

Title (en)
IONIZATION TYPE OF SMOKE SENSOR

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Application
EP 83901734 A 19830607

Priority
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Abstract (en)
[origin: WO8304449A1] This relates to an ionization type of smoke sensor for a fire alarm, and in particular to an ionization type of smoke sensor in which an internal ion chamber (a) consists of an inner electrode (6) and an intermediate electrode (8), and an outer ion chamber (b) consists of the intermediate electrode (8) and an outer electrode (11), these chambers (a, b) ionizing the air within them by a radiation source (3). In the ionization smoke sensor of this type according to this invention, the radiation source is difficult to contaminate. When smoke is actually applied during an operating test, in order that the smoke can diffuse immediately after the test and the operation can recover readily, the source (3) is surrounded by the inner electrode (6), a substrate (1), and a ring wall (2), the intermediate electrode (8) is supported by a plurality of posts (9) extending from the substrate (1), and holes (7, 10) are formed in the electrodes (6) and (8) so that the radiation from the source (3) can be emitted through the holes (7, 10) to the chambers (a, b).

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