

Title (en)

Smoke detector with contamination monitoring

Title (de)

Rauchmelder mit Verschmutzungsüberwachung

Title (fr)

Détecteur de fumée doté d'une surveillance de l'encrassement

Publication

EP 2028631 B1 20111026 (DE)

Application

EP 08014521 A 20080814

Priority

DE 102007039401 A 20070821

Abstract (en)

[origin: EP2028631A2] The detector (1) has a measuring light transmitter (4) provided in a measuring chamber (3) for transmitting light into the chamber. A diffused light test receiver (5) receives the light emitted by the transmitter. A diffused light measuring volume (19) is provided in the chamber with a labyrinth. A detector housing and the chamber are partially manufactured from a material with shiftable optical characteristics. The shiftable material that fulfills function of shiftable panel is not arranged between the transmitter or the receiver and the measuring volume. Independent claims are also included for the following: (1) a method for manufacturing a smoke detector (2) a method for detecting contamination of a smoke inlet opening and/or insect grid of a detector (3) a method for coloring a detector.

IPC 8 full level

G08B 17/10 (2006.01); **G08B 5/36** (2006.01); **G08B 17/12** (2006.01); **G08B 29/14** (2006.01)

CPC (source: EP)

G08B 5/36 (2013.01); **G08B 17/107** (2013.01); **G08B 17/113** (2013.01); **G08B 17/12** (2013.01); **G08B 29/145** (2013.01)

Cited by

EP2166521A1; CN110675591A; EP2555176A1; EP2330577A1; AU2015249510B2; EP2747047A1; US9679468B2; EP3113133A3; WO2015162529A1; US8201973B2; EP3113133B1; EP2423895B1

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DOCDB simple family (publication)

EP 2028631 A2 20090225; **EP 2028631 A3 20091118**; **EP 2028631 B1 20111026**; AT E531018 T1 20111115; DE 102007039401 A1 20090226; DE 102007039401 B4 20120712; EP 2405412 A1 20120111; EP 2407949 A1 20120118; EP 2407949 B1 20130522

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