

Title (en)
SELF-ASPIRATING FIRE DETECTION SYSTEM

Title (de)
SELBSTANSAUGENDE BRANDMELDEEINRICHTUNG

Title (fr)
SYSTEME DE DETECTION D'INCENDIE A AUTO-ASPIRATION

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Application
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Abstract (en)
[origin: WO02095705A1] The invention relates to a self-aspirating fire detection system and to a method for operating the same, by means of an aspirating device (1, 3, 10) for controllable aspiration of ambient air from a supervised area. Said fire detection system includes a high-sensitive optical scattered light measuring system (2, 16), with a high-energy light source (4) and one or several receiver elements (6, 8), for detecting an optical radiation, scattered on smoke particles, located in the measuring area, in one or several angles of dispersion. The receiver elements (6, 8) of the scattered light measuring system (2, 16) are connected to a microcontroller system (13) and/or a central fire alarm system (15) for data analysis and storage. According to the invention, one or several gas detectors (9) and/or a gas detector array (9) are also arranged in the fire detection system, said detectors detecting at least one fire gas type, and connected to the central or local microcontroller system (13) and/or to the central fire alarm system (15) for signal evaluation.

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Cited by
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