

Title (en)

METHOD FOR THE OPERATION OF AN IONIZATION SMOKE DETECTOR, AND IONIZATION SMOKE DETECTOR

Publication

EP 0384209 A3 19910508 (DE)

Application

EP 90102292 A 19900206

Priority

DE 3904979 A 19890218

Abstract (en)

[origin: EP0384209A2] This detector exhibits a measuring chamber which can be ionised by a radioactive source, is accessible to the environmental air and has a first electrode connected to a d.c. feed voltage and a measuring electrode, the potential of which changes as a function of the density of the smoke when smoke enters the measuring chamber, and is measured for the purpose of generating a smoke alarm signal when it reaches a predetermined value, the potential of the measuring electrode being measured for at least one further electrical field strength and being compared with at least one second potential value which occurs at the second field strength in accordance with the law of small ion deposition when there are smoke aerosols in the measuring chamber. <IMAGE>

IPC 1-7

G08B 17/11

IPC 8 full level

G01N 27/64 (2006.01); **G08B 17/11** (2006.01); **G08B 29/04** (2006.01)

CPC (source: EP)

G08B 17/11 (2013.01); **G08B 25/002** (2013.01); **G08B 29/043** (2013.01); **G08B 17/113** (2013.01)

Citation (search report)

- [A] FR 2362454 A1 19780317 - BEYERSDORF HARTWIG [DE]
- [A] CH 572644 A5 19760213 - CERBERUS AG
- [AD] DE 2019791 A1 19701105 - NITTAN CO LTD
- [A] FR 2274982 A1 19760109 - CERBERUS AG [CH]

Cited by

US5212470A; EP0489232A1; US5243330A; WO2015114170A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0384209 A2 19900829; **EP 0384209 A3 19910508**; **EP 0384209 B1 19931215**; AT E98798 T1 19940115; CA 2010105 A1 19900818; CA 2010105 C 19961112; DE 3904979 A1 19900823; DE 3904979 C2 19920109; DE 59003821 D1 19940127; DK 0384209 T3 19940214; ES 2048332 T3 19940316; JP H02251748 A 19901009

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