

Title (en)

Fire protection device for tunnels

Title (de)

Brandschutzvorrichtung für Tunneln

Title (fr)

Dispositif de protection contre l'incendie pour un tunnel

Publication

EP 1092837 A3 20010425 (DE)

Application

EP 00121840 A 20001006

Priority

- DE 19948885 A 19991011
- DE 10010185 A 20000302

Abstract (en)

[origin: EP1092837A2] A fire protection device (1) for pedestrian and/or vehicular tunnels (5) comprises a high temperature resistant liner (6) with high thermal conductivity, which is positioned spaced apart from the tunnel wall surface. Preferably the high temperature resistant material is ceramic e.g. silicon carbide, boron nitride, boron carbide, or tungsten carbide, reinforced with e.g. carbon, glass or polyhalocarbon fibres, and particularly supported by a metallic carrier layer. Alternatively the resistant material may be e.g. 500 micron enamel on 1.5-2 mm thickness steel plate.

IPC 1-7

E21D 11/38; **E21F 1/00**

IPC 8 full level

A62C 3/02 (2006.01); **E21D 11/38** (2006.01); **E21F 1/00** (2006.01); **E21F 5/00** (2006.01)

CPC (source: EP)

A62C 3/0221 (2013.01); **A62C 3/0257** (2013.01); **E21D 11/38** (2013.01); **E21F 5/00** (2013.01)

Citation (search report)

- [DA] DE 29601777 U1 19960814 - KRAUSE RUDOLF DR ING [DE], et al
- [DA] DE 3731124 A1 19890216 - BUCHTAL GMBH [DE]
- [A] US 5470178 A 19951128 - WEHOLT RAYMOND L [US]
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- [A] US 4898088 A 19900206 - LESSER NORMAN [US], et al

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