

Title (en)  
Inert gas fire-fighting apparatus and relative method for extinguishing fires

Title (de)  
Inertgasfeuerlöschsystem und Feuerlöschverfahren

Title (fr)  
Dispositif de lutte contre l'incendie par gaz inerte et méthode de lutte contre l'incendie

Publication  
**EP 1475128 A1 20041110 (EN)**

Application  
**EP 04001631 A 20040127**

Priority  
IT MI20030925 A 20030508

Abstract (en)  
An inert gas fire-fighting apparatus (100) comprises a plurality of cylinders (10) containing an inert gas, connected to a plurality of delivery nozzles (14) disposed inside a room (1), a fire detecting/extinguishing station (7) able to receive a control signal indicating a fire alarm and accordingly to send a control signal to first actuator means (22) able to actuate the discharge of extinguishing gas, oxygen sensor means (4) able to detect the percentage volume of oxygen in the room (1) and an oxygen detection station (3) able to acquire data indicating the percentage volume of oxygen detected by the oxygen sensor means (4) and accordingly to send control signals to second actuator means (5) able to close/open the flow of extinguishing gas towards the delivery nozzles (14). <IMAGE>

IPC 1-7  
**A62C 39/00**; **A62C 3/02**

IPC 8 full level  
**A62C 3/02** (2006.01); **A62C 99/00** (2010.01)

CPC (source: EP)  
**A62C 3/0271** (2013.01); **A62C 99/0018** (2013.01)

Citation (applicant)  
• US 2002040940 A1 20020411 - WAGNER ERNST WERNER [DE], et al  
• EP 1312392 A1 20030521 - WAGNER ALARM SICHERUNG [DE]

Citation (search report)  
• [X] US 2002040940 A1 20020411 - WAGNER ERNST WERNER [DE], et al  
• [PX] EP 1312392 A1 20030521 - WAGNER ALARM SICHERUNG [DE]  
• [A] US 6257341 B1 20010710 - BENNETT JOSEPH MICHAEL [US]  
• [A] US 2002139542 A1 20021003 - LESSI STEPHANE [FR], et al

Cited by  
EP1930048A1; JP2022025535A; CN114191750A; EP1683548A1; CN101102820A; CN110087742A; CN110227221A; GB2480862A; CN102270371A; GB2480862B; US8517116B2; US7717776B2; WO2006076936A1; WO2008068076A1; WO2018130642A1; US11376458B2; US11738224B2

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

Designated extension state (EPC)  
AL LT LV MK

DOCDB simple family (publication)  
**EP 1475128 A1 20041110**; **EP 1475128 B1 20120321**; AT E550079 T1 20120415; ES 2381041 T3 20120522; IT MI20030925 A1 20041109

DOCDB simple family (application)  
**EP 04001631 A 20040127**; AT 04001631 T 20040127; ES 04001631 T 20040127; IT MI20030925 A 20030508