 20111020

DOCDB simple family (application)
DE 102010015467 A 20100416; CA 2796500 A 20110414; CN 201180019409 A 20110414; DK 11716831 T 20110414; EP 11716831 A 20110414; EP 2011001897 W 20110414; KR 20127027075 A 20110414; PL 11716831 T 20110414; US 201113641594 A 20110414