

Title (en)

FIRE ALARM AND ELECTRODE DEVICE THEREFOR

Publication

EP 0127645 B1 19881117 (DE)

Application

EP 83903778 A 19831202

Priority

CH 702882 A 19821203

Abstract (en)

[origin: WO8402215A1] Fire alarm with a measure chamber (9, 9') limited by two electrodes (1, 2), an electric field being generated between the electrodes by a direct voltage source. The measure electrode (1) has no direct connection with the direct voltage source (4) at the input of a current measuring unit (3). As soon as smoke laden particles enter the measure chamber (9) between the electrodes, the electric field causes a displacement of positive and negative particles. Due to said charge displacement (charge drift), a current is induced in the measure electrode, current which is measured.

IPC 1-7

G08B 17/10

IPC 8 full level

G01N 27/64 (2006.01); **G08B 17/10** (2006.01); **G08B 17/113** (2006.01)

CPC (source: EP US)

G08B 17/10 (2013.01 - EP US); **G08B 17/113** (2013.01 - EP US)

Cited by

DE102014019773A1; DE102014019172A1

Designated contracting state (EPC)

AT BE CH DE FR GB LI NL SE

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WO 8402215 A1 19840607; AU 2983784 A 19860102; AU 572517 B2 19880512; CH 666135 A5 19880630; DE 3378505 D1 19881222; EP 0127645 A1 19841212; EP 0127645 B1 19881117; JP S60500073 A 19850117; JP S6356596 B2 19881108; US 4652866 A 19870324

DOCDB simple family (application)

CH 8300137 W 19831202; AU 2983784 A 19840625; CH 702882 A 19821203; DE 3378505 T 19831202; EP 83903778 A 19831202; JP 50380383 A 19831202; US 64194684 A 19840829