

Title (en)  
SMOKE MULTI-GAS DETECTOR ALARM AND TRANSMITTER DEVICE

Title (de)  
RAUCH- UND MEHRGASALARMDETEKTOR UND SENDERVORRICHTUNG

Title (fr)  
ALARME DE DÉTECTEUR DE FUMÉE À GAZ MULTIPLES ET DISPOSITIF D'ÉMISSION

Publication  
**EP 2937843 A1 20151028 (EN)**

Application  
**EP 15165132 A 20150424**

Priority  
US 201414260403 A 20140424

Abstract (en)  
A smoke multi-gas detector alarm and transmitter device includes a fire-proof blackbox mountable to a ceiling in a room. A carbon monoxide sensor is disposed in the fire-proof blackbox to detect an airborne carbon monoxide substance within the room. A smoke sensor is disposed in the fire-proof blackbox to detect an airborne smoke substance within the room. A combustible gas sensor is disposed in the fire-proof blackbox to detect an airborne combustible gas substance within the room. An audible alarm module is disposed in the fire-proof blackbox to be activated by one of the sensors. A processor/memory unit is disposed in the fire-proof blackbox to be activated by one of the sensors. A transmitter is disposed in the fire-proof blackbox to be activated by the processor/memory unit to send an alert signal (SMS or voice message) to a person at a remote computer and to a person at a cell phone. GPRS/SMS, WIFI, Satellite Transmitter can be used.

IPC 8 full level  
**G08B 17/10** (2006.01); **G08B 17/117** (2006.01); **G08B 21/14** (2006.01); **G08B 21/16** (2006.01); **G08B 25/00** (2006.01); **G08B 25/10** (2006.01)

CPC (source: CN EP)  
**G08B 17/06** (2013.01 - EP); **G08B 17/10** (2013.01 - EP); **G08B 17/113** (2013.01 - EP); **G08B 17/117** (2013.01 - EP);  
**G08B 19/00** (2013.01 - CN EP); **G08B 21/14** (2013.01 - EP); **G08B 21/16** (2013.01 - EP); **G08B 25/08** (2013.01 - CN);  
**G08B 25/10** (2013.01 - CN EP); **G08B 25/08** (2013.01 - EP)

Citation (applicant)  
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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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2937843 A1 20151028**; CA 2889380 A1 20151024; CN 105023387 A 20151104; JP 2015210826 A 20151124; KR 20150123193 A 20151103;  
RU 2015115588 A 20161120; SG 10201503195S A 20151127; TW 201541413 A 20151101

DOCDB simple family (application)  
**EP 15165132 A 20150424**; CA 2889380 A 20150423; CN 201510323086 A 20150424; JP 2015088453 A 20150423;  
KR 20150058234 A 20150424; RU 2015115588 A 20150424; SG 10201503195S A 20150423; TW 104113131 A 20150424