

Title (en)
A FIRE DETECTING SYSTEM AND METHOD FOR EARLY DETECTION OF FIRE

Title (de)
FEUERMELDESYSTEM UND VERFAHREN ZUR FRÜHMELDUNG VON FEUER

Title (fr)
SYSTÈME DE DÉTECTION D'INCENDIE ET PROCÉDÉ POUR LA DÉTECTION PRÉCOCE DES INCENDIES

Publication
EP 2235703 A1 20101006 (EN)

Application
EP 08863840 A 20081215

Priority
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• DK PA200701861 A 20071221

Abstract (en)
[origin: WO2009080581A1] A fire detecting system (16) and method serves for early detection of fire. The system is of the kind comprising a first radiation sensitive semi-conductor (22a, 35a) for measuring a first radiation intensity at a first wavelength and emitted from an area susceptible of fire and creating a first output signal representing the first radiation intensity and at least one second radiation sensitive semi-conductor (22b, 22c, 35b, 35c) for measuring at least one second radiation intensity at at least one second wavelength and emitted from the area susceptible of fire and creating a second output signal representing the second radiation intensity. The fire detecting system (16) comprises, that the first radiation sensitive semi-conductor (22a, 35a) and the at least one second radiation sensitive semi-conductor (22b, 22c, 35b, 35c) are arranged in a predefined pattern, that the fire detecting system (16) has means for converting the first output signal into a first temperature indicating signal and the at least second output signal to at least one second temperature indicating signal, processor means for comparing the first temperature indicating signal with the at least second temperature indicating signal, serving as a control for the first temperature indication signal, a database (21) including ignitibility data of materials on a susceptible fire target, and compare means for comparing the temperature indication signals with the database.

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Citation (search report)
See references of WO 2009080581A1

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