

Title (en)

A smoke detector.

Title (de)

Rauchdetektor.

Title (fr)

Détecteur de fumée.

Publication

EP 0021671 A1 19810107 (EN)

Application

EP 80301890 A 19800606

Priority

- JP 1197280 A 19800205
- JP 7626179 A 19790619

Abstract (en)

A smoke detector, in which there is provided a light emitting portion (2) for throwing a beam of light onto smoke entering into the detector, and a light detecting portion (3) arranged to receive light having been scattered from particles of the smoke. The light emitting portion comprises a light source (5) and a light pervious sphere element (6a) permitting passage of a beam of light from the light source toward the smoke, while the light detecting portion comprises a light sensitive element (9), generating a smoke detection signal in response to the detection of the scattered light and a light pervious sphere element (6b) permitting passage of the scattered light toward the light sensitive element. In the case where invisible light, such as infrared rays, is employed, the light detecting means comprises a light selecting member.

IPC 1-7

G08B 17/10

IPC 8 full level

G08B 17/107 (2006.01)

CPC (source: EP)

G08B 17/107 (2013.01); **G08B 17/113** (2013.01)

Citation (search report)

- US 3882477 A 19750506 - MUELLER PETER H
- FR 2141655 A1 19730126 - ELECTRO SIGNAL LAB
- US 3916209 A 19751028 - STEELE DONALD F, et al
- US 4129383 A 19781212 - MALINOWSKI WILLIAM J

Designated contracting state (EPC)

CH DE FR GB LI NL SE

DOCDB simple family (publication)

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