

Title (en)
Scattered light smoke detector

Title (de)
Streulicht-Rauchmelder

Title (fr)
Capteur de fumée à lumière dispersée

Publication
EP 1630758 B1 20080102 (DE)

Application
EP 04023740 A 20041006

Priority
• EP 04020577 A 20040831
• EP 04023740 A 20041006

Abstract (en)
[origin: EP1630758A2] A scattered light smoke detector gives a measurement (S) depending on a linear combination of the difference in forward (SF) and backward (SB) scattered signals or the derived smoke signals (BW, FW) and their sums using installation dependent coefficients. Independent claims are included for smoke detectors with two separate processing channels for fire type determination (21, 23) and warning threshold (22, 25-30) combination.

IPC 8 full level
G08B 17/107 (2006.01); **G08B 29/20** (2006.01); **G08B 29/24** (2006.01)

CPC (source: EP KR US)
G08B 17/103 (2013.01 - KR); **G08B 17/107** (2013.01 - EP KR US); **G08B 29/20** (2013.01 - KR); **G08B 29/24** (2013.01 - EP KR US); **G08B 17/113** (2013.01 - EP US)

Cited by
CN109601019A; EP1884904A1; DE102010015467A1; DE102010015467B4; US7777634B2; DE102012020127A1; WO2014059959A1; TWI456531B

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1630758 A2 20060301; **EP 1630758 A3 20060308**; **EP 1630758 B1 20080102**; AU 2005291248 A1 20060413; BR PI0516553 A 20080909; CA 2583731 A1 20060413; CN 101036173 A 20070912; KR 20070058647 A 20070608; MX 2007004102 A 20070615; RU 2007116951 A 20081120; US 2009009347 A1 20090108; US 7777634 B2 20100817; WO 2006037804 A1 20060413

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