

Title (en)

Device using water mist to protect a tunnel shelter against the effects of a fire

Title (de)

Vorrichtung mit Wassernebel zum Brandschutz einer Tunnelschutzhütte

Title (fr)

Dispositif mettant en oeuvre du brouillard d'eau en protection pour refuges et abris de tunnels contre les effets d'un incendie et des émanations toxiques

Publication

EP 1221330 A1 20020710 (FR)

Application

EP 01430003 A 20010109

Priority

EP 01430003 A 20010109

Abstract (en)

System includes main pipelines extending along length of tunnel, secondary pipelines (3), derived from main pipelines (2), automatic (7), pyrotechnic (13) or manual (6) valves. Water nozzles (4) are placed along secondary pipelines, and spread water over fire doors (19) and wall (23) separating refuge island (18) from tunnel. Different water nozzles (24, 25) are used to permanently fill in safety lock (17), and to spray water mist inside refuge islands where people are gathered.

Abstract (fr)

Dispositif efficace et économique mettant en oeuvre du brouillard d'eau destiné à la protection des refuges et abris, notamment de tunnels, routiers, ferroviaires et maritimes contre les effets d'un incendie et des émanations toxiques. <IMAGE>

IPC 1-7

A62C 3/02; **A62C 39/00**

IPC 8 full level

A62C 3/02 (2006.01); **A62C 99/00** (2010.01)

CPC (source: EP)

A62C 3/0221 (2013.01); **A62C 3/0292** (2013.01); **A62C 99/0072** (2013.01)

Citation (applicant)

FR 2654633 A1 19910524 - KAIDONIS ARISTIDE [FR], et al

Citation (search report)

- [X] FR 2770781 A1 19990514 - NORMANDIE PROTECTION INTERNATI [FR]
- [A] WO 9744095 A1 19971127 - GINGE KERR DANMARK A S [DK], et al
- [A] US 5687796 A 19971118 - SUNDHOLM GOERAN [FI]

Cited by

CN110926233A; CN108525181A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)

AL LT LV MK RO SI

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