

Title (en)

FIRE EXTINGUISHING INSTALLATION AND GUIDING SYSTEM FOR TUNNELS AND SIMILAR STRUCTURES

Title (de)

FEUERLÖSCHANLAGE UND LEITSYSTEM FÜR TUNNEL UND ÄHNLICHE BAUWERKE

Title (fr)

INSTALLATION D'EXTINCTION D'INCENDIE ET SYSTEME DE CONDUITE POUR TUNNELS ET OUVRAGES SIMILAIRES

Publication

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Application

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- DE 10300370 A 20030106

Abstract (en)

[origin: WO2004018050A1] The aim of the invention is to provide a technical solution for a fire extinguishing installation for tunnels with which a source of fire can be fought in a targeted, effective and sustained manner and which simultaneously guides traffic. To this end, the invention provides a fire extinguishing installation consisting of: a) a rail (3) that is arranged above the traffic route; b) at least two extinguishing units (4), which are guided on the rail (3) and via which the drive system (5) is connected thereto, whereby each of the extinguishing units (4) is comprised of: i) a reservoir (7) for propellant; ii) a reservoir (6) for extinguishing agent that is connected to at least one positionable nozzle (10) via a system of conduits; iii) at least one sensor (11), and the extinguishing units are comprised of; iv) couplings (13) placed at both ends, and the extinguishing installation also consists of; c) smoke and heat-buildup sensors (14) that are placed at a certain distance from one another inside the tunnel.

IPC 8 full level

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Citation (examination)

- US 3169581 A 19650216 - CUMMINS PHIL F
- FR 2793149 A1 20001110 - KADONIS ARISTIDE [FR]
- PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11 30 September 1998 (1998-09-30)

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CN108175981A; EP2826953A3

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