

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

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Priority

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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.

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Citation (examination)

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- WO 9703631 A1 19970206 - HYPOXICO INC [US]
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