

Title (en)
SIGNALING FIRE DETECTOR

Title (de)
BRANDMELDER

Title (fr)
AVERTISSEUR D'INCENDIE

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Application
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Abstract (en)
[origin: DE19845553A1] The invention relates to a signaling fire detector comprising a sensor (10), said sensor having at least one conventional fire detecting sensor (12, 13), and comprising a control and analyzing unit (9). Said unit is connected to the sensor (10), is configured for analyzing the signal (S2, S3) supplied by the at least one fire detecting sensor, and is optionally configured for outputting at least one control signal (T1; T2) for the fire detecting sensor(s) (12, 13). The inventive signaling fire detector is characterized in that the sensor (10) additionally comprises a chemosensor (11) or a chemosensor array which is likewise connected to the control and analyzing unit (9) for analyzing a detection signal (S1), and which is configured based on a chemical sensor operating principle for detecting gas and/or smoke emissions produced by fire. The additional chemosensor is preferably an optoelectronic gas sensor which operates on the basis of an optode or is preferably an optoelectronic gas sensor array which also operates on the basis of an optode.

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