Title (en)

INERTING METHOD FOR PREVENTING AND EXTINGUISHING FIRES IN ENCLOSED SPACES

Title (de)

INERTISIERUNGSVERFAHREN ZUR BRANDVERHÜTUNG UND -LÖSCHUNG IN GESCHLOSSENEN RÄUMEN

Title (fr)

PROCEDE D'INERTISATION POUR LA PREVENTION ET L'EXTINCTION DES INCENDIES DANS DES LOCAUX FERMES

Publication

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Application

EP 99907555 A 19990217

Priority

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- EP 9901021 W 19990217

Abstract (en)

[origin: WO9947210A1] The invention relates to an inerting method for reducing the risk of and for extinguishing fires in enclosed spaces, and to a device for carrying out this method. The aim of the invention is ensure that a fire can be extinguished effectively whilst keeping the storage requirements for the inert gas cylinders to a minimum. To this end, the oxygen content of the enclosed space is reduced to a set base inerting level and in the event of a fire, is quickly reduced further to a set complete inerting level. The device for carrying out this method is equipped with an oxygen-measuring device in the space being monitored, with a first system for producing the oxygen-expulsion gas or for extracting the oxygen from the space being monitored, a second system for rapidly feeding an oxygen-expulsion gas into the space being monitored and a fire detection device for detecting a fire characteristic in the air in the enclosed space. A control unit is also provided. This control unit sends a base inerting signal to the first system in accordance with the oxygen content of the air in the enclosed space being monitored and a complete inerting signal to the second system in accordance with a detection signal from the fire detection device.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

A62C 99/0018 (2013.01)

Citation (third parties)

Third party :

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- WO 9703631 A1 19970206 - HYPOXICO INC [US]
- US 4807706 A 19890228 - LAMBERTSEN CHRISTIAN J [US], et al
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DOCDB simple family (publication)

WO 9947210 A1 19990923; AT E248626 T1 20030915; AU 2725899 A 19991011; AU 747436 B2 20020516; CA 2301628 A1 19990923; CA 2301628 C 20060815; CZ 2000127 A3 20000614; CZ 297177 B6 20060913; DE 19811851 A1 19990923; DE 19811851 C2 20010104; DE 59906865 D1 20031009; DK 1062005 T3 20040105; DK 1062005 T4 20070806; EP 1062005 A1 20001227; EP 1062005 B1 20030903; EP 1062005 B2 20070328; EP 1062005 B3 20130724; ES 2193902 T1 20031116; ES 2193902 T3 20110401; ES 2193902 T5 20120228; ES 2193902 T7 20131223; NO 20000791 D0 20000217; NO 20000791 L 20000217; NO 329215 B1 20100913; PL 188349 B1 20050131; PL 338246 A1 20001009; RU 2212262 C2 20030920; UA 67746 C2 20040715

DOCDB simple family (application)

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