

Title (en)  
SYSTEM FOR EXTINGUISHING FIRE OF TRAIN

Title (de)  
LÖSCHSYSTEM BEI ZUGBRÄNDEN

Title (fr)  
SYSTEME D'EXTINCTION D'INCENDIE DANS UN TRAIN

Publication  
**EP 1793897 A4 20100407 (EN)**

Application  
**EP 05780595 A 20050818**

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Abstract (en)  
[origin: WO2006022489A1] A disclosed system for automatically extinguishing a train fire in accordance with the present invention includes fire detection units provided in train cars of a train and configured to detect the occurrence of a fire; a control unit for receiving a signal from the fire detection unit and determining whether a fire is occurring; nozzle units provided in the train cars and configured to spray a fire extinguishing agent when the control unit determines that a fire is occurring; and fire extinguishing agent discharging units comprising housings that communicate with the nozzle units and are filled with the fire extinguishing agent at a predetermined pressure, valves for selectively opening and closing the housings and the nozzle units, and actuators for operating the valves under the control of the control unit. With the above-described system, a fire can be automatically and rapidly extinguished in the case where the fire is occurring in a train car, and which train car is on fire is immediately determined, so that countermeasures can be rapidly taken. Furthermore, fire extinguishing work can be performed only in a corresponding train car in which a fire is occurring, so that a fire can be effectively dealt with.

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Citation (search report)  
• [XJ] FR 2793150 A1 20001110 - KAIDONIS ARISTIDE [FR]  
• [XAI] WO 0151130 A1 20010719 - CHANNEL TUNNEL GROUP LTD [GB], et al  
• [XJ] EP 1419804 A1 20040519 - METRO MADRID SA [ES]  
• See references of WO 2006022489A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**KR 2005002711 W 20050818**; CN 200580028442 A 20050818; EP 05780595 A 20050818; KR 20050072191 A 20050808; RU 2007110807 A 20050818