

Title (en)
Light scattering smoke detector

Title (de)
Streulichtrauchmelder

Title (fr)
Capteur de fumée par diffusion de lumière

Publication
EP 1376504 B1 20060222 (DE)

Application
EP 02013656 A 20020620

Priority
EP 02013656 A 20020620

Abstract (en)
[origin: EP1376504A1] The device has an optical measurement chamber with a sensor arrangement with a light source(s) and a receiver(s) in their own elongated housings with small window openings and a labyrinth system. The light source(s) and receiver(s) are arranged in the rear parts of their housings so that there is a relatively large distance between the window openings and the optical surfaces of the light source(s) and receiver(s) through which light passes. The device has an optical measurement chamber with a sensor arrangement (2) with at least one light source (12') and receiver (11) in their own housings (13,14) and a labyrinth system (7). The elongated housings have small window openings. The at least one light source and receiver are arranged in the rear parts of their housings so that there is a relatively large distance between the window openings and the optical surfaces of the at least one source and receiver through which light passes.

IPC 8 full level
G01N 21/53 (2006.01); **G08B 17/107** (2006.01)

CPC (source: EP KR US)
G08B 17/107 (2013.01 - EP KR US); **G08B 17/113** (2013.01 - EP US)

Cited by
EP2605226A1; DE102014019773A1; US8911252B2; DE102015004458A1; DE102014019172A1; US11430313B2; WO2019228635A1

Designated contracting state (EPC)
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EP 1376504 A1 20040102; EP 1376504 B1 20060222; AT E318434 T1 20060315; AU 2003233744 A1 20040106; AU 2003233744 B2 20061102; CA 2490019 A1 20031231; CN 1662942 A 20050831; CN 1662942 B 20100512; DE 50205854 D1 20060427; DK 1376504 T3 20060626; ES 2259353 T3 20061001; HU P0501097 A2 20060328; JP 2005530256 A 20051006; KR 100998373 B1 20101203; KR 20050013226 A 20050203; NO 20050323 D0 20050120; NO 20050323 L 20050120; NO 331437 B1 20120102; PL 373350 A1 20050822; PT 1376504 E 20060731; US 2006017580 A1 20060126; US 2008266558 A1 20081030; US 7365846 B2 20080429; WO 2004001693 A1 20031231

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