

Title (en)

Smoke detector with aspiration unit and flow sensor

Title (de)

Rauchmelder mit Absaugeinheit und Durchflussmesser

Title (fr)

Détecteur de fumée avec unité d'aspiration et capteur de débit

Publication

EP 1006500 A2 20000607 (EN)

Application

EP 99309678 A 19991202

Priority

US 20544098 A 19981204

Abstract (en)

A detector includes a smoke sensor and an aspiration unit. The aspiration unit causes ambient air from a region directly adjacent to the detector to flow into a sensing region of the sensor. A flow monitoring sensor provides feedback to a control circuit to vary pulse modulated drive signals coupled to the aspiration unit. A plurality of variable resistance temperature sensors can be used for flow monitoring. Communication with the detector can be carried out via interface circuits. <IMAGE>

IPC 1-7

G08B 17/10

IPC 8 full level

G08B 17/10 (2006.01); **G08B 17/103** (2006.01)

CPC (source: EP)

G08B 17/10 (2013.01); **G08B 29/145** (2013.01); **G08B 17/113** (2013.01)

Cited by

US9746363B2; WO2004102499A1; FR3000268A1; EP2469492A1; EP1524404A3; EP2270762A3; GB2513854A; EP3534346A1; EP2857928A1; CN105148643A; EP4092645A1; EP2624229A1; EP2595132A3; DE10125687B4; EP2278567A3; US2015128722A1; DE102008024085A1; GB2401468A; GB2401468B; DE102008024085B4; CN113160514A; EP2407946A1; AU2011278441B2; EP3843057A1; US2013031957A1; US9286779B2; US9576458B2; US8141422B2; WO03069571A1; WO02067217A1; WO02095705A1; WO2012007434A1; WO2011098773A1; US11704987B2; US8015873B2; US8266974B2; US9134716B2; US11244551B2; US10508966B2; US11783688B2; US11609144B2; US6897774B2; US10704979B2; US10942080B2; US11209333B2; US10739323B2; US11047841B2; US6985081B2; US8224621B2; US8892399B2; EP4246483A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1006500 A2 20000607; **EP 1006500 A3 20010411**; AU 6314499 A 20000608; CA 2291203 A1 20000604; CN 1256411 A 20000614; JP 2000172964 A 20000623

DOCDB simple family (application)

EP 99309678 A 19991202; AU 6314499 A 19991202; CA 2291203 A 19991129; CN 99125572 A 19991203; JP 34207899 A 19991201