

Title (en)
DANGER DETECTION DEVICE WITH DETECTOR

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Application
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Priority
CH 1113779 A 19791217

Abstract (en)
[origin: WO8100636A1] In a detection arrangement comprising a central processing unit (E) and signalling devices (M) remotely located, the energy transmission from a radiation source (Q) and the signal return takes place exclusively optically by means of radiation conductor elements, so called optical conductors (L1, L2), through which the signalling devices are connected to the processing unit (E). The signalling devices (M) contain a detector (F), preferably with a high ohmic capacity, e.g. a smoke sensitive ionisation chamber (8) fed by a solar sensor (7) exposed to a radiation via an optical conductor and of which the output signal is sent back to the processing unit (E) by an electric transformer with a high ohmic capacity (T) and by an optical conductor (L2). This type of detection arrangement is preferably used for indicating the presence of a fire, smoke, a rise of temperature, or for the protection against house breaking, and it is particularly suitable for an area where there is a danger of explosion or electrical break-down.

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