

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 A1 20070613 (EN)

Application
EP 05780595 A 20050818

Priority
• KR 2005002711 W 20050818
• KR 20040066661 A 20040824

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.

IPC 8 full level
A62C 3/07 (2006.01); **A62C 37/36** (2006.01)

CPC (source: EP KR)
A62C 3/07 (2013.01 - EP KR); **A62C 37/36** (2013.01 - EP)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006022489 A1 20060302; CN 101022854 A 20070822; EP 1793897 A1 20070613; EP 1793897 A4 20100407; KR 100637846 B1 20061023; KR 20060050300 A 20060519; RU 2007110807 A 20081010; RU 2357776 C2 20090610

DOCDB simple family (application)
KR 2005002711 W 20050818; CN 200580028442 A 20050818; EP 05780595 A 20050818; KR 20050072191 A 20050808; RU 2007110807 A 20050818