

Title (en)

SMOKE SENSOR ARRANGEMENT OPERATING BY THE EXTINGUISH PRINCIPLE, AND FIRE ASSEMBLY HAVING SUCH A SMOKE SENSOR ARRANGEMENT

Publication

EP 0133990 B1 19871104 (DE)

Application

EP 84109118 A 19840801

Priority

DE 3328043 A 19830803

Abstract (en)

[origin: EP0133990A1] 1. A smoke alarm arrangement operating in accordance with the extinguish principle, comprising a plurality of light transmitters (S) and at least one light receiver (E) arranged in a common plane (GE), where the transmitting and receiving lobes (SK, EK) have a specified radiation angle (ϕ) and the optical axes (OA) of the respective radiation lobes (SK, EK) extend virtually parallel to the common plane (GE), where the common plane is parallel to the room ceiling and the radiation angles (ϕ_H) of each of the light receivers (E) in the common plane (GE) are substantially greater than the radiation angles (ϕ) at right angles to the common plane (GE), characterised in that the radiation angles (ϕ_H) of the light transmitters in the common plane (GE) are substantially greater than the radiation angles (ϕ_V) at right angles to the common plane (GE), and that the light transmitters and receivers (S, E) are provided with a simple optical unit (4) but no adjusting device for the radiation characteristic.

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