

Title (en)

Method and apparatus using a water mist for fighting fire and/or toxicants in tunnels

Title (de)

Verfahren und Vorrichtung mit Wassernebel zum Feuerlöschen und/oder zum Einsatz gegen Gifte in Verkehrstunnels

Title (fr)

Procédé et dispositif utilisant du brouillard d'eau pour la lutte anti-incendie et/ou contres les toxiques dans un tunnel

Publication

EP 1221328 B1 20070711 (FR)

Application

EP 01430001 A 20010109

Priority

EP 01430001 A 20010109

Abstract (en)

[origin: EP1221328A1] System includes main pipelines extending along length of tunnel, secondary pipelines, derived from main pipelines, electrovalves, manual valves, and water nozzles placed along secondary pipelines, at around 2 meters from ground. When alarm is triggered, nozzles produce water mist that traps smoke in upper half of tunnel, allowing people to move freely under water screen. System is triggered by manual fire alarms in tunnel, or by remote operator using thermocouple, smoke and IR sensors.

IPC 8 full level

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

CPC (source: EP)

A62C 3/0221 (2013.01); **A62C 3/0264** (2013.01); **A62C 3/0292** (2013.01); **A62C 99/0072** (2013.01)

Citation (examination)

- EP 1166822 A1 20020102 - SILVANI ANTINCENDI SPA [IT]
- WO 0126739 A1 20010419 - SUNDHOLM GOERAN [FI]
- EP 1072289 A2 20010131 - BURKARD JOSEF [CH]

Cited by

CN106581917A

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

DOCDB simple family (publication)

EP 1221328 A1 20020710; **EP 1221328 B1 20070711**; AT E366604 T1 20070815; DE 60129290 D1 20070823; DE 60129290 T2 20080214; ES 2290104 T3 20080216

DOCDB simple family (application)

EP 01430001 A 20010109; AT 01430001 T 20010109; DE 60129290 T 20010109; ES 01430001 T 20010109