

Title (en)

Method for the operation of an ionization smoke detector, and ionization smoke detector.

Title (de)

Verfahren zum Betrieb eines Ionisationsrauchmelders und Ionisationsrauchmelder.

Title (fr)

Procédé pour l'opération d'un détecteur de fumée à ionisation et détecteur de fumée à ionisation.

Publication

EP 0384209 B1 19931215 (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>

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G08B 17/11

IPC 8 full level

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CPC (source: EP)

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

Cited by

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