

Title (en)

IMPROVEMENTS RELATING TO OPTICAL SMOKE DETECTORS

Title (de)

OPTISCHER RAUCHMELDER

Title (fr)

PERFECTIONNEMENTS AUX DETECTEURS OPTIQUES DE FUMEEES

Publication

**EP 0772852 A1 19970514 (FR)**

Application

**EP 95926440 A 19950727**

Priority

- FR 9501014 W 19950727
- FR 9409473 A 19940729

Abstract (en)

[origin: WO9604627A1] The device for detecting the presence of smoke (F) comprises a dark chamber (1) into which the smoke to be detected passes, a source (L) capable of producing in said chamber a light beam formed from pulses of short duration spaced from one another by identical much longer intervals, a detector (D) for generating response signals related to successive light pulses being partially reflected by the smoke, and means for comparing these signals with a threshold and setting off an alarm if the threshold is exceeded by several successive signals. The device also comprises means (4-8, 15, 16) for automatically increasing the pulsing frequency as soon as a signal exceeding the threshold is detected. Optional triggering of an alarm is then initiated on the basis of the signals generated by the detector in response to successive pulses at the increased frequency.

IPC 1-7

**G08B 17/107**

IPC 8 full level

**G01N 21/53** (2006.01); **G08B 17/107** (2006.01)

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